MIA
TEKNOLOJİ

ACTIVITY REPORT

—

2025/6

We Care About Your Dreams...

About Us

MIA Teknoloji was founded in 2006 in Ankara and is an IT company with offices in the U.S.A. and Morocco. MIA Teknoloji is listed in the BIST50 index of Borsa Istanbul as MIATK with a valuation of over $591 Million. MİA offers innovative and innovative solutions for the needs of its customers with more than 160 personnel in different sectors such as Health Information Technologies, Software Solutions, Energy, Electro Mobility, Immersive Technologies and Security. In addition, MIA Tekno.loji also has NATO and Facility Security Certificates and carries out various projects in this context

Our company is also the founder of the electrical mobility platform Tripy and renewable energy solution provider Enerjey brands. Our company continues to grow by actively operating in various locations around the world.

Vision

To be among the leading companies in the Turkish and International IT Sector by ensuring the satisfaction of our customers and employees. To produce high value-added, innovative solutions with the Industry-Academy Collaboration model and to compete with foreign market players.

Mission

To be able to provide solutions for differentiating requests and needs with its local and national solutions, wide product range and original products. To be an example in customer satisfaction by providing high-performance and quality service. To produce IT projects according to the needs of businesses with the identity of a solution partner in line with the new and inevitable realities brought by the information age. To carry out our Facility Management and Consultancy services in accordance with national and international legal regulations and standards.

Values

The cornerstone of MIA Teknoloji is the ability to offer quality products, provide high-level services and provide fast support. The company aims to offer excellence to its customers at every stage and constantly develops innovative solutions in this direction.

Awards and Achievements

	2024 Bilisim500 Awards
	2023 Bilisim500 Awards
	2022 Bilisim500 Awards
	2021 Bilisim500 Awards
	2020 Bilisim500 Awards
	Deloitte Technology Fast 50 2021 Turkey Winner
	Ankara Chamber of Commerce Export Contribution

CERTIFICATES

Tesis *Güvenlik* Belgesi (Milli / NATO)

Askeri Fabrikalar Onaylı Tedarikçi

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
Board Member

Ali YAZICI
Independent Board
Member

Özgür ÇİVİ
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 middle and high school education in Elazığ and his higher education in 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, he founded his own company, MİA Teknoloji A.Ş., with his undergraduate friends.

Operating in the IT sector for 15 years, MIA Teknoloji develops products for public spaces where passage security is critical with its unique innovation and R&D activities to meet the needs of its customers with its increasing experience.

In line with the Smart Campus studies, it provides local and national solutions to the General Directorate of Security, ÖSYM, Credit and Dormitories Institution, Istanbul Atatürk Airport, Ziraat Bank, Vakıfbank, Eti Maden, Ministry of Internal Affairs, University Hospitals, State Supply Office, Havelsan, Gendarmerie, National Library institutions and carries out effective studies in Turkey and internationally with its R&D studies in the process of providing solutions for differentiating requests and needs with its wide product range and original products.

In line with the new and inevitable realities brought by the information age, it continues its work without interruption during the Pandemic (Covid 19) process with the mission of producing IT projects for the needs of businesses with its solution partner identity. Cleanmask-Tech, MİA-YTA Thermal Camera and Mask Detection, MİA-Hygiene Tunnel products and Pandemic Product Families are carried out. With the studies developed in the fields of IoT, Smart and Secure Facility Management Systems, Image Processing Technologies, Biometric Person

Identification Technologies, Deep Learning and Artificial Intelligence Technologies, it contributes to the development of Turkey in the field of informatics. In addition to its R&D studies, it has carried out international business development activities and studies in Germany, America, Italy, England, France and Russia, and it has established the first overseas leg of MIA Teknoloji by opening an office in Teknopark in Qatar.

In addition to his business life, he also supports Industry-Academy Collaboration by taking part in the Atılım University Industry Advisory Board. He is married with two children.

