

# ACTIVITY REPORT

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2026/03

We care about your dreams...

## About Us

MİA Teknoloji was established in Ankara in 2006 and is an information technologies company with offices in the U.S.A. and Morocco. MİA Teknoloji is listed on Borsa Istanbul in the BIST50 index under the ticker symbol MIATK. With more than 80 employees, MİA provides innovative and cutting-edge solutions tailored to customer needs across various sectors, including Health Information Technologies, Software Solutions, Energy, Electromobility, Immersive Technologies, and Security. In addition, MİA Teknoloji holds both NATO and Facility Security Clearances and carries out various projects within this scope.



Our company is also the founder of the electric mobility platform Tripy and the renewable energy solutions provider Enerjey brands. The company continues to grow by actively maintaining its operations in various locations around the world.

### Vision

To become one of the leading companies in the Turkish and international information technology sector by ensuring the satisfaction of our customers and employees. To develop high value-added and innovative solutions through the Industry-Academia Collaboration model and compete with international market players.

### Mission

To provide solutions tailored to diverse demands and needs through our domestic and national solutions, broad product portfolio, and unique products. To set an example in customer satisfaction by delivering high-performance and high-quality services. In line with the new and inevitable realities brought by the information age, to develop information technology projects according to the needs of businesses with the identity of a solution partner. To carry out our Facility Management and Consultancy services in compliance with national and international legal regulations and standards.

## Values

The cornerstone of MİA Teknoloji is its ability to deliver high-quality products, provide superior services, and ensure rapid support. The company aims to offer excellence to its customers at every stage and continuously develops innovative solutions in line with this vision.

## Awards & Achivements

|                                                                                   |                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------|
|  | 2024 Bilişim500 Awards                               |
|                                                                                   | 2023 Bilişim500 Awards                               |
|                                                                                   | 2022 Bilişim500 Awards                               |
|                                                                                   | 2021 Bilişim500 Awards                               |
|                                                                                   | 2020 Bilişim500 Awards                               |
|  | Deloitte Technology Fast 50 2021 Turkey Winner       |
|  | Ankara Chamber of Commerce Export Contribution Award |

## CERTIFICATES



Facility Security Certificate  
(National / NATO)



Military Factories  
Approved Supplier



ISO IEC 15504 /  
SPICE Lvl 2



ISO 9001:2015



ISO 14001:2015



ISO 20000-1:2018



ISO 45001:2018



ISO 22301:2012



ISO 27001:2017



ISO 10002:2018

## Management Board



**Ali Gökhan BELTEKİN**  
Chairman



**İhsan ÜNAL**  
Vice Chairman



**Ali YAZICI**  
Independent Board  
Member



**Arzu ŞAHDALAMAN GÜL**  
Board Member



**Faik CECELİ**  
Independent Board  
Member

### **Gökhan BELTEKİN – Chairman of the Board (Founder and Partner)**

He was born in Elazığ on July 25, 1982. He completed his secondary and high school education in Elazığ and graduated from the Computer Engineering Department of Atılım University. After completing his university education, he started working as a Software Specialist at Yüce Bilgi Sistemleri in 2004. In 2006, together with his university colleagues, he founded his own company, MİA Teknoloji A.Ş.

Operating in the information technology sector for 15 years, MİA Teknoloji develops products for public spaces where transition security is critical, through unique innovation and R&D activities aimed at meeting customer needs with its growing experience.

Within the scope of Smart Campus initiatives, the company carries out effective R&D activities both in Türkiye and internationally by providing domestic and national solutions to institutions such as the General Directorate of Security, ÖSYM, Credit and Dormitories Institution, Istanbul Atatürk Airport, Ziraat Bankası, VakıfBank, Eti Maden, the Ministry of Interior, University Hospitals, the State Supply Office, Havelsan, the Gendarmerie, and the National Library. Through its broad product portfolio and unique products, MİA Teknoloji delivers solutions tailored to diverse demands and needs.

With the mission of developing information technology projects tailored to the needs of businesses as a solution partner in line with the new and inevitable realities of the information age, the company continued its operations uninterrupted during the COVID-19 pandemic. During this period, it developed the Pandemic Product Family including Cleanmask-Tech, MİA-YTA Thermal Camera and Mask Detection Systems, and MİA Hygiene Tunnel

products.

Alongside his business career, he also supports Industry-Academia Collaboration by serving on the Industrial Advisory Board of Atılım University. He is married and the father of two children.

#### **İhsan ÜNAL – Vice Chairman of the Board (Founder and Partner)**

He was born in Şanlıurfa on January 8, 1983. He completed his secondary and high school education in Şanlıurfa and graduated from the Computer Engineering Department of Atılım University. After completing his university education, he started working as a Software Specialist at the Social Security Institution in 2004. In 2006, together with his university colleagues, he founded his own company, MİA Teknoloji A.Ş.

Since its establishment, one of the primary examples of the company’s mission adopted by its executives — “to provide solutions tailored to diverse demands and needs through our domestic and national solutions, broad product portfolio, and unique products” — was the “Dormitory Management Software” project developed for the nationwide dormitories of the Credit and Dormitories Institution (KYK). He served as the Coordinator of the project, which included 20 regional directorates, 494 dormitory campuses, 2,720 clients, 4,800 optical readers, and 4 million transaction operations to ensure entry-exit tracking and entitlement usage in KYK dormitories.

Operating in the information technology sector for 15 years, MİA Teknoloji provides services to public institutions in areas such as Integrated Health Information Management Systems, Biometric Identification, Recognition and Control Systems, Smart and Secure Facility, Building and Campus Solutions, Public Security, Critical Area and Soft Target Protection, e-ID Projects, Payment and Card Solutions and Fintech, Data Analysis and Big Data Management, and Cybersecurity.

As part of MİA Teknoloji’s vision of becoming one of the leading companies in the Turkish and international IT sector by producing high value-added and innovative solutions through the Industry-Academia Collaboration model and competing with international market players, he manages all administrative processes involved in the production of nationally and internationally certified technologies. He oversees project tender processes, budget planning, and quality standards management to ensure the successful execution of projects.

Alongside his business career, he also supports Industry-Academia Collaboration by serving on the Industrial Advisory Board of Atılım University. He is married and the father of one child.

#### **Arzu ŞAHDALAMAN GÜL – Board Member**

Born in Karaman in 1983, Arzu Şahdalaman Gül graduated from the Department of Economics at the Faculty of Economics and Administrative Sciences. Holding the title of Certified Public Accountant, Gül has many years of experience in financial consultancy, financial management, and corporate reporting.

Throughout her career, she has worked in financial affairs and financial control departments of companies operating in various sectors. She has undertaken responsibilities in areas such as structuring accounting organizations, preparing budget and cash flow plans, managing tax and social security processes, preparing for independent audits, ensuring regulatory compliance, and establishing internal control mechanisms.

Since 2016, Gül has been serving as the Accounting Director at MİA Teknoloji, where she is responsible not only

for the company's financial operations but also for coordinating strategic financial planning, resource management, and reporting processes. She plays an active role in developing financial policies that support corporate sustainability.

#### **Ali YAZICI – Independent Board Member**

Born in Ankara on May 14, 1950, Ali Yazıcı graduated from the Department of Numerical Analysis and Applied Mathematics at Middle East Technical University (METU) in 1972 and completed his master's degree in Mathematics at METU in 1974. Continuing his academic studies in Canada, Yazıcı earned his Ph.D. in Computer Science from the University of Waterloo.

Ali Yazıcı has conducted research in fields such as big data analysis, database management, data structures and programming languages, web-based distance education, and scientific computing. He is an expert in SQL and ORACLE database systems, web design, and programming languages including C, HTML, Java, PHP, XML, and Python.

Between 1979 and 1983, he served as a faculty member at METU. Following academic appointments at Yarmouk University in Jordan and Sultan Qaboos University in Oman, he returned to METU in 1988 as an Associate Professor in the Department of Computer Engineering. Having earned the title of Professor in 1994, Yazıcı subsequently held academic positions at METU, Atılım University, and TOBB University.

Today, he continues to serve as a faculty member in the Department of Software Engineering at Atılım University. During his academic career spanning more than 45 years, Ali Yazıcı has participated in numerous projects and has received many awards, including the SUR Award presented by IBM and a first-place award for the "Lifelong Learning and Non-Formal Education" project from the Educational Research Association.

In 2021, Ali YAZICI assumed the role of Independent Board Member at MİA Teknoloji A.Ş.

#### **Faik CECELİ – Independent Board Member**

Born in Ankara in 1965, Faik Ceceli graduated from the Faculty of Political Sciences of Ankara University in 1986 and began his career in the same year as an Assistant Finance Inspector. Between 1989 and 1996, he served as a Finance Inspector; between 1996 and 1997, as Head of Department at the General Directorate of National Real Estate; between 1997 and 2000, as Chief Finance Inspector; and between 2000 and 2003, as Head of Department at the General Directorate of Revenues.

He subsequently served as General Director of National Real Estate between 2003 and 2004, and as General Director and Chairman of the Board of the State Supply Office between 2004 and 2007. Between 2008 and 2014, he served as a Member of the State Supervisory Council of the Presidency, and between 2014 and 2015, as Chairman of the State Supervisory Council. He retired from this position on May 4, 2015, and currently works as a Responsible Partner Auditor at BDM Independent Audit Inc.

Since January 2017, he has also served as a Member of the Independent Audit Commission of the Ankara Chamber of Certified Public Accountants. As of June 2024, he has assumed the position of Independent Board Member at MİA Teknoloji A.Ş.

## Clusters



The Intelligent Transportation Systems Association of Türkiye: Established on March 15, 2016, within the scope of the National Intelligent Transportation Systems Strategy Document (2014-2023) and its Action Plan (2014-2016), initiated by the Ministry of Transport and Infrastructure in 2016, the association was granted permission by the Ministry of Interior on November 8, 2018, to use the word “Türkiye” in its name. By bringing together all stakeholders in the field of Intelligent Transportation Systems under a single umbrella, the association contributes to the development of the sector by promoting the production of products and services in line with coordinated cooperation and common standards.



Technocity Defense Industry Cluster: TSSK was established with the goal of producing technology for international markets by meeting the national and critical needs of the Turkish Armed Forces through collaborations with domestic defense industry companies and universities. By bringing together large, medium, and small-scale companies, the cluster supports internationalization and intra-cluster cooperation, while aiming to ensure the efficient use of resources by transferring the sector’s accumulated knowledge and expertise to other industries.



Cyber Security Cluster: The Türkiye Cyber Security Cluster is a project launched in 2018 with the support of the Presidency of Defense Industries and the Digital Transformation Office. The activities of the cluster are carried out by SSTEK A.Ş., and it promotes collaboration by bringing together cybersecurity companies operating in Türkiye.

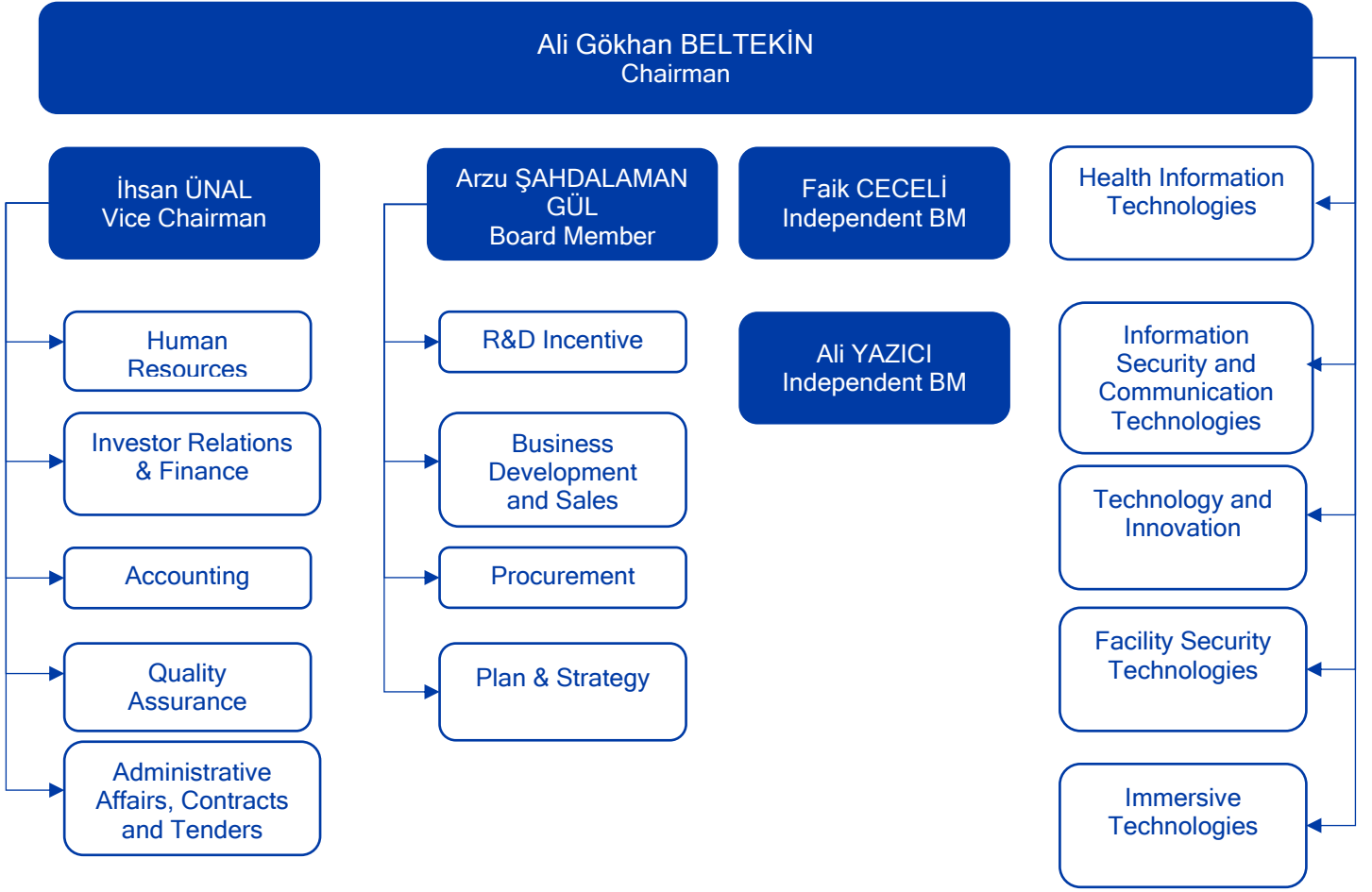
## Why MIA?

MIA Teknoloji stands out in the industry with its unique capabilities in delivering high-quality products, superior services, and rapid support. With its customer-oriented approach and continuously innovative solutions, the company aims to meet the needs of its clients in the most effective way possible. Moreover, MIA Teknoloji has carried out a wide range of projects across various sectors, enabling it to provide added value to its customers through extensive experience and expertise. Therefore, the reason why MIA Teknoloji is preferred in the industry lies in its ability to meet customer needs effectively and help optimize their operations through its quality products, flawless service approach, and strong support system.

# Main Sectors



# Organizational Chart



# References



R.T. Ministry of Interior



R.T. Ministry of National Defence



R.T. Ministry of Health



R.T. Ministry of Youth and Sports



R.T. Ministry of Justice



R.T. Ministry of National Education



R.T. Prime Ministry



National Library



NATO NCIA



National Palaces



Presidency of Defence Industry



Gendarmerie General Command



Aegean Army Command



2nd Main Jet Base Command



National Defence University



R.T. General Directorate of Security



Ankara Metropolitan Municipality



TEİAŞ



TEDAŞ



TAV Airports



BOTAŞ



Bileşim Financial Technologies and Payment Systems Inc.



Measurement, Selection and Placement Centre



Eti Mine Enterprises



State Supply Office



Anadolu University



TİKA



Gazi University Technopark



TOBB



TÜSEB



Ziraat Bank



DenizBank



Kalyon



Aselsan



AselsanNET



HAVELSAN



NEC



TÜSEB



TOBB Etü Student Dormitories



TOBB



SIEMENS



TANAP



ARD Bilişim



Papiyon Savunma



Azerbaijan Police Organisation



Ankara City Hospital



Akdeniz University Hospital



Bursa Uludağ University Hospital



Ondokuz Mayıs University Hospital



Zonguldak Bülent Ecevit University Hospital



Çanakkale Onsekiz Mart University Hospital



Kahramanmaraş Sütçü İmam University Hospital



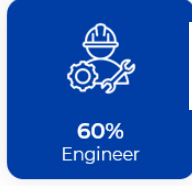
Balıkesir University Hospital



Aydın Adnan Menderes University Hospital

## Office & Branches

# MİA Teknoloji



80+  
Çalışanlar

**MATECH**  
CORPORATION  
New York, USA

**MEVE**  
Delaware, USA

**MIA**  
TEKNOLOJİ  
MIA Corp UK Ltd.  
London, United Kingdom

**MIA**  
TURTEK AFRIK  
Rabat, Morocco

**enerjey**  
Ankara, Türkiye

**tripy**  
Ankara, Türkiye

**ABRAKYDABRA**  
LİNK®  
BİLGİSAYAR

Foreign Subsidiaries, Branches and Representatives

Subsidiaries & Affiliates

# 1. Message from the Chairman of the Board

Dear Stakeholders,

As MİA Teknoloji A.Ş., we have entered 2026 as a period in which we have taken more concrete steps in the fields of defense, energy, artificial intelligence, health informatics, critical infrastructure solutions, and sustainable mobility, while further strengthening our high-technology-focused growth strategy.

In this context, the initiation of the merger process through the acquisition of Lider Sistem Teknolojileri A.Ş. by our company is considered a strategic step toward expanding MİA Teknoloji's corporate scale, increasing its operational capacity, and positioning the company with a stronger structure in national and international projects. Through this merger process, it is aimed to further strengthen our company's capabilities in technology, software, system integration, and project development.

In line with our growth targets in the fields of defense, security, and advanced technologies during 2026, participation was made at the establishment stage of Koral Labs Köktürk Otonom Robotik ve Araştırma Laboratuvarları A.Ş.; and autonomous systems, robotic technologies, advanced engineering solutions, and defense industry-oriented product development activities have been included among our strategic priorities.

In the field of energy technologies, within the scope of ongoing studies on Micro Modular Reactors (SMR), an application was submitted to the Republic of Türkiye Ministry of Industry and Technology's Pre-Competitive Collaboration Program with the 100 MW SMR Micro Nuclear Reactor Project. This step supports our company's long-term growth vision in the field of high-technology energy solutions.

For our subsidiary Tripy Mobility Teknoloji A.Ş., 2026 has also begun with a significant growth milestone. Tripy obtained a 10-year Shared Electric Bicycle Operating License from the Istanbul Metropolitan Municipality, enabling the company to establish a long-term operational presence in Istanbul. This project, to be implemented in a highly populated and strategically important metropolis such as Istanbul, is regarded as a major development supporting Tripy's operational capacity, scalable business model, and growth potential in the field of sustainable mobility.

In addition, our collaborations in Kyrgyzstan regarding the security of energy fields, AI-supported mining and oil field management, and advanced technology solutions were expanded in 2026. Furthermore, within the Zero-Energy IoT-focused international collaboration carried out with OKI, work related to new phases was completed and invoiced.

We completed 2025 as a period in which we implemented significant projects in line with our strategic objectives, strengthened our position in national and international markets, and reinforced our technology-oriented growth vision. The achievements obtained in the fields of digital health, defense and communication technologies, sustainable mobility, smart city applications, and software solutions have created a strong foundation for our strategic initiatives in 2026.

In the upcoming period, as MİA Teknoloji, we aim to increase our investments in defense and security technologies, energy technologies, artificial intelligence, health informatics, critical infrastructure solutions, and sustainable mobility; strengthen our effectiveness in international markets; and create sustainable value for our shareholders. We sincerely thank all our employees, business partners, and valued shareholders, who have always placed their trust in us, for their contributions throughout this journey of success.

**Ali Gökhan BELTEKİN**  
Chairman

## 2. GENERAL INFORMATION

### 2.1 Reporting Duration

This report covers the period between 01.01.2026 and 31.03.2026.

### 2.2 Partnership Information

| MİA TEKNOLOJİ A.Ş.                     |                                                                                                                               |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Established</b>                     | 2006-ANKARA                                                                                                                   |
| <b>Registered Capital Ceiling</b>      | 5.000.000.000 TL                                                                                                              |
| <b>Paid/Issued Capital</b>             | 494.000.000 TL                                                                                                                |
| <b>Tax Office and Number</b>           | Ankara Kurumlar V.D. / 621 061 1649                                                                                           |
| <b>Trade Registry Number</b>           | 225945                                                                                                                        |
| <b>Head Office Contact Information</b> | Gazi Ünv. Gölbaşı Yerleşkesi Bahçelievler Mah. 323/1 Cadde B Blok N10/50-B/03 Gölbaşı Ankara TÜRKİYE                          |
| <b>Phone</b>                           | +90 312 444 4 642                                                                                                             |
| <b>E-mail</b>                          | info@miateknoloji.com                                                                                                         |
| <b>Website</b>                         | <a href="http://www.miateknoloji.com">www.miateknoloji.com</a>                                                                |
| <b>Subject of Activity</b>             | Computer Programming Activities (Coding of system, database, network, web page, etc. software and customer-specific software) |
| <b>Market Where It Is Traded</b>       | Yıldız Pazar                                                                                                                  |

## 2.3 Board of Directors, Company Executives and Employee Information

At the Ordinary General Assembly Meeting held on 20.06.2025, the Management Structure and terms of office were determined as stated below. Mr. Özgür ÇİVİ, a member of our Company's Board of Directors, resigned from his position voluntarily on 21.10.2025. Following his resignation, Ms. Arzu ŞAHDALAMAN GÜL was appointed as a member of the Board of Directors pursuant to Article 363 of the Turkish Commercial Code No. 6102, subject to the approval of the first General Assembly meeting to be held. Her appointment was approved by our shareholders at the Extraordinary General Assembly Meeting held on 17.12.2025.

| Name                | Duty                            | Duration                |
|---------------------|---------------------------------|-------------------------|
| Ali Gökhan BELTEKİN | Chairman of the Board           | 20.06.2025 - 20.06.2028 |
| İhsan ÜNAL          | Vice Chairman of the Board      | 20.06.2025 - 20.06.2028 |
| Arzu ŞAHDALAMAN GÜL | Member of the Board             | 21.10.2025 - 20.06.2028 |
| Ali YAZICI          | Independent Member of the Board | 20.06.2025 - 20.06.2026 |
| Faik CECELİ         | Independent Member of the Board | 20.06.2025 - 20.06.2026 |

### 2.3.1 Authority and Limitations of Board Members and Senior Executives

The Chairman of the Board, Board Members, and senior executives of the Company carry out their activities on behalf of the Company within the scope of the authorities specified in the relevant articles of the Turkish Commercial Code and the Company's Articles of Association.