İhsan ÜNAL – Board Member (Founder and Partner)

He was born in Şanlıurfa on January 8, 1981. He completed his middle and high school education in Şanlıurfa and his higher education in the Computer Engineering Department of Atılım University. After completing his university education, he started working as a Software Specialist at the Social Security Board in 2004. In 2006, he founded his own company, MIA Teknoloji Anonim Sirketi, together with his undergraduate friends.

As the first example of the studies carried out with the aim of "providing solutions for differentiating requests and needs with our local and national solutions, wide product range and original products", which has been the mission of the managers since the day it was founded, it started its activities with the "Dormition Management Software" for the dormitories of the Credit and Dormitories Institution throughout Turkey. He served as the Coordinator in the project where 20 Regions, 494 dormitory campuses, 2720 Clients, 4800 optical readers and 4 million transactions were carried out for the monitoring of entrances and exits to KYK dormitories and the use of rights.

Operating in the IT sector for 15 years, MIA Teknoloji provides services in the fields of Integrated Health Information Management System, Biometric Identity, Recognition and Control Systems, Smart and Secure Facility, Building and Campus Solutions, Public Safety, Critical Area and Soft Target Protection, e-ID Projects, Payment, Card Solutions and Fintech, Data Analysis and Big Data Management, Cyber Security for public institutions.

Being among the leading companies in the Turkish and International IT Sector, MIA Teknoloji produces high value-added, innovative solutions with the Industry-Academy Cooperation model and with the vision of competing with foreign market players, manages all administrative processes in the process of producing national and internationally certified technologies, from project tender processes to budget planning, and ensures the successful execution of projects by ensuring the management of quality standards.

In addition to his business life, he also supports Industry-Academy Cooperation by taking part in the Atılım University Industry Advisory Board. He is married and has one child.

Özgür ÇİVİ – Board Member

Born in Ankara on June 20, 1981, Özgür Çivi is married and has one child. Çivi graduated from Atılım University Department of Business Administration in 2004 and completed his master's degree in Health Management at Hacettepe University.

Çivi started his career in 2006 as an assistant auditor at MAZARS Denge Ankara Denetim ve Yeminli Mali Müşavirlik A.Ş. and served as the Accounting Unit Manager at Koçak Group of Companies in 2006-2007. Mr. Özgür Çivi started working in sales in 2007; he worked as Sales and Project Manager at İncekara Holding between 2007-2011 and at Kurt & Kurt İth. İhr. Ve Müm. A.Ş. between 2011-2014.

He served as Senior Sales Manager at Türk Philips Ticaret A.Ş. between 2014-2016; then he served as Operations and Purchasing Director at Qatar Turkish Hospital in Doha, Qatar between 2017-2018.

In 2018, Çivi served as General Manager Responsible for Medical Affairs at the Gaziantep Integrated Health Campus project carried out in partnership with Kayı – Webuild Spa J.V., and later served as General Manager at the Ankara Etlik City Hospital Project, built as the largest hospital in Turkey in partnership with Astaldi – Türkerler in 2021. He has undertaken serious responsibilities such as developing strategies to achieve short and long-term goals in healthcare projects, providing national and international consultancy, managing product purchases in line with his experience in medical product qualifications, and managing all turnkey processes within the scope of medical operations.

Mr. Özgür Çivi has been serving as an Independent Board Member at MİA Teknoloji A.Ş. since 2021.

Ali YAZICI – Independent Board Member

He was born in Ankara on May 14, 1950. Ali Yazıcı graduated from the Department of Numerical Analysis and Applied Mathematics at Middle East Technical University in 1972; and completed his master's degree in Mathematics at METU in 1974. Continuing his education in Canada, Yazıcı completed his doctorate in Computer Science at the University of Waterloo.

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

Ali Yazıcı, who worked as a faculty member at METU between 1979-1983, later became a faculty member at Yarmouk University in Jordan and Sultan Qaboos University in Oman; and returned to METU in 1988 as an associate professor in the Department of Computer Engineering. Yazıcı, who received the title of Professor since 1994, worked at METU, Atılım and TOBB universities, respectively.

Today, he continues to serve as a faculty member in the Software Engineering Department of Atılım University. Ali Yazıcı has worked on numerous projects during his 45 years in academia and has been deemed worthy of many awards, including the SUR award given by IBM and the 1st prize in the Education Research Association for the "Lifelong Learning and Non-formal Education" project.

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

Faik CECELİ – Independent Board Member

He was born in Ankara in 1965. He graduated from A.Ü. S.B.F. in 1986 and started working as Assistant Finance Inspector the same year. He served as Finance Inspector between 1989-1996, Department Head at the General Directorate of National Estate between 1996-1997, Chief Finance Inspector between 1997-2000, Department Head at the General Directorate of Revenues between 2000-2003, General Manager of National Estate between 2003-2004, General Manager and Chairman of the Board of Directors of the State Materials Office between 2004-2007, Member of the Presidency State Supervisory Board between 2008-2014, and Chairman of the State Supervisory Board between 2014-2015. He retired from this position on 04.05.2015 and currently works as the responsible partner auditor at BDM Independent Audit Anonim Sirketi He has been serving as an Independent Audit Commission Member of the Ankara Chamber of Certified Public Accountants since January 2017. He has been serving as an independent board member at MIA TEKNOLOJİ A.Ş. since June 2024.

Clusters

Turkey Intelligent Transportation Systems Association: An association established on March 15, 2016 within the scope of the National Intelligent Transportation Systems Strategy Document (2014-2023) and its Annex Action Plan (2014-2016) initiated by the Ministry of Transport and Infrastructure in 2016 and permitted to use the word Turkey with the approval of the Ministry of Interior on November 8, 2018, contributes to the development of the sector by gathering all stakeholders in the field of Intelligent Transportation Systems under one roof, aiming to produce products and services in line with harmonious cooperation and standards.