### 2.3.2 Board of Directors Committees

#### Audit Committee

The Audit Committee oversees the company's accounting system, public disclosure of financial information, independent auditing, and the operation and effectiveness of the company's internal control and internal audit system. The selection of the independent auditing organization, preparation of independent auditing contracts, initiation of the independent auditing process, and the work of the independent auditing organization at all stages are carried out under the supervision of the auditing committee. The auditing committee meets at least once every three months and at least four times a year, and the meeting results are recorded in the minutes and presented to the Board of Directors. The decisions taken at the committee meetings are recorded in writing and signed by the committee members and archived. The Audit Committee reports the findings and suggestions it reaches regarding its own duties and responsibilities to the Board of Directors in writing.

| Name        | Duty     | Status of Independence |
|-------------|----------|------------------------|
| Faik CECELİ | Chairman | Independent            |
| Ali YAZICI  | Member   | Independent            |

### Committee for Early Detection of Risk

The purpose of the Committee is to determine, define, prioritize, monitor and review strategic, financial, operational risks and opportunities that may affect the Company's activities; to manage these risks that may be exposed and opportunities that can be utilized in line with the Company's risk profile, to report and to make recommendations and suggestions to the Board of Directors on the issues of taking them into account in decision-making mechanisms. Committee meetings are held at least 3 times a year, and decisions are taken unanimously by the participants. The decisions taken at the Committee meetings are put into writing and signed by the Committee members.

| Name        | Duty     | Status of Independence |
|-------------|----------|------------------------|
| Faik CECELİ | Chairman | Independent            |
| Ali YAZICI  | Member   | Independent            |
| İhsan ÜNAL  | Member   | Dependent              |

### Corporate Governance Committee

The corporate governance committee determines whether the corporate governance principles are implemented in the company, if not, the reason for this, and the conflicts of interest that arise due to failure to fully comply with these principles, and makes recommendations to the board of directors to improve corporate governance practices and oversees the work of the investor relations department. The committee also assumes the duties of the Nomination Committee and the Remuneration Committee, as set forth in the Capital Markets Board regulations. The committee meets in principle three times a year and, if deemed necessary, without waiting for this period, and makes decisions by unanimous vote of the participants. The decisions taken at the meetings are put in writing, signed by the members of the Committee and archived.

| Name        | Duty     | Status of Independence      |
|-------------|----------|-----------------------------|
| Faik CECELİ | Chairman | Independent                 |
| Ali YAZICI  | Member   | Independent                 |
| İhsan ÜNAL  | Member   | Dependent                   |
| Ahmet DİNÇ  | Member   | Investor Relations Director |

### 2.3.3 Number of Board Meetings Held During the Period and Attendance of Board Members

During the period between 01.01.2026 and 31.03.2026, our Company's Board of Directors held 17 meetings. The Board meetings were conducted with the participation of our Board Members.

### 2.3.4 Positions Held by Board Members and Executives Outside the Company

The positions held by the Company's Board Members and executives outside the Company are presented in the table below.

| Name                                             | Title                                                                          | Duty         | Share (%) |
|--------------------------------------------------|--------------------------------------------------------------------------------|--------------|-----------|
| Ali Gökhan Beltekin<br>(MİA Teknoloji A.Ş. Rep.) | Tripy Mobility<br>Teknoloji A.Ş.                                               | Chairman     | 100,00    |
| Ali Gökhan Beltekin<br>(MİA Teknoloji A.Ş. Rep.) | Enerjey Enerji A.Ş.                                                            | Chairman     | 10,00     |
| İhsan Ünal<br>(MİA Teknoloji A.Ş. Rep.)          | Link Bilgisayar<br>Sistemleri Yazılımı<br>ve Donanım Sanayi<br>ve Ticaret A.Ş. | Board Member | 11,14     |
| Ali Gökhan Beltekin<br>(MİA Teknoloji A.Ş. Rep.) | Koral Labs Köktürk<br>Otonom Robotik ve<br>Araştırma<br>Laboratuvarları A.Ş.   | Chairman     | 20,00     |

### 2.3.5 Amendments Made to the Articles of Association During the Period

At the 2024 Ordinary General Assembly Meeting of our Company held on 20.06.2025, in line with the approvals obtained from the Capital Markets Board and the Ministry of Trade of the Republic of Türkiye, it was resolved to amend Article 3 of the Company's Articles of Association titled "PURPOSE AND SCOPE" by adding the following activities: the manufacture, import, export, wholesale and retail trading, distribution, servicing, and maintenance of medical devices and spare parts, laboratory materials, orthopedic instruments and supplies, X-ray devices and consumables, surgical instruments and materials, radiology and nuclear medicine products, and sterilization materials required by hospitals, clinics, polyclinics, laboratories, doctors' offices, and healthcare institutions; the manufacture, trading, import, and export of components and spare parts of such products; the manufacture, trading, import, and export of all kinds of medical materials and undertaking related commitments; and the provision of medical and project consultancy, medical project design, and implementation services for medical devices, consumables, and equipment, including the supply and installation of related equipment and systems.

In addition, it was approved to amend Article 6 of the Company's Articles of Association titled "CAPITAL" by increasing the registered capital ceiling from TRY 750,000,000 to TRY 5,000,000,000 and determining the validity period of the registered capital system as 2025-2029. The relevant amendments were registered and announced by the Ankara Trade Registry Directorate on 25.06.2025.

## 2.3.6 Information on Personnel

As of 31.03.2026, the Group employs 84 personnel.

## 2.4. Company Capital, Shareholding Structure, and Privileged Shares

### 2.4.1 Capital

The registered capital ceiling of our Company is TRY 5,000,000,000, and its issued capital is TRY 494,000,000.

### 2.4.2 Privileged Shares

A) Privileged Share Amount: 65.000.000,00-TL

B) xplanation Regarding the Voting Rights of Privileged Shares: Holders of Group A privileged shares are entitled to 5 voting rights for each share.

### 2.4.3 Shareholding Structure

| Shareholder                           | Share % | Voting Rights |
|---------------------------------------|---------|---------------|
| Ali Gökhan BELTEKİN                   | 12,19   | 25,23         |
| İhsan ÜNAL                            | 10,81   | 24,23         |
| Effective Invest Yatırım Holding A.Ş. | 15,00   | 9,83          |
| Repurchased Shares                    | 0,71    | 0,46          |
| Other                                 | 61,29   | 40,25         |
| Total                                 | 100,00  | 100,00        |

## 2.5 Direct or Indirect Subsidiaries of the Company and Shareholding Ratios

Information regarding the subsidiaries and affiliates within the Group is presented below;

| Name of Subsidiary and Affiliate                                    | Share (%) | Activity Field                              |
|---------------------------------------------------------------------|-----------|---------------------------------------------|
| Tripy Mobility A.Ş.                                                 | 100,00    | Micromobility                               |
| Enerjey Enerji                                                      | 10,00     | Energy                                      |
| Link Bilg. Sist. Yaz. Ve Don. San. ve Tic. A.Ş.                     | 11,14     | Development of Customized Software Packages |
| Koral Labs Köktürk Otonom Robotik ve Araştırma Laboratuvarları A.Ş. | 20,00     | Defense and Security Technologies           |

|                                            |      |                   |
|--------------------------------------------|------|-------------------|
| <b>Abrakadabra Oyun Teknolojileri A.Ş.</b> | 5,00 | Gaming & Software |
|--------------------------------------------|------|-------------------|

**Tripy Mobility Teknoloji A.Ş. ("Tripy")**, Established on October 5, 2022, the company's main fields of activity are shared micromobility services and electric vehicle charging network operations. Founded in partnership with MİA Teknoloji, Tripy is an innovative technology company operating to support sustainable transportation, meet users' last-mile mobility needs, and provide electric vehicle charging services.

Tripy initially provides users with electric bicycle rental services within its fleet, becoming Türkiye's first and largest private electric bicycle operator. In recent years, difficulties in accessing energy and increasing costs have driven people toward the use of electric vehicles. With its environmentally friendly and sharing economy-based approach that reduces traffic congestion, Tripy has developed a system enabling people to easily use vehicles whenever needed. In this direction, the company aims to increase the diversity of electric vehicles within its fleet and expand its activities in this field through its electric vehicle charging station operator license.

Tripy holds the "Electric Vehicle Charging Network Operator License" granted by the Energy Market Regulatory Authority (EPDK) in 2024 for a period of 49 years. Within this scope, the company carries out the installation, operation, and management of electric vehicle charging stations and plans to significantly increase its investments in this field in the upcoming period. As of today, Tripy contributes multidimensionally to Türkiye's sustainable transportation ecosystem by providing services to electric vehicle owners through charging stations established in 8 cities.

In February 2025, Tripy received a strategic investment through an investment round joined by Ahu Serter, Founder of Fark Labs and Arya Women Investment Platform and Chairwoman of the Board of Fark Holding, as well as Selcen Uyguntüzel, former Deputy General Manager of Vestel Mobility and Managing Director of Fark Labs. This investment marked a significant milestone that strengthened Tripy's sustainable mobility vision on a global scale. Through its expanding electric vehicle charging network and smart transportation solutions, the company aims to make cities greener and more digital. Through this collaboration, Tripy intends to expand its micromobility solutions into new cities, enlarge its electric vehicle charging infrastructure, and further advance sustainable urban transportation projects.

Tripy currently continues its electric bicycle sharing services in the provinces of Istanbul, Eskişehir, İzmir, Sakarya, Konya, and Hatay, while also continuing negotiations to expand its operations into cities across Türkiye, Europe, and Central Asia through sustainable business models.

As of February 2026, Tripy obtained a 10-year Shared Electric Bicycle Operating License from the Istanbul Metropolitan Municipality. With the addition of Istanbul – Europe's most populous city with a population of 16 million – the total population served by Tripy has exceeded 30 million, further strengthening its sustainable revenue model.

Having received the Great Place to Work® certification in January 2026, Tripy's globally recognized certification, shaped by employee feedback and independently evaluating workplace experience,

serves as a concrete indicator of its trust-based corporate culture, strong team spirit, and development-oriented management approach.

Tripy ranks first in Türkiye and among the top five in Europe in terms of shared electric bicycle fleet size. Aiming to carry its sustainability vision into the international arena, Tripy is also a shareholder of MIACorpUK Ltd, established in the United Kingdom, and continues preparations for operations to be conducted there. In addition, Tripy became the first mobility company in Türkiye to receive accreditation from CoMoUK, one of the leading accreditation organizations in the international shared mobility sector. This accreditation demonstrates that Tripy's operational standards, technological infrastructure, and data security practices meet international standards, while also highlighting the company's potential to take an active role in global markets.

Tripy's registered headquarters is located at Bahçelievler Mah. 323/1 Cad. C Blok Gazi University Technocity Building No:10/50C Internal Door No:101, Gölbaşı / Ankara. The Company's paid-in capital is TRY 10,000,000.

**Enerjey Enerji A.Ş.**, The company was established to operate and invest in the energy sector, as announced in the Turkish Trade Registry Gazette No. 10819 dated April 26, 2023. The Company's main field of activity is to provide turnkey engineering, procurement, construction, and operation & maintenance services in the energy sector, as well as artificial intelligence-based software solutions for the renewable energy industry. The Company's principal capital is TRY 1,000,000. MİA's shareholding ratio in the partnership structure is 10%.

Enerjey's registered address is Bahçelievler Mahallesi, 323/1 Cadde, C Block, Gazi University Technocity Building No:10/50C Internal Door No:129, Gölbaşı/Ankara.

For the purpose of developing Photovoltaic Solar Power Plant (SPP) projects and carrying out joint venture projects with equity resources and/or international finance and investment institutions, the establishment and registration procedures of Nouzi Energie S.R.L., for which an application was made in Bucharest, Romania as a 100% subsidiary of Enerjey, were completed on 11.10.2023. Through our Romania-based affiliates, the Rasi I Solar Project is being developed via Renawell Energie S.R.L., while the Rasi II Solar Project is being developed through Nouzi Energie S.R.L. The project development processes are ongoing, and the projects are expected to become ready for investment in the second quarter of 2027.

**Link Bilgisayar Sistemleri Yazılımı Ve Donanımı Sanayi Ve Ticaret A.Ş.** Established in 1984 by a group of young entrepreneurial engineers with 100% Turkish capital, Link Bilgisayar Sistemleri Yazılımı ve Donanımı Sanayi ve Ticaret A.Ş. develops software solutions that enable the integrated management of Enterprise Resource Planning (ERP) processes such as sales, marketing, procurement, inventory management, warehouse-store management, current accounts, finance, production, budget planning, human resources, fixed assets, and accounting for businesses.

The software packages developed by Link Bilgisayar using the latest technologies worldwide are utilized by companies of all sizes across various industries. In addition, business partner companies that develop integrated custom software solutions to meet the various software needs of enterprises using Link package programs, or that provide sector-specific solutions by integrating their own vertical industry solutions into

Link package programs, are also among the members of Link Bilgisayar's distribution channel.

The primary reason for Link's market share leadership is its strong command of legal regulations. In addition to more than 30 years of experience, Link consistently maintains high customer satisfaction through its powerful products and high-quality after-sales support. Following its public offering in 2000, the company has been traded on Borsa Istanbul under the ticker symbol "LİNK."

Today, Link Bilgisayar has more than 180 solution partners and dealers throughout Türkiye and holds a 25% market share. In addition, the company has proven its undisputed superiority in e-Transformation applications such as e-Invoice, e-Ledger, e-Archive, and e-Dispatch systems.

**Abakadabra Games**, It is an Istanbul-based technology initiative that develops real-time video gamification and artificial intelligence-based analysis technologies, bringing together content creation and the digital entertainment world on an innovative platform by enabling users to transform any video into an interactive and gamified experience within seconds.

**Koral Labs Köktürk Otonom Robotik ve Araştırma Laboratuvarları A.Ş.**, It is planned to operate primarily in high-technology fields such as autonomous systems, robotic technologies, and advanced engineering solutions, and this participation is considered a strategic step that will contribute to our Company's transformation in defense technologies.

It is planned that the commercialization and sales activities of the products and technologies to be developed by Koral Labs in both domestic and international markets will be carried out by MİA Teknoloji A.Ş.

### **3. FINANCIAL BENEFITS PROVIDED TO BOARD MEMBERS AND SENIOR EXECUTIVES**

During the period between 01.01.2026 and 31.03.2026, the total gross remuneration paid to the members of the Board of Directors and senior executives amounted to TRY 6,630,806.91.

### **4. COMPANY ACTIVITIES**

#### **4.1 General Activities of the Company**

As summarized in Article 3 of the Company's Articles of Association titled "Purpose and Scope," the Company's fields of activity are defined as follows:

To carry out the design, production, maintenance, and sales of all kinds of computer and information technology systems and software; to perform the design, production, maintenance, and sales of all types of information security systems and software; to provide electronic signature and electronic certificate services; to engage in software and system integration; consultancy and engineering; training and consultancy services; industrial design activities; to design all types of biometric systems (fingerprint recognition, iris recognition, vein recognition, facial recognition), establish biometric system networks, develop related software, and provide sales, maintenance, repair, and technical support services for such systems.

To conduct all kinds of training, research, and development activities related to information systems; to design all kinds of security systems, establish security networks, develop related software, and provide maintenance, repair, sales, support, and technical services.

To manufacture, import, export, wholesale and retail trade, distribute, maintain, and repair medical devices, instruments, materials, consumables, and spare parts required by hospitals, clinics, polyclinics, laboratories, and similar healthcare institutions. In addition, the Company provides project and medical consultancy services for all kinds of medical products and equipment, including the procurement, project design, and installation of related systems.

The Company's actual field of activity may be defined as follows:

Since 2006, the Company has been operating within Gazi Technopark in the fields of R&D, innovation, software development, integration, and solution provision.

Holding ISO IEC 15504/SPICE Level 2 Software Development Maturity Certification, ISO 9001:2015 Quality Management System, ISO 14001:2015 Environmental Management System, ISO 45001:2018 Occupational Health and Safety Management System, ISO 27001:2013 Information Security Management System, ISO/IEC 20000-1:2018 Information Technology Service Management System certifications, NATO & National Facility Security Clearance Certificates, 24/7 Call Center, Support and SLA Management capabilities, and Approved Supplier Certificates for Military Factories, the Company places significant emphasis on R&D activities and actively works with public institutions, private sector organizations, and leading international companies through innovative software and projects. In addition, the Company acts as a solution partner for various institutions and organizations by offering tailor-made and turnkey solutions.

The Company continues its collaboration with major university hospitals in the healthcare sector and contributes to the establishment of highly manageable hospitals in line with the competitive environment and technological developments of today through its MIA-MED Hospital Information Management System (HIMS) software, which addresses the needs of the healthcare sector. In addition, through its PizzyKurum - Integrated Facility Security and Audit Systems software, the Company offers a scalable infrastructure capable of significantly addressing the needs of facilities and works with numerous institutions within the sector.

The Company operates as both a software developer/manufacturer and a system integrator in many sectors, particularly in information technologies and healthcare, together with highly reputable companies in Türkiye such as Aselsan, Havelsan, Innova, Türksat Bilişim, and NEC.

The Company is an information technology firm established in 2006 to operate in the software sector. Since its establishment, it has been developing software products tailored to the practical field requirements of the IT industry and providing services to public and private organizations across numerous sectors.

## **4.2 Information Regarding the Investments Made by the Company**

### **Face Recognition and Matching System Created with Native Image Processing and Pattern Recognition Algorithms**

The project will develop face detection and face recognition (matching) software, which are the most important pillars of face recognition systems. The output of the project will be face recognition and face detection software for an innovative and completely domestic face recognition system. The project, which will appeal to many different sectors such as security, personnel tracking, statistics creation, decision support, and identification, will achieve both national gains and commercialization successes.

In addition, the system;

- Produce the software required to develop a domestic face recognition system,
- Produce a quality system with limited and low resources,
- Produce a system suitable for cyber security and data security,
- Develop a system that can provide services on a national and international scale.

### **Biometric Authenticated Video Conferencing System**

When the system has internet access and camera, the conference to be held on the platform will perform facial recognition at certain intervals with the logic of 1-1. In the absence of current possibilities, access to the program will be provided with fingerprint or facial recognition depending on the processing device used (mobile, tablet, PC). In addition, an innovative and secure solution will be offered in subjects such as distance education, remote diagnosis, online exams, company and in-house meetings, witness hearing, e-judiciary, which have an increasing market share with today's technology.

With the project we plan to realize, it is aimed to reduce the cost for the following areas of use, to guarantee that the transaction is made with the right person, and to provide a fast and easy solution.

- Job Interviews,
- Human Resources Interviews,
- Intercompany Interviews,
- Interbranch Interviews,

- Interviews with Field Staff,
- Official Interviews,
- Distance Education,
- Online Exam Systems,
- E-Judicial Systems (Witness Hearing, Remote Interrogation),
- Medicine-Remote Diagnosis, etc. With software to be developed on such topics, it will be possible to bring people together in a different location and verify the video conference with facial recognition.

The remote health information system, where the patient identity verification process is carried out through biometric verification, can provide a doctor-patient examination interview in an interactive environment. In this way, the doctor can access all the patient's health data and make the necessary evaluation.

### **MIA Vehicle Identification Solutions**

It is the development of a package software that can perform all vehicle identification processes on a single platform. It aims to develop a system that can perform license plate recognition, vehicle brand-model and color recognition, under-vehicle imaging, passenger biometric face recognition on both a fixed campus and a fluid road, and that is matched with authorized units in system integration. The license plate identification system is a system where the plates coming from the cameras are checked with white or black lists created with vehicles to be added individually or collectively, all transition transactions are recorded, retrospective plate-based transaction queries can be made and the results can be reported, vehicle registration queries can be made with the plate, and the list and other information of the vehicle can be changed.

The vehicle brand-model and color recognition system is a system aimed at determining the brand, model and color information with the images taken from the cameras.

Under-vehicle imaging systems are systems based on imaging the underside of the vehicles with a camera located at a transition point and comparing this image with the source (old or known) image.

Biometric face recognition, on the other hand, will be performed by taking the facial information of the user in the driver's seat, pre-processing, face detection and identification will be performed.

### **Development of Mobile Multi-Biometric Registration Unit**

The product we plan to realize within the scope of the project is to realize a mobile unit that will provide both registration and matching on the server for many different applications thanks to a platform structure; face recognition, iris recognition, fingerprint recognition and MRZ technology and identity information acquisition.