Defense Industry Cluster: TSSK was established with the aim of meeting the national and critical needs of the Turkish Armed Forces through collaborations with local defense industry companies and universities and producing technology for international markets. It supports internationalization and intra-cluster collaboration by bringing together large, medium and small-scale companies and aims to ensure efficient use of resources by transferring knowledge in the sector to other sectors
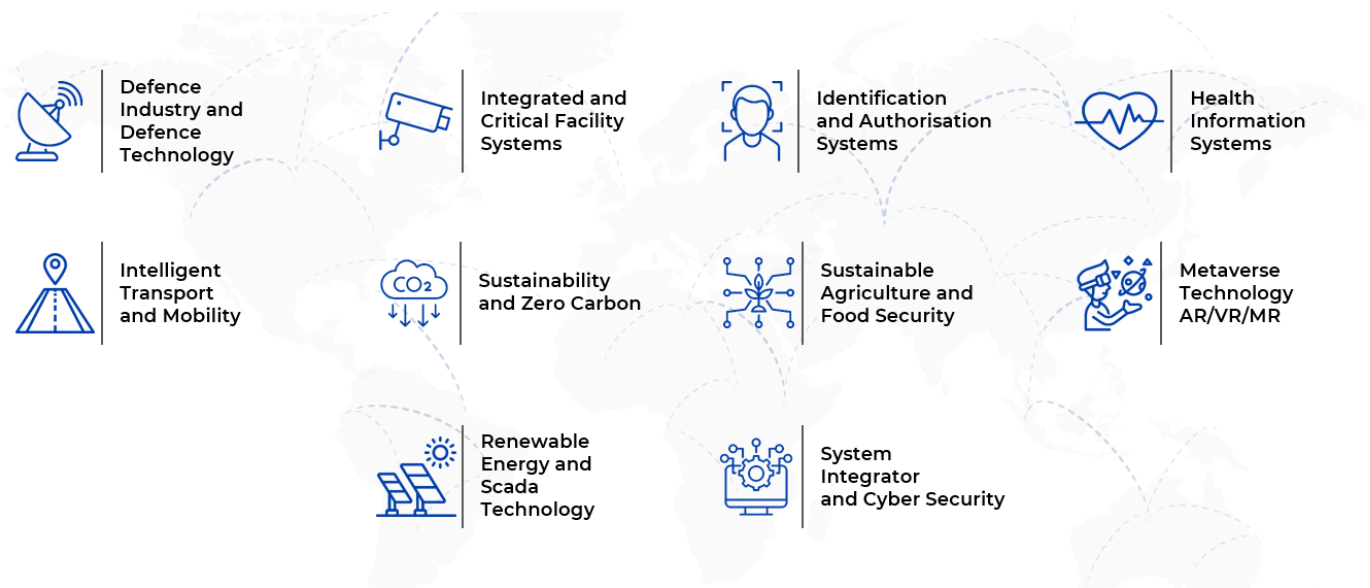
Cyber Security Cluster: Turkey Cyber Security Cluster is a project launched in 2018 and supported by the Presidency of Defense Industries and the Digital Transformation Office. The cluster's activities are carried out by SSTEK A.Ş. and encourages cooperation by bringing together cyber security companies in Turkey.
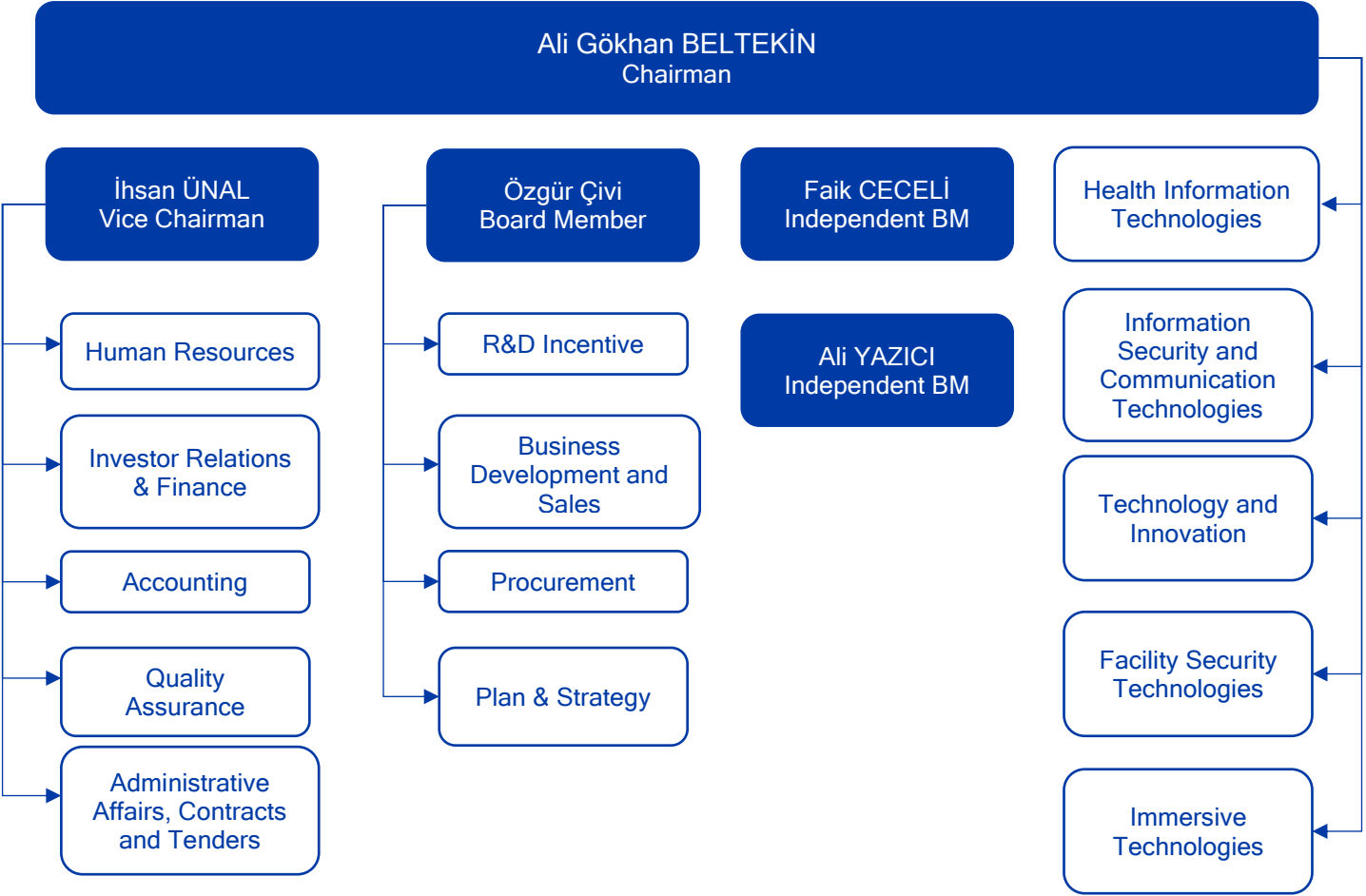
Why MIA Teknoloji?

MIA Teknoloji stands out in the sector with its unique capabilities in providing quality products, high-level service and fast support. The company aims to meet the needs of its customers in the best way with its customer-focused approach and constantly innovative solutions. Moreover, MIA Teknoloji has carried out a wide range of work in different sectors and thanks to this diversity, it offers value to its customers with its rich experience and expertise. Therefore, the reason why MIA Teknoloji is preferred in the sector is that it meets the needs of its customers in the most effective way and helps them optimize their business with its quality products, flawless service approach and strong support system.

Main Sectors

Defence Industry and Defence Technology	Integrated and Critical Facility Systems
Intelligent Transport and Mobility	Sustainability and Zero Carbon
Renewable Energy and Scada Technology	System Integrator and Cyber Security

Identification and Authorisation Systems	Health Information Systems
Sustainable Agriculture and Food Security	Metaverse Technology AR/VR/MR

Organizational Chart

Ali Gökhan BELTEKİN
Chairman

İhsan ÜNAL
Vice Chairman

- Human Resources
- Investor Relations & Finance
- Accounting
- Quality Assurance
- Administrative Affairs, Contracts and Tenders

Özgür Çivi
Board Member

- R&D Incentive
- Business Development and Sales
- Procurement
- Plan & Strategy

Faik CECELİ
Independent BM

Ali YAZICI
Independent BM

- Health Information Technologies
- Information Security and Communication Technologies
- Technology and Innovation
- Facility Security Technologies
- Immersive Technologies

References

T.C. İçişleri Bakanlığı	T.C. Milli Savunma Bakanlığı	T.C. Sağlık Bakanlığı	T.C. Gençlik ve Spor Bakanlığı	T.C. Adalet Bakanlığı	T.C. Milli Milli Eğitim Bakanlığı	T.C. Başbakanlık	Milli Kütüphane
NATO NCIA	Milli Saraylar	Savunma Sanayi Başkanlığı	Jandarma Genel Komutanlığı	Ege Ordu Komutanlığı	2. Ana Jet Üs Komutanlığı	Milli Savunma Üniversitesi	T.C. Emniyet Genel Müdürlüğü
Ankara Büyükşehir Bld.	TEİAŞ	TEDAŞ	TAV Havalimanları	BOTAŞ	Bileşim Finansal Teknolojiler ve Ödeme Sistemleri A.Ş.	Ölçme, Seçme ve Yerleştirme Merkezi	Eti Maden İşletmeleri
Devlet Malzeme Ofisi	Anadolu Üniversitesi	TİKA	Gazi Üniversitesi Teknopark	TOBB	TÜSEB	Ziraat Bankası	DenizBank
Kalyon	Aselsan	AselsanNET	HAVELSAN	NEC	TÜSEB	TOBB Etü Öğrenci Yurtları	TOBB
SIEMENS	TANAP	ARD Bilişim	Papilon Savunma	Azerbeycan Polis Teşkilato	Ankara Şehir Hastanesi	Akdeniz Üniversitesi Hastanesi	Bursa Uludağ Üniversitesi Hastanesi
Ondokuz Mayıs Üniversitesi Hastanesi	Zonguldak Bülent Ecevit Üniversitesi Hastanesi	Çanakkale Onsekiz Mart Üniversitesi Hastanesi	Kahramanmaraş Sütçü İmam Üniversitesi Hastanesi	Düzce Üniversitesi Hastanesi	Balıkesir Üniversitesi Hastanesi	Aydın Adnan Menderes Üniversitesi Hastanesi	