The project to be developed is to produce a flexible and reliable mobile solution that can work in areas where identification (especially biometric) is important, such as border security, document security, banking and insurance transactions.

With the unit to be developed, all these biometric and encrypted data will work within a standard matching logic with the help of a server communication. Thanks to its mobile structure, it will be free from restrictions such as power, data line, usage area and will be able to work throughout the country and even the world thanks to the cloud architecture.

## **Cleanmask-Tech Controlled Mask Distribution and Hand Sterilization Point**

The device performs the operations of providing masks, measuring fever and disinfecting hands with the vapor form of disinfectant in a contactless and fast manner using methods such as card reader, barcode reader, coin, etc. This project, which will be produced with local and national resources;

- It will be able to provide service directly to the person without the need for an intermediary institution or organization.
- If desired, it will be able to work integrated with other applications (e-government, e-municipality, etc.) and easily follow up.
- It will be able to provide service on its own, no auxiliary personnel will be needed.
- It will allow you to obtain a mask directly with voice command without any intermediary contact.
- It also has the feature of working integrated with PDKS and access control system.

Areas of Use;

- Shopping Malls
- Educational Institutions
- Public and Private Sector
- Airports
- Public Areas, etc.

Every patient who is registered or has an appointment in HIMS can benefit from the services provided by CleanMask-Tech through the code given by the system.

Personnel registered in HIMS can also benefit from this through their card information. Health data obtained from the CleanMask-Tech system (body temperature measurement, mask acquisition, hand disinfection) can be automatically transferred to the HIMS examination system.

## **MIA Health Integration System**

Hospital Information Management Systems (HIMS), which are necessary for the operation of hospitals, transactions between hospitals and other health institutions (transfer, laboratory outsourcing, appointment, etc.), transactions between health institutions and government institutions (Medula, SGK Entitlement, 112 Emergency, Medicine Tracking System, Organ Donation, AFAD, CBS, e-invoice, Physician Control Systems, Central Health Appointment System-183, Blood Bank, etc.), transactions between patients and health institutions (e-pulse, laboratory-radiology-pathology imaging, etc.), transactions between health institutions and private companies (e-procurement, tender, stock, etc.) are presented on a single platform in an easily monitorable and reportable manner.

## **Traffic Control System Project**

Within the scope of the project, a traffic control system software consisting of a web-based application, a decision support module and a server application will be developed. The TDS project is an integrated system that includes vehicle counting, license plate recognition, instant speed control, red light violation detection, average speed control, emergency lane violation, smart intersection system and parking systems. The software to be developed will process the data received from

different sensors (camera, radar, infrared sensors) and will be able to create reports based on the data it obtains and share them in the application center. In this context, reports may have content such as date, time, scene, vehicle plate information, number of vehicles, traffic density, traffic density direction, photo and/or video in line with their purposes.

### **Multi Biometric Person Recognition System with Remote Temperature Measurement Feature**

It is a system that can be integrated with remote contactless fever measurement and mask control systems. It also ensures that daily fever measurements and mask checks of personnel who are checked in the public and private sectors are recorded and reported. The system also provides an alarm and a warning if the detected body temperature is above a certain level and sends an e-mail or SMS to the desired points. Innovative features of the system we developed:

- It is the only domestic product that offers Personnel Attendance Tracking, Face Recognition, Fever Measurement, Mask Tracking, Alarm and Warning Mechanisms and Passage Control together.
- It can track 8-10 people at the same time at 30 FPS speed (maximum 6 people in competing products)
- It is 60% less costly than its foreign counterparts.

Through the system, in accordance with the COVID-19 Regulation, the requirement for employees to have their fevers measured and recorded at the entrance to the hospital is met.

This system, which was created to meet these and similar needs, meets the necessary security procedures.

The body temperature and mask check of patients and personnel who want to enter the hospital is detected as soon as the person approaches the relevant limit. If the person's body temperature is within the accepted values, the person is allowed to pass through the system. If the person's body temperature is above the accepted values, a warning is made on behalf of the relevant person via HIMS and the location and people who need to be informed are informed of the situation.

### **MIASOFT: Development of Authentication and Identification System Software Based on Multimodal Biometric Fusion**

With the project, identity verification (1:1) and identity definition (1:N) functions will be provided within the scope of the fusion to be realized in line with multimodal biometric (Face, Fingerprint, Finger Vein Trace) data. The fusion to be realized in line with the data obtained from different biometrics will be realized at the feature level, match value level (Score Level) and decision stage level (Decision Level). With biometric fusion, a more effective biometric system will be created in line with the accuracy, false acceptance (FAR) and false rejection (FRR) values regarding the identity verification and definition processes.

The Patient Verification Interface in the Patient Kiosk Information System is used in this infrastructure.

The same infrastructure is also used in HIMS Personnel Tracking Systems and Health Approval Mechanisms (Prescription doctor approval, order doctor and nurse approvals, health board examination events, etc.).

### **Image Processing and Pattern Recognition Project in Big Data with Deep Learning Layers**

With deep learning and big data, great progress will be made in the perception and prediction-matching times of machines. Thanks to the database created, a large amount of data will be scanned very quickly and the desired operation can be performed more quickly and easily. Deep learning,

which supports the learning mechanism of machines, plays a major role in analyzing the acquired data and accelerating the processes. Thanks to the data volume, data diversity and data loading speed it will contain, sector needs can be scenario-ized more quickly and solutions or innovations can be brought. With this infrastructure, interaction controls such as drug-drug, drug-symptom, drug-diagnosis, drug-laboratory result, drug-allergy, drug-food are provided in Patient Clinical Decision Support Systems. Apart from this, Smart Stock Analysis Solutions in Demand Management Systems are offered through this infrastructure (deep learning).

### **Integrated Modern Health Informatics Layers Project**

In order to determine the needs of medicines and medical consumables used in the provision of services in hospitals, to supply, stock, preserve, distribute, use and to ensure an effective material management of these processes, a barcode system should be put into use and this should be supported by software to improve the invoice unit service. With the Integrated Modern Health Informatics Layers Project; it is aimed to increase income by ensuring the lossless operation of the Hospital Information Management System (HIMS) and also to develop and implement a hospital invoice and stock management system for the correct processing of examinations, interventions, medicines and consumables into the system so that the statistics received by academicians for scientific research projects via HIMS work correctly.

### **Project for the Development of a Reliable System for Fast and Secure Biometric Authentication**

Our primary goal within the scope of this project is to bring a new approach to identity verification methods carried out by companies during the recruitment process by using Optical Character Recognition (OCT) and Biometric Identity Recognition technologies in an integrated manner.

The Development of a Reliable System for Fast and Secure Biometric Identity Verification project covers sectors that include all job profiles. Biometrics and optical character recognition activities will be used together in identity verification. Recruitment and identity verification activities will be carried out based on automation, cheaply and with high accuracy. It will provide a different solution compared to the currently used solutions.

This infrastructure is used to prevent false identity declarations in the Identity Verification process, which is actively used in the HIMS Patient Registration System.

### **Personalized Medical Cabinet Project**

Within the scope of the project, a personalized medical cabinet will be developed with software and hardware development that can be used in all health institutions, fully automated, fully integrated with existing hospital information management systems and has its own decision support mechanism with its own parameters. With the implementation of the project, this device, which is not currently used in hospitals in Turkey, will contribute to the improvement of patient care processes, acceleration of hospital workflow processes, facilitation and recording of medication follow-up and prevention of possible negativities that may be experienced in the patient care process due to human factors. The Personalized Medical Cabinet Project is presented as an integrated solution to HIMS Clinical Order and Pharmacy Systems with the aim of applying the right drug, right dose, right time mentality to the right patient.

### **Automatic Exam Evaluation System Project with Machine Learning and Natural Language Processing Techniques**

The project is the development of a software system that automatically evaluates and scores classical

exams held by ÖSYM, MEB and affiliated institutions and organizations by eliminating the human factor. The software in question will be developed with natural language processing and artificial intelligence technologies and will be a first in its field in Turkey.

With the implementation of the project, it is planned to reduce the workload in the evaluation process of classical exams taken by millions of students every year, reduce the costs brought by the human factor by 40% and provide benefits in terms of minimizing errors caused by human participation.

The project enables the digitalization of patient data that is not in a digital environment using the infrastructure of this system and transferring it to the HIMS digital archive.

### **Contactless Kiosk Project**

During the pandemic crisis, it is observed that digital infrastructure has great importance in many areas in terms of public health management. Digital infrastructures need to be strengthened in a way that will reduce the effects of current and possible future crises.

The kiosk we will develop will easily control the person's interface with sensors that detect hand movements, transfer videos, images and texts in the system to the person about the subject on which information is requested, and provide information without disturbing the environment thanks to the speaker system that provides linear sound transmission.

This project provides solutions to many issues such as patient identification through identity recognition, making appointments through sensors that detect sound and hand movements, viewing laboratory results, viewing radiology reports and being able to get the unit order.

### **Autonomous Cleaning and Disinfection Robot**

Thanks to the project; It can be used in closed and contaminated areas with high risk rates, shopping malls, workplaces, campuses, institutions, hospitals, operating rooms, dining halls, etc. where high sterilization is needed. The Sterilization Robot, which will be a rapid solution partner in pandemic problems, will play an active role in managing crisis moments and sterilization measures. The project carries out disinfection processes according to the building, floor, room, operating room, and unit plans in HIMS and reports the completed areas. In order to maintain cleaning, it monitors the stock level of the necessary materials and ensures continuity by warning the relevant units via HIMS.

### **Mia-Tech Project**

The MIA-Tech project targets all jobs that cannot be managed with traditional methods, and will also be a solution that will improve the processes of campuses, public institutions, banks, shopping malls, university and city hospitals, prisons, factories and private businesses that are inefficiently managed due to manual processes and have a high number of employees and visitors.

The group will develop solutions that aim to meet all the end-to-end needs of many institutions with the project, and will increase the efficiency and profitability of the institution by combining the needs and requirements with service quality in departments outside the institution's main fields of activity and developing solutions that cover functional objectives.

The solution to be developed will be customer-oriented and thus will ensure that all processes that directly affect the benefits to be obtained by the institution are structured and managed in the best way. MIA Tech will be a decision support mechanism in matters such as estimating the situation after the change to be made and determining the risks, as it has a structure that will allow the evaluation of the current situation.

By benefiting from the infrastructure of this project, income-expense analysis is performed for all units of the hospital with the Financing System offered through HIMS and data is provided to the relevant financial reports.

#### **Production Line Quality Control Project Based on Integrated Image Processing with Cloud Integration**

The Group's aim with the project is to develop an adaptable image processing system that allows instant, fast, non-contact and remote measurement, object recognition and defect-error detection for quality control purposes on the line and to integrate this into the quality control processes on the production line.

The remote accessibility of the system to be developed with cloud integration will provide secure traceability of system data and even provide remote usage and control capability. Nonconformities (dimensional, structural and texture incompatibilities) seen in production lines for different sectors will be detected and sorted at the part level with a generalizable production line automation tool that can perform image processing-based measurement and evaluation.

The project output aims to increase the use of technology in production by enabling businesses to increase capacity and efficiency in production and to provide precise measurements and bring close-to-perfect products to the end consumer.

#### **MIA HealthCare**

As a group, a project will be developed that will respond to the demands of the Ministry of Health, perform income and expense analysis on a clinical basis, have a decision support mechanism, enable data exchange, integrate with other projects and aim to improve all processes from internal management of hospital processes to resource management. The system we will develop will be fast, secure, user-friendly, have a decision support mechanism and high performance with all modules on a single platform.

#### **Augmented Reality Based Mobile Application Development Project for Informative Product Content**

With the project, an application will be developed that will present the advertising/promotion/information stages of the product or brand via AR technology. Thus, companies will introduce their brands or products with AR applications.

Augmented Reality has the potential to be used very efficiently in the health field. In this regard, the project has the potential to model surgeries in advance using radiology images with the Augmented Reality infrastructure and to enable the surgeon to simulate the operation.

#### **Virtual Experience for Museums - V-REX (Virtual Experience for Museums)**

The V-REX project will provide a solution that will adapt the processes of museums that cannot use digital assets to developing technology, reduce the loss of income due to the Covid-19 outbreak, increase awareness and increase the number of online visitors. The V-REX concept will allow users to log in to the application on different platforms, purchase online tickets or enter the museum of their choice directly. Users will be able to navigate the museum virtually with gesture controls, view any item in 360° and read written information placed next to the item by voice or AR.

#### **Development of Mass Behavior Analysis and Reporting System for Smart Cities Concept**

The project will develop a system that uses deep learning methods to replace standard Computer Vision and image processing techniques that are insufficient in mass behavior analysis in places such

as squares and temporary gathering areas where people are crowded.

Behavior analysis is a challenging solution due to the different dynamics and psychological characteristics of human communities. In most gym scenarios, there is a need to define, count and group community behaviors. In this context, the solution we developed is divided into five sections;

- Counting people / density estimation
- Human tracking
- Understanding behavior or anomaly detection
- Emotional state detection
- Abnormal human voice detection

In this context, the system developed will provide information to the security organization about the number of people in areas with human density, tracking of the wanted person, emotional state, anomaly and abnormal human voice detection and possible dangers and/or threats.

### **Development of AR (Augmented Reality) Based Remote Maintenance System for Remote Field Support Activities**

The main objective of the project is to develop a service-oriented system that implements AR technology for remote maintenance, enabling collaboration between on-site technicians and manufacturers. The proposed system includes methods for recording installation/failure/maintenance by the end user, necessary actions by the expert to provide instructions in the Augmented Reality application for maintenance, information exchange and a platform that will allow their communication.

### **Development of VR (Virtual Reality) Based Training System for Safe On-the-Job Training Processes**

Virtual reality occupational safety training will minimize occupational accidents and deaths caused by occupational accidents, and will make factories and construction sites safer. Virtual reality and Industrial Occupational Training applications will be implemented. Virtual reality occupational training will also allow interactive occupational training with gamification on new equipment for operators and maintenance personnel.

This process will also be very useful in detecting unusable or broken parts and possible malfunctions they cause. Thanks to virtual reality occupational training, employees who walk around the equipment will be able to make detailed maintenance plans with gamification and virtual reality occupational training, and work efficiency will increase.

Virtual reality occupational safety training will also allow simulation of dangerous situations such as equipment breakdown, chemical spillage, dangerous machines, and noise that may be encountered in factories or production facilities, and will ensure that what needs to be done is determined without putting operators at risk. Employees who gain virtual training experience on unexpected situations with virtual reality occupational safety training will remember what they need to do faster and implement actions faster in the face of situations they experience during training in real life.

### **Traffic Control System Project-2**

An innovative traffic control system will be developed within the scope of the project. The system will include vehicle counting, license plate recognition, instant speed control, red light violation detection, average speed control, emergency lane violation, smart intersection system and parking system. Especially the instant speed control and smart intersection systems that have recently started to be used in our country are completely of foreign origin. In this context, systems that will create import

substitution in our country will be developed within the scope of the project. The developed system will operate within the data obtained from cameras, radars and infrared sensors and will produce reports based on decision support. The reports produced can be shared in a desired center or multiple locations.

### **Indoor Mapping Mobile Application Software**

The project will minimize the errors and effort that can be made by allocating manpower to assist people in directing them to various locations, and will enable people to reach their desired locations with more accurate results. The project, which is intended to be developed, will be actively used in many sectors, with priority given to institutions such as hospitals and hotels with a large number of rooms and floors.

### **Depth Analysis for Aircraft-2**

In the project, unmanned aerial vehicles will be provided with obstacle detection features based on automation and learning, and a decision support mechanism will be provided. In addition, object recognition and object tracking features will be used especially in applications such as urban planning, transportation and traffic control.

### **e-Sports Reaction and Hit Rate Measurement Software**

The AIM-TEST project, which aims to test and develop players' skills, will be able to easily monitor the development, deficiencies and performances of players within teams from a single platform and present this data to teams in a reportable manner. With the artificial intelligence module to be added to our AIM-TEST application, players who test their aiming skills will be suggested training programs to follow and subcategories to develop. In this way, players will be able to optimally eliminate their deficiencies.

### **Metaverse Based Virtual Event Platform**

In an avatar-based virtual event, the participant will have an avatar, a designed digital visual virtual character, that represents him/her while participating and interacting in the event. In this way, there will be no need to travel to another country and no significant amount of time and money to participate in the event. In the platform we will develop, the participant will move an avatar in a large digital event area, follow the event and communicate with other avatars (verbally and with movement). The 3D digital event area will include open and closed areas for participants and various private areas. In addition to ordinary participants, there are avatars of speakers, businesses, service and product providers and organizers. Live and recorded video broadcasts are used with avatars or real people appearing on the screen. It has digitized features of regular events such as virtual rooms, information desks, PowerPoint presentations on the walls, etc.

### **Software for Passengers and Drivers in Public Transport Vehicles**

Public transport vehicles have two components related to negative experiences during travel: the driver and the passenger. In the proposed solution, we aim to integrate the 'Artificial Intelligence Based Safe Public Transport Management System' into public transport vehicles to increase the safety and security of passengers. Our aim is to analyze the driver's attitude and driving behavior and the attitude of the passengers in the vehicle, detect anomalies with deep learning and image processing technologies and send alarms to the headquarters. Thus, the headquarters authorities will

intervene in line with the incoming alarms.

### **Development of VR (Virtual Reality) Based Training System for Safe On-the-Job Training Processes**

Virtual reality occupational safety training will minimize occupational accidents and deaths caused by occupational accidents, and will make factories and construction sites safer. Virtual reality and Industrial Occupational Training applications will be implemented. Virtual reality occupational training will also allow interactive occupational training with gamification on new equipment for operators and maintenance personnel.

This process will also be very useful in detecting unusable or broken parts and possible malfunctions they cause. Thanks to virtual reality occupational training, employees who walk around the equipment will be able to make detailed maintenance plans with gamification and virtual reality occupational training, and work efficiency will increase.

Virtual reality occupational safety training will also allow simulation of dangerous situations such as equipment breakdown, chemical spillage, dangerous machines, and noise that may be encountered in factories or production facilities, and will ensure that what needs to be done is determined without putting operators at risk. Employees who gain virtual training experience on unexpected situations with virtual reality occupational safety training will remember what they need to do faster and implement actions faster in the face of situations they experience during training in real life. In this context, the product developed will provide an innovative solution that will provide labor, cost and time advantages for companies that provide on-site technical support services for their products located at many different points.

### **Development of Secure Payment System with Mobile and Card Payment Solution**

Unlike traditional payment methods, electronic payment systems have become widespread today. Today, widespread digital commerce has become a method that every user demands for a fast and secure payment experience. Mobile and card payment solutions aim to provide a secure environment for users in terms of insufficient security verification, privacy risk and personal data violation in payment transactions.

Fake IDs and unauthorized transactions for payments continue to cause trouble for banks and their users. This is solved with different identity verification technologies as biometric and mobile methods.

The developed Mobile and Card Payment Solution will provide the multitude of different cards and methods used in areas such as transportation and shopping in daily life on a single platform.

### **Disease Detection and Treatment Optimization from Biomedical Images with Image Processing Techniques**

Today, medical imaging has become a fundamental component of all medical processes, including health screening, early diagnosis, treatment selection and follow-up. Patient triage, imaging-guided interventions, and optimization of treatment planning in both acute care and chronic disease are now integrated into routine clinical practice in all subspecialties. In modern medicine, the detection of bleeding in the body often relies on the use of techniques such as Computed Tomography (CT) and Magnetic Resonance Imaging (MRI). Automatic detection of cranial injuries from images is a complex and challenging task for radiologists. Detection difficulties are often due to the extreme proximity and intertwining of structures within the brain. The diversity of structures in the brain increases the complexity of detection and separation algorithms. Traffic accidents and falls are the two most common causes of traumatic brain injuries (TBI), with falls being slightly more common. According to the data of the American Speech-Language-Hearing Association, at least 1.7 million TBI cases are

seen in the United States each year, and more than 45% of these cases are Epidural Hematoma (EH) cases. In our project, we aim to detect EH regions from brain CT images, by finding the boundaries of the hemorrhage and measuring its size. In our project, image processing techniques and artificial intelligence will be used in the boundary detection process. Professional help will be received from an expert radiologist to determine the real boundaries of the hemorrhage. Then, the proposed algorithms will be tested on the images, the obtained results will be compared with the real boundaries, and finally the error rates will be calculated. In the next stage of our project, the treatment process determined by the doctor will be updated instantly and dynamically based on patient data using the Process Mining method in the follow-up of the disease. Data will be used with the Synthetic Data Generation technique to ensure the security of the data within the scope of GDPR.

### **MetaMALL - Metaverse Based Virtual Market Application**

Metaverse is a digital reality that combines the features of social media, online gaming, augmented reality (AR), virtual reality (VR), and cryptocurrencies to allow users to interact virtually. Augmented reality places visual elements, sound, and other sensory inputs into real-world settings to enhance the user experience. In contrast, virtual reality is completely virtual and enhances fictional realities. As the metadata repository grows, it will create online spaces where user interactions are more multidimensional than current technology supports. Instead of viewing only digital content, users in the metadatabase will be able to immerse themselves in a space where the digital and physical worlds merge. With our project, a collective area where companies operating in various fields come together will be modeled in the metaverse (Technopark, AVM, Bazaar, etc.). The modeled area will be divided into specific parts and allocated to companies. The interior modeling of the allocated areas can be done according to the demands of the companies.

### **Algae Supported Air Purifier Oxygen Point**

Breathing clean air is of great importance for all living things. Diatoms and other microscopic algae in the oceans produce two-thirds of the world's photosynthetic carbon needs. Trees play a major role in ensuring that we breathe healthily in our daily lives. Algae have many different uses in the sector, and one of them is cleaning the air we breathe. The fact that green areas are replaced by reinforced concrete areas in the modernizing world has a negative impact on the availability of sustainable content for all living things. Although there is a lot of content about air cleaning, creating a sustainable model by taking advantage of the opportunities offered by nature and contributing to nature is important in terms of creating a renewable environment. Since the main working principle of our project includes a usage system based on seaweed, it will not only benefit from nature; since the seaweed can also be used as fertilizer after it is depleted, it will have the feature of mixing with nature again. Thus, it will be able to offer what it takes from nature as a contribution to nature in return. This system covers a green sustainability project to be developed for various environments by converting carbon monoxide, nitrous oxide and various particulate polluting gases into oxygen and biomass through photosynthesis as a result of processing.

### **Blockchain Based Video Conferencing Application**

Video conferencing systems are the communication center of the 21st century business world. Video conferencing applications, which were developed especially for the purpose of reducing the travel expenses of the business world, making time management efficient, etc., have become an inseparable part of social and professional life with the Covid-19 pandemic. However, it has been observed that video conferencing systems, which are the effective communication source of the business world that has evolved into a digital environment, sometimes fall short in terms of security.

Security violations such as interruption of sessions, unauthorized third-party access to corporate data, etc., called 'Online Video Piracy', have increased with the widespread use of these systems. Video conferencing applications (Zoom, WebEx and Skype), which encountered the first global bombing violations in 2020, have started to work with intelligence officers to ensure the data and identity security of their users. However, similar violations and unauthorized data sharing incidents continue today, and efforts to strengthen the security dimension of conference systems are also gaining momentum. Although end-to-end encryption and code generation are among the primary security measures in conference systems; there are still cases of third-party violations of meetings.

- Distance education
- Remote diagnosis
- Online exam
- Inter-institutional and intra-institutional interviews
- Human resources interviews
- E-judicial systems (witness hearing, remote interrogation)
- E-examination (medical diagnosis)

### **Development of Smart Public Transport Solutions in Urban Mobility**

The management of crowded populations in public transportation (PT-Public Transportation) systems is very important both to promote sustainable mobility by increasing the comfort and satisfaction of the user during the normal operation of public transportation systems and to cope with emergency situations such as pandemic crises or disaster management situations as it has been recently. Our project aims to increase the experience of both the user and the driver and the smart transportation systems in different segments of the public transportation system (buses/trams/trains, railway/metro stations and bus stops). In order to achieve our mentioned goal and to convey our project idea in a clear systematic perspective;

- A reference architecture for crowd management using modern information and communication technologies (ICT) will be created,
- A crowd-sensitive approach will be developed to monitor and predict crowd events and to provide real-time and adaptive operational control in transportation systems,
- Users will be informed about the crowd status of the public transportation system in real time through electronic screens and/or mobile transportation applications placed inside vehicles or at bus stops/stations,
- The Sensing and Actuator Subsystem (SAAS) will be created for passenger density detection, which can also be used in autonomous vehicles that will be part of public transportation systems in the near future.

It is anticipated that the innovative crowd management functions provided by ICT/IoT sensing technologies, which have been actively used and popularized in crowded urban areas for the last few years, can be gradually implemented as an add-on to the latest technology transportation system platforms. The most unique aspect of our system architecture is that thanks to the structure that allows passengers to book and pay for tickets via mobile application, a structure that reduces congestion at stations and stops, provides data for creating additional trips and alternative routes with real-time detection of congestion at stations and stops, and increases the experience for both public transportation system users and employees with effective crowd management.

## **Obtaining Sectoral Yield Forecast Using Machine Learning Techniques**

Rapid advances in the field of artificial intelligence have the potential to directly affect the economy and society as a whole. These innovations have significant effects in terms of product features, efficiency, employment and competition in both production and a wide range of products and services.

Today, computers, which have a power above human intelligence, have a very powerful structure in terms of examining data that humans cannot follow and the relationships between these data, matching these data with events and providing future predictions. In these days when innovation and digital transformation are increasing their popularity, various sectors are using this power to provide various benefits and this is the focus of our project.

During our project, while implementing our perspective that aims to provide productivity increase in different sectors; linear regression, Decision Tree, Random Forest, SVM (support vector machine) and Neural Network technique (artificial neural networks) LSTM (recurrent neural networks) methods will be used. The system to be developed will be able to perfectly fulfill its productivity-oriented function with data provided by different sectors regardless of the sector.

## **Deep Learning Based Boundary Detection Project**

Edge detection is a major problem in computer vision. It is different from edge detection, which finds the boundaries between light and dark pixels in an image. Edge detection finds semantic boundaries between what humans would consider to be different objects or regions of an image. For example, a zebra has many inner edges between black and white stripes, but humans do not see these edges as part of the zebra's border. A complete solution would include high-level semantic information about the scene in the image that computers do not yet have, which focuses on learning an approximate edge detection algorithm from training data.

The project aims to provide high-accuracy detection of the area to be examined/analyzed by performing edge detection on images. The project aims to speed up the work processes of individuals and institutions operating in the relevant sector and to minimize the time spent on the subject within the scope of the project.

Some areas of use of the project output:

- Determination of the borders of cultivated areas or lands by companies/institutions operating in the field of agriculture,
- Determination of the borders of pathology in the image by companies/institutions operating in the field of health,
- Determination of faulty areas in the product in the production line by companies/institutions operating in the field of industry,
- Determination of the rise and fall of water in dams or rivers by image processing and establishment of an early warning system by determining the possibility of flood.

The working method of the model to be developed;

1. The boundaries of the cultivated areas will be tried to be determined with the growing contour analysis based on the extraction of morphological features.
2. The rough delimitation of the areas will be provided with the contour analysis method.
3. The results obtained from the contour analysis will be able to be segmented more precisely with the fully convolutional neural network (CNN) that we will develop.

## **Framework Mobile Application Development for Shared Systems in Mobility**

Smart city technologies and transportation systems help cities reduce carbon emissions, cope with increasing populations, overcome congestion and create sustainable futures. Mobility, an important dimension of smart cities; brings together public, shared and active travel models with some improvements in public space and an identifying sign; parking spaces for shared bicycles, electric scooters, car sharing models and also public transport stations. In short, you can find a car, a bus, a scooter or a bicycle and even a metro station in mobility centers, and you can choose integrated vehicles according to your route.

Services called Shared mobility systems, which take their place in developing technology as a sustainable, affordable and innovative urban transport option that aims to provide short-distance travel options covering first and last kilometer journeys, include mini vehicles such as bicycles, skateboards and electric scooters that do not exceed 45 km per hour and help alleviate urban traffic congestion. According to the Electric Scooter Regulation, the speed limit is determined as 25 km/h.

The field of mobility as a service (MaaS), which is the creation of a single accessible mobility service by integrating different types of transportation services, is quite wide. It does not only serve transportation. At least four perspectives are clear. Software for personal use, public transportation, shared mobility services and commercial use. In the MaaS system, it interacts with many areas including transportation, communication, public, law and finance, especially information and software technologies. MaaS; provides the opportunity to manage the entire system from a single source by using a smartphone as a mobile device. Mobile phone is the initial stage of MaaS. MaaS, which has an interface that includes location-based service-connected vehicles and has the ability to be everywhere with multiple technologies such as wireless broadband, smartphones and smart tablets, makes it easier for people to plan, book and pay for a journey. The project output product will be an application covering all public transportation lines and mobility systems within the scope of MaaS. With this application, when a passenger wants to go from point A to point B, they will be able to access information from a single center such as which elements of transportation they can reach, where they can find each element, how long they will use the elements, and when they will reach their desired point. The application to be developed will provide access to all transportation infrastructures such as buses, taxis, rail systems, e-scooters, e-bikes, and car rental platforms. MaaS projects are generally found in developed countries in Europe, North America, and Asia. There is a high project density in Europe, especially Germany is leading more than one MaaS project. With the project, we aim to ensure that MaaS systems are widespread in our country and to prevent CO<sub>2</sub> gas emissions by creating environmental protection awareness in people.

## **Autonomous Flight Capability Development and Management System**

Similar to self-driving vehicles, autonomous flight describes aircraft equipped with technology that can independently navigate and travel distances. This term covers any aircraft that does not require humans at the controls, from small-sized unmanned aerial vehicles to passenger jets. The existence of physically related vehicles is an undeniable fact and has great importance and place in our lives. Modern aircraft have various features to fly without a pilot at the controls. In addition, many aircraft spend most of their flight time in the air flying by themselves. However, there is a big difference between this and autonomous flight. Modern aircraft follow a specific flight plan placed in the Flight Management System by the pilot and thus perform a flight in the configurations set by adhering to the relevant route. The aircraft is equipped to follow the flight plan but not to deal with problems that arise during the flight; these are events that require human reactions and are carried out by the pilot or co-pilot. The autonomous factor, in a way, includes an artificial intelligence that can think on its own and

react when events outside the flight plan occur. Eventually, they would be able to take off and land without a runway and deal with turbulence or engine problems without a human in the cockpit. Specifically for the project, this system includes developing autonomous flight integration to plan and organize flight paths and to enable the unmanned aerial vehicle to position itself and return to its starting point when there is no GPS signal. This system to be developed will contribute greatly to air traffic; by gaining the reaction capabilities of humans with the deep learning method, it will provide the ability to make the most accurate moves at points where human competence is slow or insufficient.

### **MIA-XR APP**

Intensive curricula and challenging surgical techniques due to time constraints in global health education processes put pressure on educators to help students achieve the required high levels of psychomotor skills in a short period of time. The concern that reducing the duration of surgery in the overly intensive curriculum of health care professionals may limit opportunities for trainees has led to the emergence of simulation techniques, which are frequently preferred in our world of increasing digitalization as a way to increase efficiency in the delivery of practical education. The most recent developments in this context are in the field of virtual reality (VR), defined as a computer-generated medical simulation of a 3-dimensional (3D) image or environment with which a student interacts, either seemingly real or physically. Simulation in health care has developed since the late 1960s, when mannequins were first introduced for anesthesia training, and the first simple laparoscopic simulators were developed in the 1990s, with the increasing interest in minimally invasive surgery. Today, the potential applications of digital technologies in the teaching-learning process have begun to be used in many areas of medicine. One of these new technologies, virtual reality (VR) technology, is also used in medical and dental education and has been rapidly becoming widespread as a teaching tool since the early 90s. VR technology represents an artificial simulation of a real-life environment using a computer, and this technology offers a virtual reality world by isolating the user from the real world.

### **MIA -VR App**

The use of digital three-dimensional (3D) models to aid teaching and learning in anatomy education has become widespread over the last decade. There are now several commercially available computer programs and mobile applications that provide useful complements to traditional anatomy education and allow users to interact with 3D models of human anatomy through rotation, magnification, and even virtual “dissection” (cutting apart the outside of an organism to examine its internal structure). In addition, several researchers and universities have created similar models for their own educational processes and have tested them with generally positive results on a variety of student populations. More recently, virtual reality (VR) has been explored by a number of institutions as a way for students to interact more with virtual models. For example, students who participated in VR simulation training using 3D digital models to teach students heart anatomy have gained more of the skills and knowledge they gained from existing mock-up model studies. VR simulation training, which is just beginning to become widespread in the medical world, is designed to replicate real-life surgical situations. By providing the type of operation or limited patient visual (body only), they are taught how to use surgical operation tools, how to apply new techniques and how to complete complex procedures. Current applications provide a risk-free area where the user can practice techniques and build trust with the virtual operating room and patient, and provide an environment that allows medical professionals to work together and work as a harmonious team. The general content of our project is the term 'Virtual Reality' (VR), which is the interaction with an artificial object or environment through computer software using immersive hardware such as Oculus Rift and HTC Vive headsets and a screen (HMD). As the educational scenario to be created in the VR environment, bone anatomy, which is the cornerstone of medical education, was selected. Bone anatomy applications

developed in the VR environment focus only on the anatomy of the skull (temporal region). The training scenario to be developed within the scope of our project will approach bone anatomy education from a holistic perspective, creating a training scenario consisting of the four main bone anatomy collections in the human body, including 'long, short, flat and irregularly shaped bones', and thus bringing a product that does not yet exist to the world of medicine and technology.

### **Deep Learning Based Image Processing Platform**

The most instinctive need of mankind is food. Today, ensuring food security for more than 7 billion people is a strategic necessity. According to the estimates of the United Nations, the world population will exceed 9 billion in 2050, and therefore, it is a necessity to manage the variability in the field and obtain high yields per unit area by using many analytical tools to increase the efficiency of agricultural operations. The focus of our project has become the implementation of our project, which will achieve success and prestige in the international and local markets by using digital and innovative technologies, and will contribute significantly to GDP by providing a competitive infrastructure for our country's agricultural production. Currently, agricultural monitoring is typically carried out with a variety of different approaches. Traditionally, fields and crops are manually inspected and monitored by producers using various agricultural tools. Field plowing, planting and pre-harvest controls are also carried out with the use of agricultural machines such as tractors. From a technological perspective; farmers use nitrogen sensors to calculate nutrient demands for fertilization while driving in the field. Although these approaches are still widely used by farmers operating in the field of agriculture, there is a need for technologies that can perform early detection with high accuracy rates driven by autonomous systems, and the demand for technological approaches that combine different and innovative technological steps is also increasing. Among these needs, satellites that can perform early pest/weed detection with image processing capabilities, Unmanned Ground Vehicles (UGVs) and Unmanned Aerial Vehicles (UAVs) stand out.

### **Development of Metaverse Based Educational Application**

The rapidly developing game culture, virtual world literature, rapidly increasing personal computer ownership rates, developing computer graphics tools, then developing games, the internet reaching all over the world, developing virtual reality and augmented reality technologies, blockchain and cryptocurrencies, developing server technologies, cloud computing and edge computing technologies have now introduced the concept of the metaverse into our lives. The parts of the metaverse and the technologies it is associated with are rapidly developing and it is thought that these technologies will become even more a part of our lives in the future. The positive impact and contribution of metaverse technology on educational processes is an indisputable fact. The rapidly increasing human population and the need to educate this human population and to train professional professionals in different fields are a necessity. This situation further reinforces the importance of virtual and augmented reality education in educational processes for training professional professionals from many different professional groups, from the field of medicine to the field of education, from the production sector to mining, and to emergencies. For example, it forces nurse educators to find innovative methods that will help nursing students develop and remember basic skills while ensuring patient safety. Thanks to the metaverse, where we can create a digital twin of the real world, we can move higher education institutions, a kindergarten or high school education to the virtual world and create its digital twin. VictoryXR (2021) stated that thanks to the metaverse, the door to a more robust campus can be opened for universities through virtual campuses. They also stated that virtual world interaction is also seen positively by parents, while parents do not like to pay for two-dimensional computer screen education for their students, they care about interacting with live lessons and real-time chats with professors on the digital twin campus and make more motivated payments. In addition, the company

stated that thanks to the digital twin, an instructor (such as a math, physics, chemistry teacher or professors) can actually be assigned to each student in the virtual world, and student activity and learning process can be improved thanks to the artificial intelligence technology that records user interaction in extended reality according to student characteristics and qualifications and applies behavior and scenarios accordingly.

### **MIA-ViewAR**

Outdoor navigation tools were not very popular in the initial stages. However, today this scenario has changed and many people cannot find their way without the help of these tools. Outdoor navigation tools are among the frequently used applications that save users time. The same applies to indoor navigation tools. The answer to the question of whether indoor navigation tools are important is positive. Several points supporting this answer are listed in the following sections. Indoor navigation, which forms the basis of our project idea, is a completely innovative idea and is quite suitable for the use of today's architecture, where most facilities such as offices, hospitals, campuses and shops are built in large areas. Once inside these facilities, it is a good idea not to rely on traditional paper maps, because these maps are difficult to use, time is lost while dealing with maps and this harms users' time management. For example, finding direction in a medium-sized facility visited for the first time takes users 13 minutes from an optimistic perspective. Innovative technology supporting indoor navigation provides endless possibilities. Organizations looking into indoor navigation tools envision a wide range of solutions including asset tracking in warehouses and hospitals, analytics for retail, and proximity or local marketing for retail/e-commerce. Utilizing these options will help businesses increase their return on investment and become more efficient. Additionally, indoor navigation tools have beneficial features for disadvantaged groups. For example, they can help the visually impaired find their way in large indoor facilities. In short, almost anyone can customize indoor navigation tools to their needs.

### **Smart Waste Management System**

Smart cities are a concept that we have frequently encountered in recent years. While transportation and energy consumption are of great importance in this regard, the steps of transformation into a smart city are gaining momentum with the addition of innovative infrastructure and equipment to cities with sufficient infrastructure. Making systems smart, especially in our metropolitan cities, is important in terms of both ensuring an accessible and healthy life for city residents and increasing investments with high environmental awareness. There are many examples of studies on smart urbanism in our country. It is known that smart city concepts have advantages such as both increasing the social level of the public and providing great savings in municipalities' costs. One of these advantage points is the integration of efficient waste collection systems into the infrastructures of cities. For example, in the current situation, all information such as where the waste management route passes, where the containers are, how many vehicles are used to collect the garbage is based on people's experiences. In addition, many municipalities do not even know how many containers they have on the field and where they are. However, as a result of making waste management systems created with experience smart with IoT devices; By achieving efficient route optimizations, it is possible to save on distance and time as well as vehicle, fuel, vehicle maintenance costs, personnel costs and depreciation. In addition, with optimized smart waste management systems, personnel control and management mechanisms can operate more proactively and public complaints can be responded to more effectively.

## **Implementation of Intelligent Transportation Systems**

The smart city concept, which envisages the effective use of Information and Communication Technologies (ICT) in order for cities to have a more effective and sustainable management approach, started to become widespread in the early 2000s. Especially in the infrastructure renewal and development processes, which are an important part of the smart transportation systems concept, 'smart intersection management' is increasing its importance with its features such as intersection density and vehicle counting, monitoring and management of the entire intersection from the central system, remote detection of malfunctions and taking precautions, etc., reducing traffic density and accidents, providing an effective traffic flow and control system, optimizing traffic waiting time and reducing carbon emissions. In today's transportation system, intersection management is one of the most difficult problems to solve. Existing traffic light systems cannot cope with the increasing urban mobility due to the growth of traffic volume, and this situation causes economic and environmental disadvantages, especially security. Smart intersection management is the new intersection management that emerged with the development of technology and communication environments. In these systems, all elements such as road users, infrastructure and traffic signal controllers have the ability to efficiently communicate and coordinate traffic flow in collaborative intersection management.

## **Fully Automatic Medicine Labeling Device**

The increasing cost of medicines in Turkey and around the world is both a major burden on health budgets and a threat to patient safety. In this context, various strategies and technological solutions have been developed to control medicine costs and increase patient safety. In particular, electronic monitoring of medicine management in hospitals is a subject where significant developments are experienced in these areas. Electronic monitoring of medicine movement is of critical importance for stock management and patient safety.

The software and hardware solutions developed are designed to detect and prevent incompatibilities and errors between prescribed medicines and those administered to patients. These systems perform the functions of recording, storing and analyzing prescriptions electronically, ensuring that medicines are administered to the right patient, at the right time and in the right dose. In addition, thanks to these technologies, it has become possible to manage medicine stocks in hospitals more effectively, thus aiming to both reduce costs and prevent medicine waste.

The "Fully Automatic Drug Labeling Device" planned to be developed within the scope of this project aims to develop the design and prototype of the device that will automatically label drugs in ampoules, vials and ready-made syringes for use in pharmacies within health institutions.

## **Management and End-User Software for Shared Electric Vehicles**

As a form of urban transportation, electric vehicles have been gaining popularity worldwide over the past few years. Many cities are focusing more on shared electric vehicle infrastructure to encourage increased use of mobility vehicles (e-bikes, scooters, etc.). While infrastructures for electric vehicles (charging stations, separate lanes, parking areas, etc.) continue to be created in cities, the development of sharing-based station location detection methods also adds significant benefits to users' mobility experiences. Shared mobility systems, which have taken their place in the developing technology as a sustainable, cost-effective and innovative urban transportation option that covers last-mile journeys and offers short-distance travel options, include mini vehicles such as bicycles, electric bicycles, skateboards, scooters, and electric scooters that do not exceed 25 km/h in speed, and help

alleviate urban traffic congestion. Our project proposal includes user software and management software for electric micromobility vehicles. The project content consists of Station Detection Model, Geo-fencing, Balancing, Virtual Station, Payment Systems and IoT technologies. In the Station Determination Model phase; the locations of the stations to be established with a strategic and optimal planning depending on the configuration and size of the city and by including the tendencies of the user audience in the process will be determined with route optimization. In the Geo-fencing phase; it is a virtual environment for the real world geographical region. In the Station Determination Model phase, users will not be able to go outside the determined diameter with Geo-fencing, and when they do, they will be responsible for leaving the vehicles at the nearest station. In the balancing phase; micromobility vehicles will be collected from the determined regions (areas with low usage) and brought to the densely used areas and the usage rate of the vehicles will be increased. In addition, if the current number of bicycles of the station is less than the optimal situation, the system will encourage the customer to another station according to the situation of the nearby stations and the walking distance. In the virtual station phase, users will be able to leave their vehicles within the determined diameter. Thus, regular and systematic parking spaces will be obtained and visual pollution will be prevented. In the payment system phase: The Mobile Application will allow online subscription, payment by credit card, and the use of public transportation cards used in the city. In addition, there will be a Wallet feature in the Mobile Application. In the IoT phase, information such as driving routes, duration, parking spaces, and vehicle charging status will be collected and analyzed using IoT sensors in vehicles, and this information will be transferred to the end user and management software.