Branches

18+
Years of Experience

130+
Employee

60%
Engineer

BORSA İSTANBUL
BIST50:
#MIATK

Tailor Model
System Development

120+
References

Valuation:
600 Milyon $+

Foreign Subsidiaries, Branches and Representatives ●

Subsidiaries & Affiliates ●
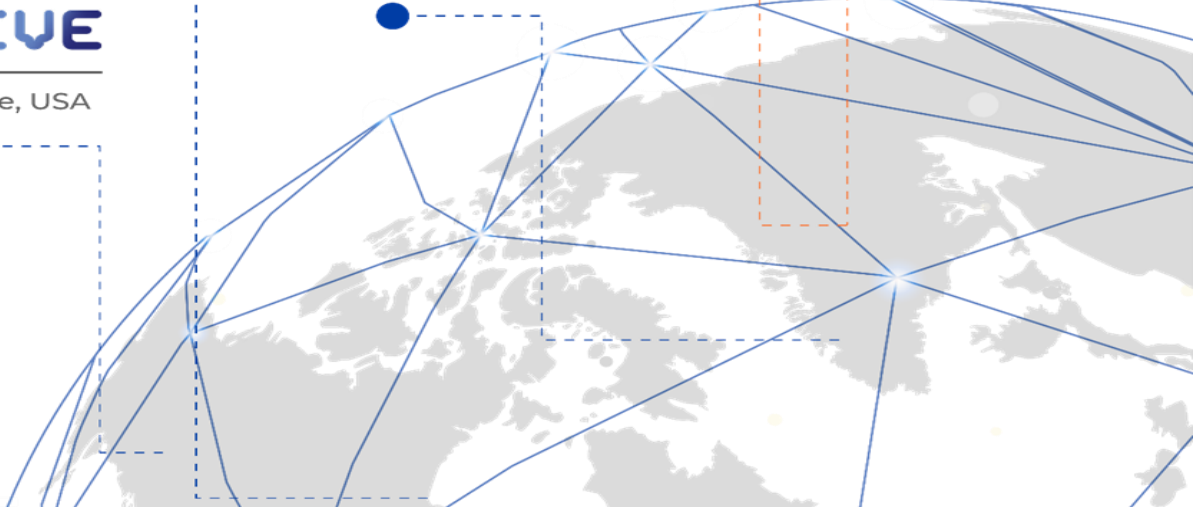
MIATECH CORPORATION
New York, USA

enerjey
Ankara, Türkiye

tripy
Ankara, Türkiye

MIA TURTEK AFRIK
Rabat, Morocco

MEVE
Delaware, USA

1.   Message from the Chairman of the Board

Dear stakeholders,

As MİA Teknoloji, we began the first quarter of 2025 with ambitious goals, and have now closed with a performance exceeding our targets. Despite the various challenges and cyclical issues facing global economies, I am pleased to say that the projects and strategic plans we implemented with the goal of sustainable profitability have positively impacted our business results.

Last year, we won the communications technology tender organized by NATO's Telecommunications and Information Agency (NCIA) and signed the contract for a major project on July 25th. We have completed the first phase of this project, which will provide communications services to NATO with the "Ship-to-Shore Combat System." In the coming period, we will continue to advance by deepening and expanding the experience we have gained in this business line, developing innovative solutions and sustainable projects. To this end, our primary goal is to gain a stronger position in the global market by seizing collaboration opportunities.