### **Development of Maintenance Tracking and Analysis Application System with Radio Frequency**

In processes related to patient care services provided in hospitals, nursing homes and individual homes, quality measurement and follow-up of the work performed are currently carried out through forms filled out by responsible personnel. The system we want to develop will be able to measure whether the patient was visited by the caregiver at the relevant time within the scope of date and time information in order to provide an objective quality measurement and work process monitoring mechanism to the current procedure. The information obtained by the measurement to be carried out from different regions will be transmitted to a single center and/or to many related centers. In the database applications in the centers, work processes and service quality belonging to many regions can be evaluated and reported through measurement information.

The system we want to develop will be able to measure the current condition of the patient. In this context, movements and status information such as falling, leaving the care area, whether there is a person other than the patient in the care area, etc. can be measured. In this context, the obtained data can be transmitted to the center and the patient control can be provided from a distance. The system we want to implement can be used as an objective tracking and status analysis mechanism with machine evaluation independent of human participation. The system will facilitate the tracking of tasks carried out in many different regions. The evaluation will be carried out in the centers with real-time data transfer and can be reported. In this context, there will be no dependence on the human factor in the evaluation and reporting processes. There will be no use or storage of personal data in the operation of the system. The system will not need a sensor such as a camera, etc., and personal data such as photos and video images of the staff and the relevant patients will not be obtained or stored in any way. Our hospital information management system called "MIA-MED", which we developed as MIA Teknoloji, is currently actively used by 11 university hospitals. We plan to integrate the system we plan to obtain within the scope of this project into our hospital management system.

## **MIA-Clinic**

The patient participation approach adopted in our project idea development steps activates the role of the individual in health services, thus improving health services and treatment processes, achieving better health outcomes, reducing health service costs and determining more effective health policies.

With the development of mobile health applications, the contribution of patient participation to health processes has also increased. Thus, users can carry out processes such as instant and fast access to health information, creating appointments, and remote consultation with the doctor through the application. Within the scope of our project, users will access the personal health monitoring application with the mobile application called MIA-MED Clinic.

Our application will also stand out as an effective tool in preventive health services and serve as a guiding mechanism for chronic and metabolic (diabetes, high blood pressure, cardiovascular diseases, etc.) patients, which create the highest cost burden on the health system.

## **Development of Production Forecasting Model with Artificial Neural Networks for Renewable Energy Plants**

Wind turbines are devices that produce electrical energy using wind energy sources. Wind turbines have different energy production capacities depending on wind speed, turbine blade dimensions and turbine height. Wind speed is the most important factor that determines the energy given to the turbine blades. Wind turbines produce less energy at low wind speeds and more energy at high wind speeds. However, excessively high wind speeds can cause unwanted results such as damage or shutdown of the turbines. Predictions for wind turbines are generally based on measurements of wind speed, wind direction and other meteorological parameters. Analysis made with meteorological data are based on predictions of parameters such as weather forecasts, wind speed, wind direction and air temperature. These predictions are used to optimize turbine maintenance and energy production planning. They can also be used by automatic control systems used to increase the efficiency of wind turbines and prevent damage. The project output product will be a platform that will create a feasibility report for the user by performing meteorological and geophysical analysis of the region in order to model the 15-day production estimate in renewable energy plants. Storage systems that are mandatory for renewable energy plants must be planned in line with meteorological data and grid stability. Since the project output product has the ability to predict production, it will determine the energy storage capacity of the plant. Thus, the stability optimization of the network will be ensured. Maintenance and repair activities in renewable energy plants are of great importance to energy providers in terms of cost and time. Since the project output product performs 15-day production estimate modeling, it will provide planned maintenance by informing the user when maintenance and repair activities should be performed.

## **Cloud Based Energy Monitoring and Asset Management Application Development Project**

Due to the increasing population, industrial investments and the increasing prevalence of electric vehicles, the demand for energy is increasing day by day. Considering the climate change and the increasing cost of fossil fuels, the only way to meet the energy demand is renewable energy plants.

Electricity production based on renewable energy varies depending on seasonal conditions and hours of the day. In order to overcome this supply variability, the number of energy storage systems that store grid electricity and can transfer it back to the grid when needed is increasing worldwide. When the general problems in renewable energy plants are examined, the following results are obtained:

- The focus is only on energy production,
- Inability to evaluate the system holistically due to insufficient analysis tools,
- Inability to monitor instant energy production,
- Inability to plan the workforce adequately due to lack of advanced applications for maintenance and malfunctions.

The “Energy monitoring and Asset Management of Solar Power Plants and Solar Power Plants with Storage with Cloud-Based Application” project aims to develop an application that will overcome the problems mentioned above and increase plant efficiency. It will be a platform that digitalizes operation and maintenance processes in solar power plants, provides real-time monitoring and management, thus minimizing production losses. The application will have the following features;

- It will provide real-time monitoring of production plants on a single platform,
- It will offer the user a flexible system with its structure independent of brand and model.
- It will provide the user with the opportunity to customize alarm and warning situations, allowing rapid action to be taken for incidents in the field,
- It will keep the user up to date with periodic reports.

After the successful development of the project, architectural and software technologies that enable the definition, integration and monitoring of Wind Power Plants (WPP), Storage WPP, Hybrid Production Plants (WPP/SPP/HPP/Storage), independent storage facilities and energy trading modules will also be prepared in Phase-2.

### **MIA Smart Health**

There are different definitions for hospital information management due to the way it is used and developed in different countries. In Turkey, until 2016, the Ministry of Health defined all applications needed by hospitals as HIMS in the guidelines it published. Hospital Information Management Systems (HIMS) are comprehensive software systems used to manage all processes of health services, track patient health records and provide necessary data for hospital management. The main goal of our project is to further develop HIMS and increase efficiency and quality in health services.

### **Eco-mob**

The route optimization software project, which was developed to optimize mobility services and increase environmental sustainability, includes basic goals such as increasing customer satisfaction, increasing operational efficiency and reducing costs. The main goal of the project is to provide a better customer experience by simplifying battery replacement processes and maintenance/repair processes. It is also aimed to reduce environmental impacts by increasing the company's energy efficiency. The route optimization software facilitates data-based operational management, improves decision-making processes and supports long-term corporate sustainability goals. The project is seen as a comprehensive initiative that allows mobility vehicles to be responsible towards the environment and at the same time increase their competitiveness.

### **Kar-Dest**

This project that we will implement is planned as a decision support software that will enable us to examine the social, economic and environmental benefits that mobility sharing systems can provide on a city and country scale. This software will have features that will enable us to perform economic, health, environmental and public benefit analyses of bicycle sharing system applications on a city and country scale, and to analyze user behaviors. The aim of the system to be developed is to increase the use of sustainable transportation modes with the right investments. The basic framework of the project has been determined as being able to predict with high accuracy rates the benefit analysis of investment outputs in the integration processes of transportation systems on a city scale with mobility vehicles while they are still in the planning phase. In this context, it is aimed to develop a decision

support system based on big data with a multi-dimensional and holistic approach.

### **Mobi-tek**

In order to promote sustainable transportation in cities, a project will be developed to manage mobility systems more effectively. The project will respond to the need for efficient use and monitoring of these systems at a time when vehicles are becoming increasingly widespread as an environmentally friendly means of transportation. The project will enable all electric vehicles to be connected to each other under a central control system. This system will provide better management to users by monitoring the location, charge status, mileage data, lock data, sensor data, driving data, charging station data, emission data, availability and maintenance requirements of the vehicles in real time. All electric vehicles will be equipped with MobilityGPS and various sensors. These telemetry systems will monitor the current location and activity of the vehicles. Users will be able to easily find the nearest vehicles and make reservations through the application or online. The user experience will be enhanced within the scope of the project and this data will be integrated into the mobile application. Users will be able to easily rent a vehicle, check the status of the vehicles and plan their trips. The telemetry data collected during the project will be analyzed, allowing for more efficient distribution of vehicles and management of maintenance needs. This will help in more efficient use of resources. The project will aim to promote sustainable transportation in cities and reduce traffic congestion. It will also increase the reliability and usability of car sharing systems, encouraging users to use more environmentally friendly transportation options. New work will be carried out to make mobility systems more efficient and user-friendly. It will use a central control system and telemetry systems to track the location and status of vehicles in real time. It will also develop a mobile application that will make it easier for users to find and rent vehicles. The aim of the project is to promote sustainable transportation and reduce traffic congestion. This will be achieved by making vehicles more attractive as an environmentally friendly means of transportation.

### **Stream Soft**

Today, the rapid growth of cities and the increasing popularity of online shopping have increased the importance and complexity of parcel delivery. Therefore, our new project, which focuses on existing shared electric vehicles, aims to overcome these challenges. The project aims to create a delivery system with many two-wheeled and four-wheeled electric vehicle modes.

The main steps of the project are as follows:

**Vehicle Modification:** Existing shared electric vehicles already have an integrated basket or trunk, but if necessary, other modifications are made to increase carrying capacity and durability. **White Label Mobile Application Development:** Bringing users and service providers together via mobile application, integrating existing shared car rental platforms into the system, and implementing a mobile application where all processes related to delivery stages will be carried out.

**Distribution Monitoring and Management:** Creating a monitoring system for parcel delivery distributors to track the location of vehicles and manage them efficiently. Control of parcel deliveries. Monitoring of inspection and monitoring processes.

**Warehouse Optimization:** Organizing parcel warehouses and increasing the efficiency of warehouse processes by using automation technologies.

**Collaboration Network:** Creating a collaboration network with restaurants, markets and other businesses to make urban takeaway delivery more efficient.

**Sustainability and Environmental Impact:** Reducing carbon footprint, reducing air pollution and contributing to cities' environmental sustainability goals through the use of electric vehicles.

The project will greatly benefit both businesses and our cities by making urban takeaway delivery more environmentally friendly and efficient. Furthermore, the success of this project could lead to the development of future delivery methods and has the potential to set a standard in this area. The project is being carefully evaluated and implemented in terms of feasibility, cost-effectiveness and environmental impact.

### **Tripy Soft**

The project is a health software that combines multiple biometric data including facial recognition, fingerprint and finger vein scanning to provide authentication and identification capabilities. Features that combine data from different biometric sources will occur at various levels including scores and decision making. These biometric processes will create a more efficient system for many institutions and companies with improved accuracy, reduced false acceptance rates and lower false rejection rates. This project will be produced to optimize security and transitions in various environments such as fleets, production facilities, dealers, technical units. The project will also include driver identification processes for shared mobility vehicles in the future.

### **Tripy Link**

Today, rapid urban growth and population growth pose major challenges for the transport and logistics sector, necessitating the development of sustainable and efficient transport and storage systems. This project aims to effectively integrate electric vehicles and other electric transport vehicles into logistics and storage processes. In addition, energy storage solutions, such as lithium-ion batteries, will be used to increase energy efficiency.

### **Tripy Tech**

Innovative solutions are needed in response to evolving and changing customer needs as well as the need for manual processes or inadequate use of technology. These solutions should be able to respond to demands, bring all functions together, and offer speed, reliability and high efficiency in addition to developing technology. The Tripy - tech project aims to target all tasks that cannot be managed effectively with traditional methods. It is also aimed to improve processes that are currently managed manually and involve a large number of employees or visitors. This solution will benefit many institutions from mobility operators to local governments, public institutions to banks, shopping malls to universities, city hospitals to prisons, factories to private enterprises. Our company aims to develop solutions that will increase the efficiency and profitability of organizations by combining the needs and requirements of different departments outside the main activities of the institution with service quality.

### **AI Based Secure and Safe Framework for Public Transportation**

The aim of the project is to apply the "Artificial Intelligence Based Safe and Secure Public Transport Management System" to public transport to increase the safety and security of passengers and drivers. The objectives include monitoring the driver's attitude and driving behavior, monitoring the safety in public transport and public transport vehicles, and monitoring the health status of the shuttle vehicle or public transport bus, and sending alerts for adverse events such as weather and natural disasters (floods, etc.) as well as face tracking and anomaly detection with deep learning and image

processing. In the proposed system; the driver's behavior analysis will be performed by an AI-based software by analyzing the daily driving behaviors of the driver on the same route and in almost similar traffic conditions. The driver will also be monitored and evaluated with the 'Driver Monitoring and Risk Assessment Device' to be installed in the driver's cabin. Service doors for passengers during entry and exit will be monitored and recorded in the system database for instant and future analysis. The target users are public transport operators and drivers of the vehicles in question. Transportation users, including vulnerable groups, will benefit from this technology.

## **VR Speaking Club**

It is anticipated that Virtual Reality applications can contribute to language learning in communicative contexts and more entertaining learning compared to traditional models. On the other hand, it is stated that virtual reality applications are more advantageous than all other teaching technologies in terms of multimedia content and learning by doing, and that this will have a positive effect on reading-comprehension activities, learning new words and the permanence of the new words learned. Our project, which brings language learning to the virtual reality environment, aims to enable users to interact with their environment by practicing speaking around certain scenarios. Virtual reality will offer an interactive learning experience that will encourage users to develop their language skills in real-life scenarios. For example, scenarios focusing on daily life situations such as ordering at a restaurant or exchanging information at the airport will make the learning process more effective by simulating the practical use of the language. In addition, environmental interactions and social scenarios in the virtual environment will strengthen users' language skills while also allowing them to increase their cultural awareness. This project aims to strengthen users' language skills by supporting language learning in an interactive, entertaining and effective way.

## **AI Based Secure and Safe Framework for Public Transportation**

The aim of the project is to apply the "Artificial Intelligence Based Safe and Secure Public Transport Management System" to public transport to increase the safety and security of passengers and drivers. The objectives include monitoring the driver's attitude and driving behavior, monitoring the safety in public transport and public transport vehicles, and monitoring the health status of the shuttle vehicle or public transport bus, and sending alerts for adverse events such as weather and natural disasters (floods, etc.) as well as face tracking and anomaly detection with deep learning and image processing. In the proposed system; the driver's behavior analysis will be performed by an AI-based software by analyzing the daily driving behaviors of the driver on the same route and in almost similar traffic conditions. The driver will also be monitored and evaluated with the 'Driver Monitoring and Risk Assessment Device' to be installed in the driver's cabin. Service doors for passengers during entry and exit will be monitored and recorded in the system database for instant and future analysis. The target users are public transport operators and drivers of the vehicles in question. Transportation users, including vulnerable groups, will benefit from this technology.

## **AI Innovation in Smile Design**

There are various smile design protocols in cosmetic dentistry today. However, most clinicians want to use the simplest protocol and the most predictable results. It should always be remembered that there should always be a multi-factorial decision-making process in gummysmile cases and that the clinician should be able to treat patients with an individualized and interdisciplinary approach. However, there is now a perception that smile design software can be used as a marketing tool to sell the highest cost software to the final buyers rather than helping to understand the diagnosis-treatment options, etiological factors and determine the dental treatment needs of the patients. The use of AI software in this aspect has raised many ethical questions and issues that have received little or no attention until now. However, the fact that gummysmile (gummy smile), which is the main reason that pushes the individual to change his/her smile, is not addressed from a periodontal perspective in smile design applications on social media platforms and in the literature so far, mostly includes prosthetic, restorative and orthodontic treatment suggestions, constitutes the main framework of the writing of this project proposal. Because the removal of excess gums alone, without prosthetic, restorative and orthodontic treatments, offers periodontal treatments that reduce the visibility of the gums, change the form of the teeth, extend the clinical crown size of the teeth, allow the gingival levels to be symmetrical and, most importantly, prioritize the goal of being healthy by meeting the patient's expectations in line with the indication. \*\*When considered from this aspect, at this point, it has become necessary to proceed by keeping the terminology "smile design" and "gummysmile" separate from each other and to use the expressions "excessive gum appearance" and "gummy smile" more widely. With the innovative AI software in this project proposal, the perception that a patient needs to be treated with smile design, even though he/she does not need it or more than he/she needs (for reasons such as reaching the idealized beauty perception from the patient's perspective or the highest cost from the financial providers' perspective), will be made in accordance with the patient's age and treatment requirement ranking (in most cases, periodontal treatment is both the first choice and a treatment that should be done first). In this respect, it will provide economic and ethical contributions to the health sector.

## **EXPLORA (3D Object Visualization and Interaction Platform)**

The proposed project aims to transform users' interaction and viewing experiences with 3D objects using Microsoft HoloLens 2 and mixed reality technology. Users can examine various objects in a virtual environment through this advanced platform and observe every detail of these objects in real time. Users can emphasize important points, make explanations and take notes by adding marks on objects. This feature reinforces learning by increasing the flow of information, especially in education and design processes. The application is designed to help users better understand 3D models in various fields such as education, design and production. For example, students can better grasp complex topics in a mixed reality environment; designers can get user feedback and improve their products by seeing their prototypes in a real-world environment. In the production field, employees can learn assembly and maintenance processes more effectively using mixed reality, thus reducing error rates. This approach makes learning processes more effective by providing users with both a visual and tactile experience. Real-time interaction and feedback mechanisms enrich users' experiences and help them internalize information in a more meaningful way. As a result, this project stands out as a step that will radically change the way users access and understand information by making the best use of the opportunities offered by mixed reality.

## **Development of Artificial Intelligence-Based Solutions in the Diagnosis and Treatment of Gum Inflammation with the XGBoost Model**

Artificial intelligence appears in many areas of our lives with its problem-solving skills and solutions that make human life easier. Developments in hardware and software accelerate this process. Along with artificial intelligence, image processing technologies have also developed and can detect even the smallest details. These developments reveal how artificial intelligence and image processing methods can be applied in critical areas such as dental health. The increase in the human population and the need for high consumption have led to an increase in health problems. Especially in the field of dental health, the detection and treatment of gingivitis is of critical importance in terms of protecting

health. In this study, we investigate the solutions offered by artificial intelligence and image processing techniques to classify gingivitis conditions (healthy, mild, moderate, severe) using thermal mouth images. The models will be trained on the data obtained from thermal mouth images using the XGBoost image classification algorithm. In addition, the most appropriate hyperparameters will be determined with the Grid Search Optimization algorithm to increase the performance of these models and the effect of these hyperparameters on the performance of artificial intelligence models will be compared. This study will reveal the effectiveness of artificial intelligence and image processing methods in the early detection of gingivitis, which will make a significant contribution to the field of dental health.

### **Object Recognition in Unity with Tensorflow Lite**

In today's world, where access to information and digitalization are accelerating, artificial intelligence and deep learning technologies offer revolutionary solutions in different sectors. These technologies directly contribute to human life by optimizing processes in areas such as health, agriculture, industry and logistics, while increasing the effectiveness of data analysis and automation. Artificial intelligence systems accelerate decision-making processes and provide more accurate predictions with the ability to draw meaningful conclusions from large data sets. Deep learning algorithms play a critical role in solving complex problems such as image and object recognition. Developing efficient and optimized solutions, especially on mobile devices, has become a strategic necessity in terms of responding to today's digital needs. The Object Recognition Project in Unity with TensorFlow Lite and YOLO aims to both increase performance and ease of use by optimizing object recognition technology on mobile devices. Object recognition technology on mobile devices is of critical importance in data processing processes today. Large amounts of data must be processed quickly and accurately in areas such as agriculture, health, smart cities and industrial production. At this point, optimized artificial intelligence libraries such as TensorFlow Lite and fast object recognition algorithms such as YOLO (You Only Look Once) come into play. TensorFlow Lite is specifically optimized for mobile devices to run deep learning models with low power consumption and high performance. YOLO is an object recognition algorithm that provides fast and accurate recognition of objects. While TensorFlow Lite draws attention with its ability to work efficiently on different hardware accelerators such as CPU, GPU and NPU, YOLO offers fast and real-time object recognition capabilities. Techniques such as model quantization provide great advantages in terms of memory usage and processing time. At the same time, it offers low latency for real-time object recognition applications; this plays an important role in augmented reality (AR) applications, industrial automation and other critical areas. With these technologies, high-accuracy object recognition operations will be performed despite the limited hardware resources of the devices, and effective solutions will be offered in a wide range of applications. The main objective of our project is to develop an object recognition system that works on mobile devices with TensorFlow Lite and YOLO, and to present a solution that offers low energy consumption and high efficiency. This solution will be a technology that can be used in many different areas such as augmented reality (AR) applications, mobile games, industrial tracking systems and agricultural analysis.

## 5. MARKETS/SECTORS OF OPERATION

### 5.1 Identification & Verification

It refers to the processes of determining the identities of individuals and verifying these identities. These processes are used for purposes such as ensuring security, authorization and controlling access. These technologies include biometric, card and mobile technologies. The technologies frequently used in identity recognition and verification processes are given in detail below:



**Face Recognition:** Identifies the person by analyzing their facial features. Face recognition technology scans the face through cameras, determines the features and performs identity verification by comparing them.

**Iris Recognition:** Verifies the person's iris pattern. Iris is the colored ring in the eye that is unique to individuals. The iris recognition system scans the iris pattern, determines the unique features and performs identity verification.

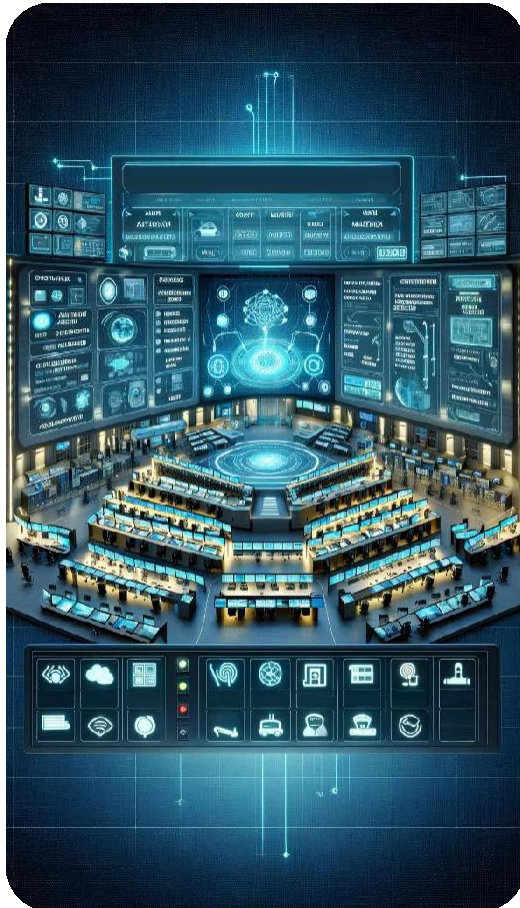
**Fingerprint Recognition:** Verifies the person's fingerprint. Fingerprints are unique patterns found on the skin surface of the fingers. Fingerprint scanners provide identity verification by reading these patterns.

**Finger Vein Recognition:** Verifies the person's finger veins. Finger veins are the vein patterns found inside the fingers. This technology scans the finger veins, determines the unique patterns and performs identity verification.

**Mobile Recognition:** It is the identity verification process performed using mobile devices. This method is usually integrated with biometric technologies and allows users to use their smartphones or other mobile devices for identity verification.



**Smart Card:** A card-based technology used for identity verification. These cards contain personal information and the information required for identity verification. Smart cards read information and perform identity verification through magnetic strips, chips and other technologies. Identity recognition and verification technologies provide secure and fast authorization in various areas, from access control systems to payment systems. These technologies play an important role in the protection and security of personal data.



## 5.2 Integrated Facility Security and Management

Integrated facility security and management is a collection of systems that allow the security and management of one or more facilities to be monitored and controlled through a single structure. These systems include the integration of various technologies and subsystems and aim to increase the operational efficiency of the facility, ensure security and use resources more efficiently. The systems frequently used in integrated facility security and management are detailed below:

**Access Control Systems:** These are systems used to control access to specific areas within the facility. These systems usually control the passage of personnel or visitors using technologies such as card access or biometric authentication.

**Surveillance and Area Management with Cameras and Sensors:** These are systems that allow surveillance and monitoring of various areas of the facility using cameras and sensors. These systems can also help with area management by monitoring various parameters.

**Personnel Attendance Control System:** These are systems used to monitor the working hours and attendance status of personnel. These systems usually record the entrances and exits of personnel using card or biometric authentication methods.

**Vehicle Recognition, Passage and Parking Management:** These are systems that allow vehicles to be recognized within the facility, their passage to be controlled and the parking lot to be managed. These systems generally use license plate recognition technology to recognize vehicles.

**Cafeteria and Payment Management:** These are systems that facilitate the management and payment processes of cafeterias or dining halls within the facility.

These systems generally allow payment to be made via cards or mobile devices.

**Lighting, Air Conditioning and Fire Systems:** These are systems that monitor and control lighting, air conditioning and fire detection/extinguishing systems within the facility. These systems generally work with automatic controls and aim to increase energy efficiency.

**Kiosk, Printer and Elevator Management:** These are systems that monitor and manage kiosk machines, printers and elevators located within the facility. The purpose of these systems is to facilitate users' efficient use and maintenance of these devices.

Integrated facility security and management systems are important tools used to optimize and coordinate security and operational processes in facilities. These systems play a critical role in ensuring personnel safety, effectively utilizing resources and increasing the overall efficiency of the facility.



## 5.3 Critical Facility Security and Management

Critical facility security and management includes various technologies that aim to keep a specific area, facility or building under control and ensure its security. These systems are used to protect against various security threats and minimize potential risks. They also allow different security technologies to be integrated and managed through a single platform. Here are the details of the technologies frequently used in critical facility security and management:

**Access Control Systems:** These are systems used to control access to certain areas within the facility. These systems are used to prevent unauthorized access and allow only designated personnel or visitors to enter certain areas.

**Surveillance and Area Management with Cameras and Sensors:** Provides continuous surveillance and monitoring of various areas of the facility using cameras and sensors. These systems also support area management with features such as motion detection.

**Drone and Anti-Drone Systems:** Drone technologies are used to monitor critical areas from the air and ensure their security. At the same time, anti-drone systems can be integrated to prevent unwanted drone entries.

**Perimeter Security Radar System:** Radar-based systems are used to detect and monitor movements around the facility. These systems are used to identify potential

threats outside the facility's boundaries and provide early warning.

**Restricted and Special Authorized Area System:** These are systems used to control the entry of people with limited or special authorizations to certain areas. These systems are used to limit access to sensitive data or critical infrastructure and ensure the implementation of strict security protocols.

Critical facility security and management systems are vital for the protection and security of critical infrastructures. These systems are equipped with features such as rapid response, risk management and continuous monitoring, providing an effective defense against possible threats.

## 5.4 Integrated Environment Monitoring, City Monitoring and Intelligent Traffic Control Solution

This solution provides a platform that can be used for environmental monitoring, city monitoring and smart traffic control inside and outside the facilities. Solution features:

**Field and Area Management:** It provides monitoring and management of various areas inside and outside the facilities. Thanks to this feature, the security status in different areas can be monitored and intervened when necessary.

**Camera and Sensor Management:** It provides management of cameras and sensors in the facilities and in the city from a single center. In this way, the surroundings of the facilities and the general security status of the city can be continuously monitored.

**Person Face Recognition and Tracking:** It provides early detection of security threats in crowded areas with face recognition and tracking feature. It is especially used for monitoring and tracking of suspicious people.

**Monitoring, Early Warning and Notification:** If anomalies are detected, warnings are given quickly and relevant people are informed. With this feature, potential security breaches can be determined in advance and precautions can be taken.

**Geographic Information System Integration with Person Movement Analysis:** Person movements are analyzed by integrating with the geographic information system. In this way, person movements in a certain area can be tracked and abnormalities can be detected.

**Electronic Control System:** Traffic is monitored in city centers and highways and vehicles are recognized. This feature increases traffic safety and ensures more efficient management of traffic.



**Smart Intersection and Signaling:** It provides intelligent management of traffic signals. In this way, traffic flow is optimized and traffic accidents are prevented.

**Vehicle Plate, Brand and Color Recognition:** The plates, brands and colors of passing vehicles are recognized and tracked. This feature helps detect wanted vehicles and potentially dangerous vehicles.

**Command Control and Data Center Installation:** It allows all systems to be managed from a central control point. In this way, it is possible to collect, analyze and intervene in all data.

This integrated solution can be used to secure facilities, make cities safer and optimize traffic management. In addition, the data center and command control center required for the installation and management of the solution are also provided.



## 5.5 Integrated Electronic Fee Collection Solution

- The integrated electronic fare collection solution offers traceable payment methods to solve time and money problems in transportation. This solution can be used in different usage scenarios such as public transportation, shared car rentals and toll booths. Here is the solution content:

### Payment Methods for Public Transportation:

- QR Code: Passengers can make payments by scanning QR codes when boarding public transportation vehicles or purchasing tickets.
- NFC (Near Field Communication): Payment systems integrated with NFC-enabled devices allow passengers to make contactless payments using their cards or smartphones.
- Code Methods: Passengers can benefit from public transportation services using special codes they receive.

**Car Shared Rental and Service Payments:** Passengers can use electronic payment methods when using or paying for car shared rental services. This enables easy and fast payment of car rental and services.

**Payment at Contracted Sales Points:** Thanks to agreements made with certain stores or sales points, passengers can also make their payments at these points. This can be used for a wide range of purposes, from daily shopping to food and beverage expenses.

**Mobile Wallet and Inter-User Money Transfer:** Passengers can make their payments using mobile wallet applications via their smartphones. They can also make payments to other users by transferring money between users.

**Integration and Management:** This solution integrates all payment methods on a single platform and makes them traceable under a central management. In this way, usage data can be monitored, reports can be received and payment systems can be managed when necessary.

The integrated electronic fare collection solution improves user experience by facilitating payment transactions in the transportation sector and enables transportation to become more efficient. This solution also increases security by reducing cash usage and optimizes transaction processes.

## 5.6 Safe Public Transport Solution

Safe public transportation solution is a system developed to detect abnormal situations that may occur in the driver's cabin and passenger area of public transportation vehicles and to transmit them to the control center. This solution is used to increase the safety of passengers and to quickly intervene in unusual situations. Here is the solution content:

### Driver Cabin Monitoring:

- **Eye Monitoring:** The driver's eye movements are monitored via cameras and abnormal situations such as prolonged gazes or lack of blinking are detected.
- **Fatigue and Sleep Detection:** If the driver exhibits signs of fatigue or sleep, the system provides a warning and information is sent to the control center.
- **Smoking and Phone Use:** Driver's distracting behaviors such as smoking or using a mobile phone are detected.
- **Looking Away from Driving Detection:** Situations where the driver's attention is diverted from driving are detected and a warning is given.

### Passenger Area Monitoring:

- **Fight and Argument Detection:** Signs of fight or argument are detected through cameras in the passenger area and transmitted to the control center.
- **Passenger Counting and Occupancy Detection:** Passenger count and vehicle occupancy rate are determined with advanced image analysis technology.
- **Age and Gender Analysis:** Demographic data is obtained by determining the age and gender of the passengers.
- **Door Crash and Accident Detection:** Incidents such as door crashes or accidents occurring in the



passenger area are detected and information is instantly transmitted to the control center.

**Integration and Notifications:** This solution transmits detected abnormal situations to a central control center, allowing operators to intervene quickly. In addition, problems are quickly detected and resolved thanks to automatic alerts and notifications.

Safe public transport solution is a comprehensive system developed to increase the safety of passengers and drivers. This solution increases the safety and efficiency of public transport services by quickly detecting and responding to abnormal situations.



## 5.7 Shared Electrical Vehicle Rental Solution

The shared electric vehicle rental solution offers users an electric vehicle rental service to promote a sustainable transportation method. This solution aims to make urban transportation more sustainable by providing the sharing of environmentally friendly transportation vehicles such as electric vehicles and electric bicycles. Here is the solution content:

**Electric Bicycle Rental Service and Business:** A rental service and business infrastructure are provided so that electric bicycles can be easily rented by users. Users can rent electric bicycles via an application or subscription card and leave them when they are done.

**End User and Management Software:** Functions such as car rental, payment, vehicle finding and trip planning are provided for users through mobile applications or web interfaces. In addition, management software such as field management, operation monitoring and reporting are provided for business owners and managers.

**Field and Operations Management:** Operational management is provided to ensure that electric vehicles can be used and maintained effectively in the field. Operational functions such as vehicle location tracking, battery status monitoring, maintenance programs and emergency response services are included in this scope.

**Integration and Installation Services:** Integration and installation services are provided to provide customized solutions according to the needs of customers. In this context, technical services such as hardware installation, software integration, data management and inter-system communication are provided.

Shared electric vehicle rental solution contributes to making urban transportation environmentally friendly and sustainable. While providing easy access and usage for users, it also offers an effective vehicle management and income model for business owners. This solution is an important step to reduce traffic congestion in cities and minimize environmental impact.

## 5.8 Electrical Vehicle Charging Solutions

Electric vehicle charging solutions provide users with charging services for electric vehicles in order to contribute to sustainable transportation and reduce carbon emissions. This solution encourages the use of electric vehicles and creates the infrastructure to enable users to use their electric vehicles comfortably in their daily lives. Here is the solution content:

**AC and DC Electric Vehicle Charging Station Installation:** The installation of AC and DC charging stations is carried out according to different needs and usage scenarios. While AC charging stations are generally used in homes and offices, DC charging stations provide faster charging and are usually found in public areas and on the side of the road.

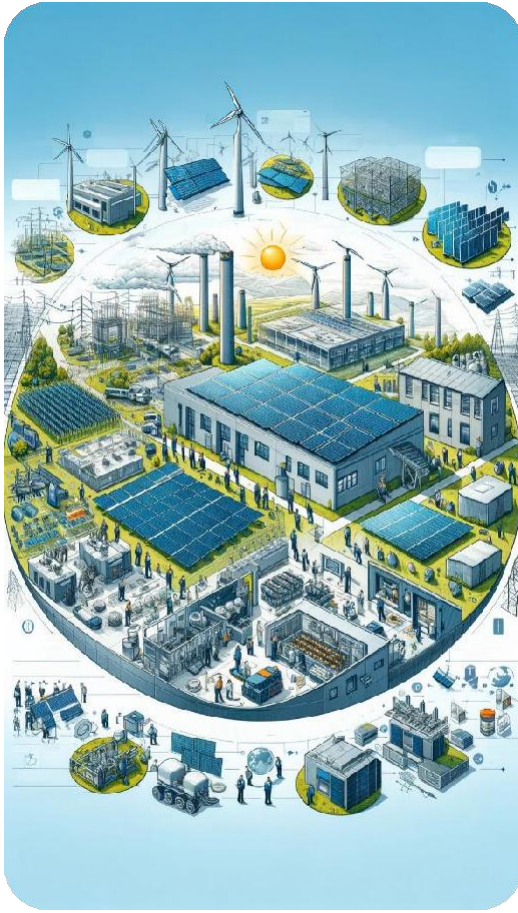
**End User and Management Software:** Functions such as finding charging stations, starting charging, and making payments are offered to users through mobile applications or web interfaces. In addition, management software such as charging station management, data analysis, and reporting are provided for business owners and managers.

**Installation and Infrastructure Service:** Installation and infrastructure services of electric vehicle charging stations are carried out by professional teams. In this context, technical operations such as the assembly of the stations, electrical connections, and infrastructure arrangements are carried out.

**24/7 Maintenance and Repair Service:** 24/7 maintenance and repair service is provided for the continuous and reliable operation of charging stations. Within the scope of this service, regular maintenance, fault detection and rapid intervention are carried out.

Electric vehicle charging solutions contribute to reducing environmental impact by encouraging the use of electric vehicles. While providing easy access and use for users, it also creates an effective charging station management and income model for business owners. This solution makes a significant contribution to the creation of a sustainable transportation infrastructure.





## 5.9 Renewable Energy Solutions

Renewable energy solutions aim to exist in every field of developing solar and wind energy systems and to develop the solutions needed. These solutions aim to ensure environmental sustainability and meet the energy need by encouraging the use of renewable energy sources. Here is the solution content:

**Project Development and Engineering:** The development of renewable energy projects and management of engineering processes are carried out by expert teams. This includes steps such as planning, design, analysis and implementation of the project.

**Supply and Construction:** The supply and construction processes of equipment used in renewable energy systems are carried out in cooperation with reliable suppliers. During the construction phase, assembly, installation and testing processes are meticulously followed.

**Asset Management:** Asset management services are provided for the effective management and maintenance of renewable energy systems. In this context, operations such as system monitoring, performance analysis, maintenance planning and spare parts management are carried out.

**Energy Storage System:** Energy storage systems are integrated to use renewable energy sources efficiently. These systems are necessary for storing excess energy and using it when needed.

**Energy Management System:** Energy management systems are used to effectively manage and optimize renewable energy systems. These systems balance energy production, storage and consumption and increase efficiency.

**Finance Solutions and Investment:** The financing and investment processes of renewable energy projects are managed by expert teams. In this context, processes such as project financing, risk management, cost analysis and investment return calculations are carried out.

Renewable energy solutions offer a comprehensive approach to ensure environmental sustainability and meet energy needs. These solutions are an important step for a cleaner and more reliable energy future by encouraging the use of renewable energy sources.

## 5.10 Health IT Solutions

Health informatics solutions facilitate the medical, administrative, financial and legal processes of hospitals, while also playing an integral role in the country's health system. These solutions aim to increase the operational efficiency of healthcare professionals and provide patients with easy access to healthcare services. Here is the solution content:

**Operational Efficiency Improvement:** Health informatics solutions aim to increase the operational efficiency of healthcare professionals. This digitizes processes such as appointment scheduling, patient record management, medical imaging, and laboratory result monitoring, making them more efficient.

**Simplifying Patient Processes:** The solutions simplify patients' hospital and health system processes. This increases patient satisfaction with applications such as online appointment scheduling, telemedicine services, and digitalization of medical reports.

**Revenue Generation and Efficiency:** Health IT solutions increase the revenue generation and efficiency of hospitals by easily serving large bed counts. This increases occupancy rates by providing faster and more efficient patient care.

**Integrated Management and Software:** Solutions are integrated and managed to meet all administrative and software needs of hospitals. This combines all processes such as patient records management, medical stock tracking, personnel management on a single platform.

**Country Health System Integration:** Health informatics solutions have a scalable structure for each country by providing country health system integrations. This facilitates data sharing of different health institutions and increases coordination of health services.

Health informatics solutions provide a better experience for both healthcare professionals and patients by ensuring more effective and efficient management of hospitals and health systems. These solutions also support public health by increasing the accessibility of healthcare services.





## 5.11 Immersive Technologies

Metaverse technologies include advanced technologies such as virtual reality (VR), augmented reality (AR), and mixed reality (MR). These technologies offer solutions to the needs of various sectors such as education, sales, and marketing. Here is the solution content:

**Remote Maintenance with AR and MR:** Augmented reality and mixed reality technologies facilitate remote maintenance processes. Experts can perform remote problem detection and provide guidance using AR and XR technologies.

**Maintenance and Repair with Object Recognition with AR and XR:** Augmented reality and mixed reality technologies can be used to recognize objects and detect errors. This speeds up maintenance and repair processes and increases work safety.

**Interior Imaging with AR:** Augmented reality technology can be used for interior imaging. In this way, engineers and architects can examine their projects in more detail and detect design errors in advance.

**Lidar-Based Mapping with AR:** Augmented reality technology can be used for lidar-based mapping, creating detailed maps of complex environments and improving navigation processes.

**VR for Vocational Training and Work Safety:** Virtual reality technology can be used in the field of vocational training and work safety. Employees can practice by simulating real-world scenarios in virtual environments and learn how to deal with risky situations.

**VR Education Class:** Virtual reality technology can bring traditional education classes to the virtual environment and provide students with an interactive and participatory learning experience.

**VR 360 Tour:** Virtual reality technology allows users to virtually tour spaces by offering a 360-degree tour. This is often used in the real estate industry to provide virtual tours of properties.

Immersive technologies aim to transform business processes and experiences in various sectors and provide services in a more effective, efficient and interactive way. These technologies can become even more widespread in the future and greatly change the business world and daily life.



## 5.12 Information Technologies and Security Services

We offer various services to meet the needs of organizations regarding their IT infrastructures and to ensure information security. These services include:

**Information Security:** We provide consultancy services to analyze the information security needs of organizations and determine and implement the necessary measures. In this context, services such as KVKK and GDPR consultancy, ISO 27001 BGYS consultancy, ISO 27701 KBYS consultancy and information security training are provided.

**Cyber Security:** We offer cyber security solutions to protect organizations against cyber attacks and analyze their vulnerabilities. In this context, services such as endpoint security with machine learning and artificial intelligence-based systems, firewall services, log management and SIEM, penetration testing, data loss prevention, cyber security training and consultancy are provided.

**Information Technologies:** We offer various information technology services to manage and develop the IT infrastructures of organizations. In this context, services such as IT support, cloud computing services, network configuration, system installation and configuration, data center installation are provided.

The combination of these services helps organizations securely manage their IT infrastructure and meet their needs.

## 5.13 Sectoral Forecasts

Despite challenges such as cyber threats, economic uncertainty, and the limitations of existing systems, the technology sector continues to focus on innovation, digital transformation, and the strategic adoption of new technologies like 5G. Data from various reports has been compiled. A summary of this data is provided below.



**Innovation and 5G Adoption:** Ericsson's latest research highlights the transformative potential of 5G for Turkey. According to forecasts, 5G is expected to account for 60% of total subscriptions in the Middle East and North Africa (MENA) region by 2030, driving continued growth. Ericsson's forecasts highlight consumers' expectations for improved network performance. Globally, 35% of 5G users are willing to pay a premium for guaranteed high-quality connectivity. According to Ericsson's June 2025 Mobility Report, the number of 5G subscribers globally will surpass 2.9 billion by the end of the year, accounting for one-third of all mobile subscriptions. The forecast for 6.3 billion 5G subscribers by the end of 2030 remains intact.

[Ericsson Mobility Report June 2025](#)



**Generative AI Investments:** According to research in the 2025 edition of the EY Future of Industries Survey, companies globally are investing more in emerging technologies every year and expanding their pilot deployments. Innovative technologies like generative artificial intelligence (GenAI), 5G, and edge computing are reshaping the future of business, and this rapidly evolving environment is also changing the relationships between businesses and their information and communications technology (ICT) suppliers. The research indicates that corporate investment momentum in emerging technologies remains strong, with investment in generative artificial intelligence (GenAI) increasing from 43% globally last year to 47% this year, with nearly half of enterprises investing in this field.

[EY Reimagining Industry Futures study 2025](#)



**Uncertainties and Strategic Directions:** Deloitte's 2025 Technology Industry Outlook report notes that the technology sector continues to navigate an increasingly complex risk environment shaped by cybersecurity threats, geopolitical tensions, and climate-related challenges. The report notes that the technology sector is rapidly evolving, and by prioritizing security, reliability, and trust—both in internal processes and through customer-centric solutions—companies have the opportunity to improve their operations and drive growth for years to come.