Furthermore, we have completed the establishment of our London-based company, MİACorpUK Ltd., which strongly reflects our vision for growth in the UK market. This strategic step solidifies our international investment plans and: It offers the opportunity to leverage our expertise in mobility, artificial intelligence, and smart city technologies on a global scale. MİACorpUK Ltd not only offers operational expansion but also value creation opportunities in the UK. As we lay the foundations for sustainable and scalable growth in the UK, we aim to achieve strong returns in the short term, supported by local partnerships and strategic collaborations. To this end, our company is committed to making exciting investments and partnerships with future-oriented decisions.

Furthermore, Tripy Mobility Teknoloji Anonim Şirketi our wholly-owned subsidiary, continues to develop and expand Türkiye's largest electric bike-sharing system. As of January 2025, we have significantly expanded our electric bike fleet. Thanks to our fully equity-funded investments, the new electric bikes have begun operating in our existing locations. We have also signed an exclusive distributorship agreement with Suzhou Dynalion Technology Co. Ltd., China's leading manufacturer of electric micro mobility vehicles and batteries. This strategic partnership will strengthen Tripy Mobility's position in the international market and contribute significantly to the widespread adoption of sustainable transportation solutions.

In addition to all this, our new software projects are progressing rapidly. Our software projects, "Advanced Visual Production and Editing Platform" and "IoT and API Infrastructure Development for Micro Mobility Vehicles," were approved by referees appointed by Gazi University Teknopark Management on January 20th. We also successfully completed the "MİAKahin" project, developed as part of our R&D efforts in artificial intelligence and machine learning. Our software project, "Micromobility Balancing and Demand Management System," was also approved by Gazi University Teknopark Management.

We sincerely thank all our colleagues who contributed to this journey of success, our business partners who have been unwavering in their support, and our valued shareholders who have consistently shown their faith in us.

Ali Gökhan BELTEKİN
Chairman of the Board

2. GENERAL INFORMATIONS

2.1 Report Duration

This report covers the period between 01.01.2025-30.06.2025.

2.2 Partnership Information

MİA TEKNOLOJİ A.Ş.	
Established	2006-ANKARA
Registered Capital Ceiling	5,000,000,000 TL
Paid/Issued Capital	494,000,000 TL
Tax Office and Number	Ankara Kurumlar V.D. / 621 061 1649
Trade Registry Number	225945
Head Office Contact Information	Gazi Ünv. Gölbaşı Yerleşkesi Bahçelievler Mah. 323/1 Cadde B Blok N10/50-B/03 Gölbaşı Ankara TÜRKİYE
Phone	+90 312 444 4 642
E-mail	info@miateknoloji.com
Website	www.miateknoloji.com
Subject of Activity	Computer Programming Activities (Coding of system, database, network, web page, etc. software and customer-specific software)
Market Where it is Traded	Star Market

2.3 Board of Directors, Company Executives and Employee Information

At the Ordinary General Assembly meeting held on 20.06.2025, the Management Team and their terms were determined as follows.

Name	Duty	Duration
Ali Gökhan BELTEKİN	Chairman of the Board of Directors	20.06.2025 – 20.06.2028
İhsan ÜNAL	Vice Chairman of the Board of Directors	20.06.2025 – 20.06.2028
Özgür ÇİVİ	Board Member	20.06.2025 – 20.06.2028
Ali YAZICI	Independent Board Member	20.06.2025 – 20.06.2026
Faik CECELİ	Independent Board Member	20.06.2025 – 20.06.2026

2.3.1 Authority and Limits of Board Members and Senior Executives

The Chairman of the Board of Directors, its members and the company's senior executives carry out their activities on behalf of the Company with the authorities specified in the relevant articles of the Turkish Commercial Code and the Company's Articles of Association.