[Deloitte, 2025 Technology Industry Outlook](#)

According to the McKinsey Technology Trends Outlook 2025 report, by fostering collaboration, bridging ecosystem gaps, and creating a long-term vision, leaders who accelerate technology adoption can position their organizations to drive the next wave of technological transformation. Agile leaders will not only create new value but also shape the future of their industries and today's emerging technologies. From the rise of robotics and autonomous systems to the necessity of responsible AI innovations, this year's technology advancements highlight a future where technology will be more adaptable, more collaborative, and more integral to solving global problems.

McKinsey Technology Trends Outlook 2025

## **6. DEVELOPMENTS AS OF THE FIRST QUARTER OF 2026**

Our subsidiary, Tripy Mobility Teknoloji A.Ş., has signed a Letter of Intention with Valeo Service and VoltR regarding the sustainable management of batteries used in electric micromobility fleets. Valeo Service is a globally operating industrial group in the automotive and electric mobility sectors, while VoltR is a technology company specialized in battery repair, refurbishment, and remanufacturing. The aforementioned Letter of Intention demonstrates the parties' commitment to long-term cooperation and establishes a framework for collaboration in line with Tripy's sustainability vision for managing electric bicycle batteries through a repair, refurbishment, and remanufacturing (3R) approach. The cooperation aims to increase resource efficiency, reduce carbon footprint, and integrate circular economy principles into the operational model. Within this scope, our Company aims to position itself not only as a mobility operator, but also as a long-term business partner developing responsible and scalable solutions together with public institutions, industrial organizations, and technology stakeholders.

Within the scope of the share buyback program approved at our Extraordinary General Assembly Meeting held on 17.12.2025, and in order to support the healthy price formation of our Company's shares in the equity market, our Company repurchased MIATK shares with a total nominal value of TRY 3,500,000 on Borsa Istanbul on 27.01.2026 at a price range of TRY 37.86-39.98 per share (weighted average: TRY 39.18). The repurchased shares correspond to 0.7085% of our Company's capital.

The software project titled "Pedal Assist (PAS) Domestic Shared Electric Bicycle" was approved with a project start date of 01.01.2026 following the notification communicated by Gazi University Technopark Management on 27.01.2026. The project budget amounts to TRY 4,250,000.00, and upon completion within 6 months, the developed solution will be designed as a pedal-assisted (PAS - torque sensor-based), throttle-free, software-manageable system with a maximum motor-assisted speed of 25 km/h, replaceable batteries, and vandal-resistant features. The project aims to establish a domestic micromobility platform that contributes to reducing carbon emissions by providing sustainable urban transportation solutions. Within the scope of the project, R&D activities have commenced in the shared bicycle market, which reached approximately USD 4-10 billion in 2025 and is expected to grow to USD 4.5-10.6 billion in 2026. The e-bicycle segment is considered the fastest-

growing component of the market. Focused on sustainable urban micromobility, the project is expected to directly open opportunities primarily in the sectors of tourism, logistics/last-mile delivery, corporate employee transportation, university/campus mobility, and public transportation integration. Furthermore, it is anticipated to create expansion opportunities in the fields of smart city solutions, green energy, and data-driven transportation analytics.

Our Company, MiA Teknoloji A.Ş., is a recognized supplier of the NATO Communications and Information Agency (NCIA). Building upon the experience gained through the successful execution of the Ship Shore Ship Buffer (SSSB) project in the United Kingdom, the Netherlands, and Greece by the business partnership in which our Company is involved, a proposal file has been submitted for the “Web Asset Security Assessment (WASA) Grey Box Web Penetration Testing” cybersecurity tender issued by NCIA. With this development, it is expected that our Company will further strengthen its visibility in international markets, diversify its project portfolio, and positively contribute to its medium- and long-term growth strategies within the scope of NATO Communications and Information Agency (NCIA) and NATO Support and Procurement Agency (NSPA) tenders, in which the Company already possesses significant competence.

The “Mixed Reality-Based Remote Technical Support System for Mining Sites” project was approved with a project start date of 01.01.2026 following the notification communicated by Gazi University Technopark Management on 29.01.2026. The project budget amounts to TRY 15,500,000.00, and the project is expected to be completed within 24 months.

Within the scope of this project, a mixed reality (XR)-based remote technical support system will be developed to make maintenance, repair, and technical support processes in open-pit and underground mining sites safer, faster, and more efficient. Through the system to be developed, technicians working in mining sites will be able to connect in real time with expert engineers located at the central office via mixed reality glasses, enabling malfunction, maintenance, and installation processes to be carried out remotely without leaving the field.

The software project titled “On-Vehicle Driving Hardware and Software Integration R&D Project for Tripy Mobility” was approved with a project start date of 01.02.2026 following the notification communicated by Gazi University Technopark Management. The project budget amounts to TRY 37,450,000.00, and the project is planned to be completed within 12 months. Within the scope of the project, the vehicle will be transformed into a comprehensive R&D and testing platform by being equipped with sensors, control units, embedded systems, and software components. This transformation process encompasses an end-to-end engineering effort ranging from hardware placement to software architecture. Accordingly, the vehicle will evolve from being a simple means of transportation into an integrated research and development system where driving technologies are tested.

Our Company has completed the invoicing processes as of today regarding the Phase 2 and Phase 3 activities carried out within the scope of the cooperation with OKI under the critical transportation

infrastructure project. Within this framework, invoices totaling TRY 2,704,516 have been issued for the relevant activities, and this invoicing constitutes a continuation of the Public Disclosure Platform (KAP) announcement made by our Company on 26.12.2025. Within the scope of the strong cooperation maintained with OKI, efforts toward progressing the project in line with the planned schedule are being carried out with determination.

Within the scope of our Company's strategy to enhance international business development and strengthen its presence in global markets, a long-term cooperation agreement with a total value of USD 4,200,000 was signed on 17.11.2025 with an energy company established in the brotherly Republic of Kyrgyzstan, in which the State of the Republic of Kyrgyzstan is also a shareholder.

The project covers the provision of security for energy fields, the establishment of artificial intelligence-supported mining and oil field management systems, and the implementation of advanced technology solutions developed for the energy sector. It is expected to significantly enhance our Company's technical capabilities and competitive strength in international markets within this field. Within this scope, an order amounting to USD 310,000 was received on 17.11.2025 as the initial phase of the agreement. As of 12.02.2026, the relevant order has been successfully completed, delivered, invoiced, and collected. Following the completion of the first phase as planned, work related to the subsequent phases of the project is ongoing, and the gradual implementation of the contracted services is targeted.

Tripy Mobility Teknoloji A.Ş. obtained a 10-year Shared Electric Bicycle Operating License from the Istanbul Metropolitan Municipality on 16.02.2026. Operating in Istanbul, one of Europe's largest metropolitan cities with a population of approximately 16 million, represents one of the strongest indicators of Tripy's scalable business model and operational strength.

With this license:

Tripy will increase the total population it serves in Türkiye to over 30 million.

Our Company's long-term, predictable, and sustainable revenue model will be further strengthened.

It will serve as a significant reference point in carrying our position in the mobility sector to the global stage.

Thanks to the 10-year operating period, strong visibility will be achieved in terms of cash flow and return on investment.

The Istanbul operation will be implemented through our advanced technology fleet management systems, data-driven artificial intelligence-supported optimization infrastructure, and highly efficient operational model. This development further confirms that Tripy is not only a mobility initiative, but also a strong technology and infrastructure company capable of managing large-scale urban operations globally.

As part of the expansion of smart and shared electric bicycle solutions, Tripy Mobility Teknoloji A.Ş. signed a Sales, License, and Service Agreement on 23.02.2026 for a total amount of USD 114,000 including VAT, to be implemented within a university campus.

Within the scope of the agreement, the parties have agreed on:

The supply and installation of shared smart electric bicycles,

The provision of licenses for the Tripy mobile application, management software, and field operation applications,

The delivery of 24/7 call center services and technical support activities.

Under the project, the shared electric bicycles are planned to operate within the university campus through a virtual station model, utilizing Tripy's software infrastructure and operational know-how. Within the scope of the agreement value, a monthly recurring revenue model is envisaged for software licensing and related services.

The agreement has a term of 5 years, and the project is aligned with Tripy's strategy to expand the shared micromobility ecosystem in Türkiye and promote university-focused sustainable transportation solutions.

## 7. INCENTIVES BENEFITTING THE COMPANY

The company benefits from Technopark and R&D support and other incentives of the Social Security Institution. Various incentives and advantages that the company benefits from are realized within the scope of the following Laws;

**Law No. 5746 on Support for Research, Development and Design Activities;** The purpose of this Law is to support and encourage the production of technological knowledge, innovation in products and production processes, increasing product quality and standards, increasing efficiency, reducing production costs, commercializing technological knowledge, developing pre-competitive collaborations, accelerating the entry of direct foreign capital investments into the country for technology-intensive production, entrepreneurship and investments in these areas, R&D, innovation and design, and increasing the employment of R&D and design personnel and qualified labor force in order to provide the country's economy with a structure that can compete internationally through R&D, innovation and design. Within the scope of this Law, all R&D and innovation expenses are taken into account as a deduction in the determination of taxable corporate income until 31.12.2028. In addition, there is an Income Tax Withholding incentive for all R&D personnel and up to 10% of support personnel. There is also a Stamp Duty Exemption and Insurance Premium support.

**Social Insurance and General Health Insurance Law No. 5510;** the purpose of this Law is to secure individuals in terms of social insurance and general health insurance; to determine the individuals who will benefit from these insurances and the rights to be provided, the conditions for benefiting from these rights, and the financing and coverage methods; and to regulate the procedures and principles regarding the operation of social insurance and general health insurance. The amount corresponding to 5% of the employer's share from the disability, old age and death insurance premiums of private sector employers who employ insured persons within the scope of subparagraph (a) of the first paragraph of Article 4 of this Law shall be covered by the Treasury.

### 5 POINT DISCOUNT INCENTIVE

**LEGAL BASIS:** Article 81, Paragraph 1, Clause (i) of Law No. 5510, Circulars No. 2008/93 - 2009/139 - 2011/45.

- Document Number: 5510
- The relevant incentive was put into effect on 01.10.2008. It is still in effect and is being applied in our workplace.
- Private sector employers can benefit from a discount equal to the five-point portion of the employer's share of disability, old age and death insurance premiums calculated based on the insured's premium-based earnings for the insured they employ.
- The monthly premium and service document / summary and premium service declaration must be submitted to the Institution within the legal period,
- Premiums must be paid within the legal period,
- There is no premium, administrative fine and related late payment interest and penalty debt, if any, these debts must be structured, paid in installments and paid regularly,
- No unregistered insured persons must be employed / No false insured person declaration must be made,
- The employer must not be one of the institutions and organizations that fall within the scope of the

second paragraph of Article 30 of Law No. 5335,

- The work performed must not be within the scope of Laws No. 2886, 4734 and Article 3 of Law No. 4734 or within the scope of procurement and construction works based on international agreements.

#### **INCENTIVE FOR THE EMPLOYMENT OF DISABLED INSURED PERSONS**

LEGAL BASIS Article 30 of the Labor Law No. 4857, Circular No. 2008/77. Document Number: 14857

The relevant incentive was put into practice on 01.07.2008. It is still in effect and is being implemented in our workplace.

The Ministry of Treasury and Finance has provided the opportunity to cover the entirety of the employer's share of the insurance premium calculated based on the lower limit of the earnings subject to the premium for disabled insured individuals employed in private sector workplaces.

#### **CONDITIONS FOR BENEFITTING FROM THE INCENTIVE**

- Employing disabled insured individuals,
- Monthly premium and service documents must be submitted to the Institution within the legal period,
- Premiums must be paid,
- Employees subject to social security support premium, employees subject to community insurance, insured individuals working abroad, candidate apprentices, apprentices and students cannot benefit from this incentive.
- The 5-point discount is calculated based on PEK, and the remaining 15.5% employer share is calculated based on the minimum wage.

#### **INCENTIVE FOR RESEARCH, DEVELOPMENT AND DESIGN ACTIVITIES**

LEGAL BASIS: Article 3 of Law No. 5746 on Support for Research, Development and Design Activities, Circulars No. 2008/85 - 2009/21.

Document Type: 5746-15746

The relevant incentive was put into practice on 01.07.2008. It will end on 31.12.2028 and is being implemented in our workplace.

EXPLANATION: Half of the employer's share of the insurance premium calculated on the wages of R&D/Design and support personnel and personnel whose wages are exempt from income tax in accordance with the temporary 2nd article of Law No. 4691 is covered by the allowance to be placed in the budget of the Ministry of Treasury and Finance until 31/12/2028.

#### **INCENTIVE BENEFIT CONDITIONS**

- Monthly premium and service document / summary and premium service declaration must be submitted to the Institution within the legal period, premiums must be paid,
- The insured must actually work,

The insured must be R&D/Design personnel or support personnel provided that 10% of the R&D personnel number is not exceeded, or personnel whose wages are exempted from income tax pursuant to Law No. 4691.

## 8. OTHER IMPORTANT INFORMATION

### 8.1 İlişkili Taraf İşlemleri

For the purposes of the consolidated financial statements, shareholders, senior executives, members of the Board of Directors, their families, and companies, affiliates, and partnerships controlled by or affiliated with them are recognized and defined as related parties. Due to the ordinary course of business, the Group has conducted transactions with related parties during the period, and detailed information regarding these transactions is available in the Independent Audit Report.

### 8.2 Profit Distribution

Our Company generated a net profit for the period amounting to TRY 2,477,812,304 according to the financial statements for the accounting period between January 1, 2024 and December 31, 2024, which were prepared in compliance with the Turkish Accounting Standards/Turkish Financial Reporting Standards (TAS/TFRS) and the mandatory formats determined by the Capital Markets Board (CMB) within the scope of the CMB Communiqué No. II-14.1 on Principles of Financial Reporting in Capital Markets, and audited by Karar Independent Audit and Consultancy Inc.

In order to further strengthen our Company's existing balance sheet structure, manage future cash flow in a healthier manner, and support R&D investments, the proposal not to distribute profit was approved at the Ordinary General Assembly Meeting held on June 20, 2025.

### 8.3 Profit Distribution Policy

According to Article 13 of the Company's Articles of Association, the determination and distribution of profit is summarized as follows:

After deducting the amounts required to be paid or set aside by the Company, such as general expenses and various depreciation charges, and taxes required to be paid by the Company's legal entity from the revenues determined at the end of the Company's operating period, the remaining net profit as shown in the annual balance sheet, after deducting any losses from previous years, is distributed as follows:

- a) 5% of the remaining capital is allocated to the legal reserve fund, up to 20%.
- b) From the remaining amount, after adding any donations made during the year, the first dividend is allocated in accordance with the Company's profit distribution policy, in accordance with the Turkish Commercial Code and capital market legislation.
- c) After the above deductions are made, the general assembly has the right to decide whether the dividend will be distributed to board members, Company employees, or persons other than shareholders.
- d) The general assembly is authorized to distribute the remaining amount, after deducting the amounts specified in subparagraphs (a), (b), and (c), from the net profit, partially or completely, as a second dividend or to set aside as reserve funds as it may reserve pursuant to Article 521 of the Turkish

Commercial Code.

- e) From the portion determined to be distributed to shareholders and other persons participating in the profit, after deducting the dividend share equivalent to 5% of the capital, 10% of the resulting amount shall be added to the general legal reserve fund pursuant to Article 519, paragraph 2 of the Turkish Commercial Code.

Unless the reserve funds required to be set aside according to the Turkish Commercial Code and the dividends specified for shareholders in the articles of association are set aside, no other reserve funds can be set aside, no profits can be carried forward to the following year, no dividends can be distributed to board members, company employees, or persons other than shareholders. No dividends can be distributed to these persons unless the dividends specified for shareholders are paid in cash.

## 8.4 Information on Financial Risk Management Policy

The most important risks arising from the Company's financial instruments are interest rate risk, liquidity risk and credit risk.

### Capital Risk Management

In its capital orientation, the Company aims to increase its profitability by using the debt and equity balance in the most efficient way while trying to ensure the continuity of its activities.

The Company monitors its capital risk management using the total debt/total capital ratio. This ratio is found by adding short-term foreign resources and long-term foreign resources and dividing it by capital. Net debt is calculated by deducting cash and cash equivalents from the total financial debt amount. Total capital is calculated by adding equity and liabilities as shown in the balance sheet.

### Credit Risk

It is the risk that one of the parties in a mutual relationship will suffer financial losses as a result of the other party failing to fulfill its obligations regarding a financial instrument. The Company tries to manage its credit risk by limiting transactions with certain parties and constantly evaluating the reliability of the parties it is in a relationship with.

### Liquidity Risk

Liquidity risk is the possibility of not being able to fulfill net funding obligations. The occurrence of events that result in a decrease in funding resources, such as disruptions in the markets or a decrease in credit scores, causes liquidity risk to occur. The Company management manages liquidity risk by distributing funding resources and maintaining sufficient cash and similar resources to fulfill its current and potential liabilities.

### Interest Rate Risk

Interest rate risk arises from the possibility of changes in interest rates affecting the financial statements. The Company is exposed to interest rate risk due to the timing differences of assets and liabilities that will mature in a certain period. Interest rate risk is tried to be avoided by reducing the weight of our variable interest loans in our total loan portfolio. These risks are managed in line with the regulation prepared throughout the Company.

### Counterparty Risk

Counterparty risk is defined as the loss that may be incurred as a result of the failure of banks, insurance, leasing, factoring and/or other financial institutions through which Group Companies conduct their business and transactions to fulfill their obligations.

Counterparty risk may arise in the transactions mentioned above through the following:

- Banks where MIA Group Companies place deposits and/or receive loans,
- Institutions that are counterparties of the securities they invest in,
- Financial institutions that customers and suppliers prefer to provide collateral/use as payment instruments,
- Institutions that are parties to hedge transactions or mediate transactions. These risks are managed in line with the regulations prepared throughout the company.

### **Foreign Exchange Risk**

Foreign exchange risk is exchange rate movements that may have a negative effect on cash flow. It is evaluated as an increase in expenses or a decrease in income and/or a negative effect on the cash position as a result of changes in the balance of cash inflows and outflows in foreign currency or indexed to foreign currency against the currency of the country of operation.

The reasons that may constitute the basis for the exchange rate risk of MIA Group Companies are as follows:

- Purchases of goods and services in foreign currency or indexed to foreign currency
  - Sales of goods and services in foreign currency or indexed to foreign currency
  - Capital and fixed asset investments sensitive to exchange rate movements
  - Agreements sensitive to foreign exchange movements such as franchise, license or royalty agreements
- These risks are managed in line with the regulations prepared throughout the company.

## **8.5 Information on Legislative Amendments That May Significantly Affect the Company's Activities**

There were no legislative amendments during the period between 01.01.2026 and 31.03.2026 that would significantly affect the activities of our Company.

## **8.6 Significant Events Occurring During the Reporting Period That Must Be Disclosed**

These are presented under Section 6.

## **8.7 Events Occurring Between the End of the Reporting Period and the Publication Date of the Report**

As a result of the positive outcome of the non-binding negotiations held with Lider Sistem Teknolojileri A.Ş. on 06.03.2026, our Board of Directors resolved in its decision numbered 2026/11 dated 06.03.2026 that; Subject to obtaining the necessary approval from the Capital Markets Board ("CMB") and the approval of the Merger Agreement by our General Assembly, and within the framework of Articles 134 and subsequent relevant provisions of the Turkish Commercial Code No. 6102 ("TCC"), Articles 18, 19, and 20 of the Corporate Tax Law No. 5520 ("CTL"), Articles 23 and 24 of the Capital Markets Law No. 6362

("CML") and related provisions due to MİA Teknoloji A.Ş. ("Company") being subject to the CML and its shares being publicly offered and traded on Borsa Istanbul A.Ş. ("BIST"), as well as the CMB's Communiqué No. II-23.2 on Mergers and Demergers ("Merger and Demerger Communiqué"), the CMB's Communiqué No. II-23.3 on Material Transactions and Exit Rights ("Material Transactions and Exit Rights Communiqué"), and other related legislation, it was resolved that Lider Sistem Teknolojileri A.Ş. would merge into our Company, MİA Teknoloji A.Ş., through acquisition. Provided that the merger transaction is first approved by the General Assembly, based on the merger ratio (0.50075336) and exchange ratio (2.9316) determined in the Expert Institution Report dated 03.03.2026 prepared by Bulls Yatırım Menkul Değerler A.Ş. in accordance with Article 7 (Expert Institution Report) of the Merger and Demerger Communiqué, it was resolved that 2.9316 shares of our Company, each with a nominal value of TRY 1, would be issued in exchange for each registered share of Lider Sistem Teknolojileri A.Ş. with a nominal value of TRY 1. Accordingly, the capital increase amount to be carried out by our Company due to the merger was determined as TRY 492,513,594, and the number of shares to be allocated to shareholders of Lider Sistem Teknolojileri A.Ş., excluding our Company, was determined as 492,513,594 shares.

Our project titled "Detection of Water Quantity and Quality Parameters through Satellite Imagery and Artificial Intelligence Techniques," for which an application was submitted by our Company on 24.04.2025 within the scope of the TÜBİTAK 1007 Public AI Ecosystem Program in line with the technical requirements of the Republic of Türkiye Ministry of Agriculture and Forestry - General Directorate of Water Management, has been positively evaluated, the related agreement has been signed, and the project has officially become eligible for support.

The project consortium has been established through the partnership of MİA Teknoloji A.Ş., Turkish Aerospace Industries Inc. (TUSAŞ), and Eskişehir Technical University. The project duration is 2 years, and the total project budget amounts to TRY 16,330,057.

Within the scope of the project:

Changes in water surface areas and water quality detected through satellite imagery will be analyzed using artificial intelligence technologies,

These changes will be monitored instantly through a web platform to be developed,

Monitoring and follow-up by the Republic of Türkiye Ministry of Agriculture and Forestry - General Directorate of Water Management will be enabled through alarm systems.

The project will strengthen our Company's competencies in the fields of artificial intelligence and web technologies and enhance the consortium's capability to develop next-generation water management solutions.

Within the scope of our Company's strategic transformation and R&D-oriented growth objectives in the fields of defense and energy technologies, it was resolved to participate at the establishment stage in Koral Labs Köktürk Otonom Robotik ve Araştırma Laboratuvarları A.Ş., whose incorporation was completed on 09.03.2026.

MİA Teknoloji A.Ş. has recently been carrying out a strategic transformation process particularly in the fields of defense and security technologies. Within this scope, the Company aims to develop R&D and product development activities for the defense industry, high-technology R&D projects, energy efficiency-oriented initiatives, and products and services for the mining sector.

Koral Labs Köktürk Otonom Robotik ve Araştırma Laboratuvarları A.Ş. is planned to operate in high-technology fields, primarily including autonomous systems, robotic technologies, and advanced engineering solutions. This participation is considered a strategic step that will contribute to our Company's transformation in defense technologies. It is planned that the commercialization and sales activities of the products and technologies to be developed by the company in domestic and international markets will be carried out by MİA Teknoloji A.Ş.

Tripy Mobility Teknoloji A.Ş. has signed a strategic Consultancy Services Agreement with Raylight Solutions Inc., a technology company based in the United States. Within this scope, Tripy will provide project management, strategic guidance, and technology consultancy services for the Lucent artificial intelligence platform developed by Raylight Solutions.

Under the agreement, Tripy will provide consultancy regarding Lucent platform's global growth strategies, technology roadmap, product development processes, and international project management.

With this agreement:

For the first time, a technology company from Türkiye will provide corporate consultancy services to a U.S.-based artificial intelligence platform.

Tripy's expertise in mobility, data analytics, and digital platform management will be integrated into the global artificial intelligence ecosystem.

While strengthening our Company's role in international technology projects, the agreement is also expected to create new opportunities for global collaborations in the field of artificial intelligence.

Within the scope of the agreement, Raylight Solutions Inc. will pay Tripy a fixed monthly consultancy fee in return for the consultancy services, and the agreement will initially remain valid for a period of one year.

Our Board of Directors considers that this collaboration will strengthen Tripy's position within the international technology ecosystem and contribute to our Company becoming a strategic global player in the fields of artificial intelligence and mobility technologies.

The ATR (Aviz de Tehnic Racordare) permits, which constitute the technical approval for connection to the electricity grid, have been obtained through the provision of the necessary financial guarantees for the 33.39 MWe capacity RENAWELL RASI 1 Solar Power Plant project being developed through Renawell Energie S.R.L., a 50% subsidiary of Enerjey Enerji A.Ş. in Romania, and the 17.49 MWe capacity NOUZI RASI 2 Solar Power Plant project being developed through Nouzi Energie S.R.L., its wholly owned subsidiary.

A contract valued at USD 4,200,000 was signed on 17.11.2025 with an energy company established in the Republic of Kyrgyzstan, in which the State of the Republic of Kyrgyzstan is also a shareholder. Within this scope, an order amounting to USD 310,000 was received on 17.11.2025 as the initial phase of the agreement. The relevant order was successfully completed, delivered, invoiced, and collected as of 12.02.2026. In addition to this order, a further order amounting to TRY 35,000,000 was received on 25.11.2025 under the same agreement. The relevant order was successfully completed, delivered, invoiced, and collected as of 16.03.2026.

Within the scope of Article 27 of the Capital Markets Board's Communiqué No. VII-128.1 on Shares, titled "Obligation to Prepare an Information Form for Shareholders of Publicly Traded Companies," a "Share

Sale Information Form” was prepared for the purpose of selling, on Borsa Istanbul, the shares with a nominal value of TRY 26,752,649 held by our Company, corresponding to 3% of the capital of Link Bilgisayar Sistemleri Yazılımı ve Donanımı Sanayi ve Ticaret A.Ş., in which we are a shareholder. An application for the approval of the Share Sale Information Form was submitted to the Capital Markets Board on 24.03.2026.

In line with our Company’s strategic growth objectives in the field of high-technology energy solutions, efforts are being carried out to develop international collaborations in the field of Small Modular Reactors (SMRs).

Accordingly, an application has been submitted under the call for the development of nuclear technologies launched within the scope of the Pre-Competitive Collaboration Program conducted by the Republic of Türkiye Ministry of Industry and Technology. Within the scope of the application, localization targets of at least 51% and related investment plans over a 4-year period were presented for a 100 MW SMR micro nuclear reactor project. Through this application, it is aimed to ensure Türkiye’s early participation in the emerging value chain of micro modular reactor technologies.

Within the framework of the Türkiye Century vision, our Company aims to achieve a stronger position in the field of energy technologies and become one of the pioneering companies in this strategic transformation process. In this context, a technical cooperation process has been initiated with an international technology provider that ranks among the leading companies globally in advanced nuclear technologies, currently develops active projects, and possesses project experience with world-leading companies.

Within the scope of the cooperation, studies are being carried out on integrated pressurized water reactor (iPWR)-based modular solutions suitable for multi-installation scenarios. In addition, evaluations are being conducted regarding areas in which domestic industry may take part within the potential micro modular reactor ecosystem in Türkiye, opportunities for technology transfer, and the enhancement of engineering capabilities.

Furthermore, in light of the increasing energy demand in data centers and industrial sectors, as well as the need to reduce carbon emissions and manage climate risks, low-carbon energy solutions, smart energy management systems, and digital infrastructures that provide energy efficiency have gained strategic importance. Our Company aims to contribute to sustainable and efficient energy utilization through the technologies it will develop in these areas.

Within this framework, it is planned to establish academic collaborations with universities, provide technical coordination with institutions and organizations operating in the field of nuclear energy whose identities will be clarified in the coming stages, and conduct studies based on information and experience sharing with nuclear energy experts on a global scale.

In addition, within the partner ecosystem:

Lider Sistem Teknolojileri A.Ş. is planned to undertake critical facility security, integrated security systems, and intelligent threat detection processes;

Global X A.Ş. is planned to undertake compliance with national and international regulations, licensing, and legislative preparation processes;

Link Bilgisayar A.Ş. is planned to develop software technology components related to integrated management systems, digital infrastructure, and energy management.

Through this integrated structure, it is aimed to execute security, regulatory compliance, digitalization, and

operational management processes specific to nuclear energy projects in an end-to-end, sustainable, and high-standard manner.

Within the scope of our Company's strategy to enhance international business development and strengthen its presence in global markets, a total collection amounting to USD 3,085,000 has been realized to date under the long-term business agreement valued at USD 4,200,000 signed on 17.11.2025 with an energy company established in the brotherly Republic of Kyrgyzstan, in which the State of the Republic of Kyrgyzstan is also a shareholder, and a substantial portion of the project has been successfully delivered in accordance with the project schedule. Following the successful execution of the project, a new contract expansion agreement valued at USD 12,400,000 was signed with the aforementioned energy company on 08.04.2026. The related proposal was developed within the scope of the strategic cooperation and joint business development activities carried out with Lider Sistem Teknolojileri A.Ş.

## **8.8 Explanations Regarding Special Audits and Public Audits Conducted During the Accounting Period**

There were no special audits or public audits conducted during the accounting period between 01.01.2026 and 31.03.2026.

## **8.9 Information Regarding Lawsuits Filed Against the Company That May Affect the Company's Financial Position and Operations, and Their Possible Outcomes**

There are lawsuits filed against our Company; however, there are no possible outcomes that may materially affect the Company's financial position or operations. These lawsuits are of low material significance.

## **8.10 Administrative or Judicial Sanctions Imposed on the Company and Members of the Governing Bodies Due to Practices Contrary to Legislative Provisions**

N/A

## **8.11 Information Regarding Extraordinary General Assembly Meetings Held During the Period, Including the Date of the Meeting, Resolutions Adopted, and Related Actions Taken**

No General Assembly meeting was held during the period.

## **8.12 Donations and Contributions Made by the Company During the Period and Expenditures Incurred Within the Scope of Social Responsibility Projects**

During the period between 01.01.2026 and 31.03.2026, our Company made donations amounting to TRY 95,500 within the scope of donations, contributions, and Corporate Social Responsibility projects.

## **8.13 Shares Repurchased by the Company**

On 27.11.2025, within the scope of the share buyback program, the Company repurchased its shares with a nominal value of TRY 3,500,000 from the stock exchange at a weighted average price of TRY 39.18.

## **8.14 Conflicts of Interest Between the Company and the Institutions from Which It Receives Services Such as Investment Consultancy and Rating Services**

The Company does not receive any services from investment consultancy or rating institutions.

## **8.15 Corporate Social Responsibility**

MIA Teknoloji A.Ş. considers human resources as one of the fundamental elements of sustainable growth and places importance on protecting the social rights of its employees, supporting their professional development, and conducting activities that contribute to social benefit.

Within the Company, practices related to compensation in compliance with legislation, social security rights, fringe benefits, and occupational health and safety are carried out thoroughly for employees, while aiming to establish a fair, inclusive, and safe working environment. Practices intended to increase employee satisfaction and engagement are regularly reviewed within the framework of the Company's human resources policies.

In line with its fields of activity, MIA Teknoloji supports training and development initiatives aimed at improving the professional knowledge and competencies of its employees. Within this scope, opportunities are provided for technical trainings, regulatory compliance trainings, and personal development programs, with the objective of enabling employees to perform their duties more effectively and efficiently.

The Company conducts its operations with awareness of its social and environmental impacts and demonstrates the necessary sensitivity regarding the efficient use of resources, reduction of environmental impacts, and compliance with legal obligations. In this regard, environmentally conscious practices are adopted in operational processes, and approaches that contribute to social benefit are encouraged.

MIA Teknoloji approaches corporate social responsibility with a sense of responsibility toward its employees, stakeholders, and society, and reflects this approach into its corporate activities in a balanced and sustainable manner.

# 9. CONSOLIDATED STATEMENT OF FINANCIAL POSITION AS OF 31.03.2026

Consolidated Statement of Financial Position as of 31.03.2026 (Unless otherwise stated, amounts are expressed in Turkish Lira (TRY))

## MİA TEKNOLOJİ ANONİM ŞİRKETİ

Consolidated Statement of Financial Position for January 1 - March 31, 2026

(Unless otherwise stated, amounts are expressed in Turkish Lira ("TL") based on the purchasing power of the Turkish Lira as of March 31, 2026.)

|                                                            | Note No | 31.03.2026           | 31.12.2025           |
|------------------------------------------------------------|---------|----------------------|----------------------|
| <b>ASSETS</b>                                              |         |                      |                      |
| <b>CURRENT ASSETS</b>                                      |         |                      |                      |
| Cash and cash equivalents                                  | [3]     | 481.936.981          | 765.483.929          |
| Trade Receivables                                          | [5]     | 1.354.742.905        | 1.522.938.771        |
| Other Receivables                                          | [7]     | 27.820.613           | 104.679.910          |
| Inventories                                                | [8]     | -                    | 8.008.160            |
| Prepayments                                                | [14]    | 947.963.211          | 672.752.562          |
| Current Tax Assets                                         | [15]    | 7.495.401            | 7.092.949            |
| Other current assets                                       | [16]    | 4.924.634            | 4.868.921            |
| <b>Total current assets</b>                                |         | <b>2.824.883.745</b> | <b>3.085.825.202</b> |
| <b>NON-CURRENT ASSETS</b>                                  |         |                      |                      |
| Investments in subsidiaries, joint ventures and associates | [4]     | 49.452.741           | 647.152.836          |
| Other Receivables                                          | [7]     | 3.100.446            | 3.411.799            |
| Financial Investments                                      |         | 578.425.127          | -                    |
| Investment property                                        | [9]     | 66.184.911           | 66.184.911           |
| Property, plant and equipment                              | [10]    | 329.345.005          | 338.404.953          |
| Right of Use Assets                                        | [11]    | 2.345.286            | 2.785.027            |
| Intangible assets and goodwill                             | [12]    | 3.910.712.156        | 3.748.825.136        |
| Prepayments                                                | [14]    | -16.923              | 253.419              |
| <b>Total non-current assets</b>                            |         | <b>4.939.548.749</b> | <b>4.807.018.081</b> |
| <b>TOTAL ASSETS</b>                                        |         | <b>7.764.432.494</b> | <b>7.892.843.283</b> |

# MİA TEKNOLOJİ ANONİM ŞİRKETİ

Consolidated Statement of Financial Position for January 1 - March 31, 2026

(Unless otherwise stated, amounts are expressed in Turkish Lira ("TL") based on the purchasing power of the Turkish Lira as of March 31, 2026.)

|                                                                                               | Note<br>No | 31.03.2026           | 31.12.2025           |
|-----------------------------------------------------------------------------------------------|------------|----------------------|----------------------|
| <b>LIABILITIES</b>                                                                            |            |                      |                      |
| <b>CURRENT LIABILITIES</b>                                                                    |            |                      |                      |
| Current Borrowings                                                                            | [6]        | 1.499.586.155        | 1.002.473.476        |
| Current Portion of Non-current Borrowings                                                     | [6]        | 119.403.741          | 152.129.932          |
| Other Financial Liabilities                                                                   | [6]        | 1.061.868            | 372.461              |
| Trade Payables                                                                                | [5]        | 104.186.753          | 360.813.599          |
| Employee Benefit Obligations                                                                  | [18]       | 6.479.883            | 11.312.932           |
| Other Payables                                                                                | [7]        | 20.069.915           | 72.726.456           |
| Deferred Income                                                                               | [15]       | 78.937.675           | 55.122.484           |
| Current tax liabilities                                                                       | [15]       | 4.509.814            | 4.962.699            |
| Current provisions                                                                            | [18]       | 5.361.845            | 3.359.581            |
| Other Current Liabilities                                                                     | [16]       | 343.783              | 6.893.537            |
| <b>SUB-TOTAL</b>                                                                              |            | <b>1.839.941.432</b> | <b>1.670.167.157</b> |
| <b>Total Current Liabilities</b>                                                              |            | <b>1.839.941.432</b> | <b>1.670.167.157</b> |
| <b>NON-CURRENT LIABILITIES</b>                                                                |            |                      |                      |
| Long Term Borrowings                                                                          | [6]        | 33.333.333           | 45.125.378           |
| Other Financial Liabilities                                                                   | [6]        | 639.449              | 703.664              |
| Non-current provisions                                                                        | [18]       | 6.473.429            | 5.892.492            |
| • Non-current provisions for employee benefits                                                |            | 6.473.429            | 5.892.492            |
| Deferred Tax Liabilities                                                                      | [15]       | 231.942.367          | 156.491.698          |
| <b>Total Non-Current Liabilities</b>                                                          |            | <b>272.388.578</b>   | <b>208.213.232</b>   |
| <b>Total Liabilities</b>                                                                      |            | <b>2.112.330.010</b> | <b>1.878.380.389</b> |
| <b>EQUITY</b>                                                                                 |            |                      |                      |
| <b>Equity attributable to owners of parent</b>                                                |            | <b>5.647.873.743</b> | <b>6.010.580.949</b> |
| Issued capital                                                                                | [19]       | 494.000.000          | 494.000.000          |
| Inflation Adjustments on Capital                                                              | [19]       | 818.734.007          | 818.734.007          |
| Capital Advance                                                                               | [19]       | 239.528.964          | 239.528.964          |
| Treasury Shares (-)                                                                           | [19]       | -143.938.796         | -                    |
| Share Premium (Discount)                                                                      |            | 538.228.460          | 538.228.460          |
| Other Accumulated Comprehensive Income (Loss) that will not be Reclassified in Profit or Loss |            | 3.808.355            | 4.355.322            |
| Gains (Losses) on Revaluation and Remeasurement                                               |            | 3.808.355            | 4.355.322            |
| Gains (Losses) on Remeasurements of Defined Benefit Plans                                     |            | 3.808.355            | 4.355.322            |
| Restricted Reserves Appropriated From Profits                                                 | [19]       | 128.877.153          | 128.877.153          |
| • Legal Reserves                                                                              |            | 33.798.753           | 33.798.753           |
| • Other Restricted Profit Reserves                                                            |            | 95.078.400           | 95.078.400           |
| Prior Years' Profits or Losses                                                                |            | 3.786.857.043        | 4.590.038.489        |
| Current Period Net Profit Or Loss                                                             |            | -218.221.443         | -803.181.446         |
| <b>Non-controlling interests</b>                                                              |            | <b>4.228.741</b>     | <b>3.881.945</b>     |
| <b>Total Equity</b>                                                                           |            | <b>5.652.102.484</b> | <b>6.014.462.894</b> |
| <b>Total Liabilities and Equity</b>                                                           |            | <b>7.764.432.494</b> | <b>7.892.843.283</b> |

## 10. CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME AS OF 31.03.2026

Financial Position as of 31.03.2026 (Unless otherwise stated, amounts are expressed in Turkish Lira (TRY))

### MİA TEKNOLOJİ ANONİM ŞİRKETİ

Consolidated Statement of Income for the Period January 1 - March 31, 2026

(Unless otherwise stated, amounts are expressed in Turkish Lira ("TL") based on the purchasing power of the Turkish Lira as of March 31, 2026.)

|                                                                   | Note<br>No  | 01.01.2026<br>31.03.2026 | 01.01.2025<br>31.03.2025 |
|-------------------------------------------------------------------|-------------|--------------------------|--------------------------|
| Revenue                                                           | [20]        | 396.673.925              | 661.518.858              |
| Cost of sales                                                     | [20]        | -182.252.621             | -356.127.213             |
| <b>GROSS PROFIT (LOSS) FROM COMMERCIAL OPERATIONS</b>             |             | <b>214.421.304</b>       | <b>305.391.645</b>       |
| <b>GROSS PROFIT (LOSS)</b>                                        |             | <b>214.421.304</b>       | <b>305.391.645</b>       |
| General Administrative Expenses                                   | [21]        | -37.067.911              | -42.036.892              |
| Research and development expense                                  | [22]        | —                        | -136.807                 |
| Other Income from Operating Activities                            | [22]        | 56.660.087               | 86.405.592               |
| Other Expenses from Operating Activities                          | [22]        | -23.259.814              | -1.756.260               |
| <b>PROFIT (LOSS) FROM OPERATING ACTIVITIES</b>                    |             | <b>210.753.666</b>       | <b>347.867.278</b>       |
| Investment Activity Income                                        | [23]        | —                        | 147.768                  |
| Investment Activity Expenses                                      | [23]        | -20.020.689              | -111.566.165             |
| <b>PROFIT (LOSS) BEFORE FINANCING INCOME (EXPENSE)</b>            |             | <b>190.732.977</b>       | <b>236.448.881</b>       |
| Finance income                                                    | [24]        | 9.262.013                | 397.221.051              |
| Finance costs                                                     | [24]        | -232.676.507             | -466.026.551             |
| Gains (losses) on net monetary position                           | [25]        | -109.560.137             | -158.708.237             |
| <b>PROFIT (LOSS) FROM CONTINUING OPERATIONS, BEFORE TAX</b>       |             | <b>-142.241.654</b>      | <b>8.935.144</b>         |
| <b>Tax (Expense) Income, Continuing Operations</b>                |             | <b>-75.632.993</b>       | <b>32.088.856</b>        |
| <i>Deferred Tax (Expense) Income</i>                              | [15]        | -75.632.993              | 32.088.856               |
| <b>PROFIT (LOSS) FROM CONTINUING OPERATIONS</b>                   |             | <b>-217.874.647</b>      | <b>41.024.000</b>        |
| <b>PROFIT (LOSS)</b>                                              |             | <b>-217.874.647</b>      | <b>41.024.000</b>        |
| Profit (loss), attributable to                                    | [26]        | -217.874.647             | 41.024.000               |
| Non-controlling Interests                                         |             | 346.796                  | 1.871.281                |
| Owners of Parent                                                  |             | -218.221.443             | 39.152.719               |
| <b>Basic Earnings (Loss) Per Share from Continuing Operations</b> | <b>[26]</b> | <b>-0,441</b>            | <b>0,083</b>             |
| Basic Earnings (Loss) Per Share from Continuing Operations        |             | -0,441                   | 0,083                    |
| <b>TOTAL COMPREHENSIVE INCOME (LOSS)</b>                          |             | <b>-217.874.647</b>      | <b>41.024.000</b>        |

## 12. Financial Evaluation

- ✓ Despite the implementation of inflation accounting practices, our Assets and Equity structure has maintained its stable course when evaluated from the balance sheet perspective.
- ✓ The share of liabilities within our total assets remained low at 27.2% in 2026.
- ✓ Despite the challenging economic conditions and uncertainties brought by inflation accounting, our revenue for the first three months of 2026 amounted to TRY 397 million.
- ✓ In the first three months of 2026, our gross profit margin was realized at 54.1%.
- ✓ In the first three months of 2026, our net loss amounted to TRY 218 million.
- ✓ EBITDA for the first three months of 2026 was realized at TRY 347 million.

This report has been prepared in accordance with the provisions of the “Regulation on Determining the Minimum Content of Annual Activity Reports of Companies” published by the Ministry of Trade in the Official Gazette dated 28.08.2012 and numbered 28395.

Ali Gökhan BELTEKİN  
Chairman of the Board of Directors

Arzu ŞAHDALAMAN GÜL  
Member of the Board of Directors

İhsan ÜNAL  
Vice Chairman of the Board of Directors

Ali YAZICI  
Independent Member of the Board of Directors

Faik CECELİ  
Independent Member of the Board of Directors

11.05.2026