2.3.2 Board Committees

Audir 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
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
Faik CECELİ	Chairman	Independent
Ali YAZICI	Member	Independent
İhsan ÜNAL	Member	Non-Independent

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

Name	Duty	Status
Faik CECELİ	Chairman	Independent
Ali YAZICI	Member	Independent
İhsan ÜNAL	Member	Non-Independent
Ahmet DİNÇ	Member	Investor Relations Director

unanimous vote of the participants. The decisions taken at the meetings are put in writing, signed by the members of the Committee and archived.

2.3.3 Number of Board of Directors Meetings During the Term and Member Participation

Our Company's Board of Directors held 16 (sixteen) meetings between January 1, 2025, and June 30, 2025. The Board meeting was held with the participation of our members.

2.3.4 Duties Performed by Board Members and Executives Outside the Company

The duties of the company's board members and managers outside the company are given in the table below.

Name	Title	Duty	Share (%)
Tripy Mobility Teknoloji A.Ş. (MİA Teknoloji A.Ş. Represent)	Tripy Mobility Teknoloji A.Ş.	Chairman	100.00
Ali Gökhan Beltekin (MİA Teknoloji A.Ş. Represent)	Enerjey Enerji A.Ş.	Chairman	70.00
İhsan Ünal (MİA Teknoloji A.Ş. Represent)	Link Bilgisayar Sistemleri Yazılımı ve Donanım Sanayi ve Ticaret A.Ş.	Board Member	14.13

2.3.5 Changes Made to the Articles of Association During the Term

At the 2024 Ordinary General Assembly meeting of our Company held on 20.06.2025, the Capital Markets Board and the Republic of Turkey In accordance with the permissions received from the Ministry of Commerce, the following was added to the 3rd article titled "PURPOSE and SUBJECT" of the Company's Articles of Association: "To manufacture, import and export, wholesale and retail purchase and sale, distribution, service and maintenance services of medical devices and spare parts, laboratory materials, orthopedic instruments and materials, x-ray devices and consumables, surgical instruments and materials, radiology and nuclear medicine products, sterilization materials needed by hospitals, clinics, polyclinics, laboratories, doctors' offices and health institutions; to manufacture, purchase and sale, import and export of components and spare parts of these products; to manufacture, purchase and sale, import and export of all kinds of medical materials, to enter into commitments; to provide medical and project consultancy, medical project design and application services for medical devices, consumables and equipment, and to ensure the supply and installation of relevant equipment and systems within this scope" and to increase the registered capital ceiling of the Company, which is stated in the 6th article titled "CAPITAL" of our Company's Articles of Association, to 750,000,000. It was accepted to increase the registered capital from TL to 5,000,000,000 TL and to determine the registered capital validity period as 2025-2029, and the relevant changes were registered and announced by the Ankara Trade Registry Directorate on 25.06.2025.

2.3.6 Information About Personnel

As of June 30, 2025, the Group employed 145 employees.

2.4. Company's Capital, Partnership Structure and Privileged Shares

2.4.1 Capital

Our company's registered capital ceiling is 5,000,000,000 TL and its issued capital is 494,000,000 TL.

2.4.2 Preferred Shares

A) Privileged Share Amount: 65,000,000.00-TL

B) Explanation Regarding Voting Rights of Preferred Shares: Group A preferred shareholders have 5 votes for each share.

2.4.3 Structure

Share Holders	Share (%)	Voting
Ali Gökhan BELTEKİN	13.30	25.96
İhsan ÜNAL	13.30	25.96
Effective İnvest Yatırım Holding A.Ş.	15.00	9.83
Other	58.40	38.25
Total	**100.00**	**100.00**

2.5 Direct or Indirect Subsidiaries of the Company and Their Share Percentages

Information regarding the subsidiary within the group and included in the consolidation is as follows;

Subsidiary and Affiliate Title	Share (%)	Activity Field
Tripy Mobility A.Ş.	100.00	Micro mobility
Enerjey Enerji	70.00	Energy
Link Bilg. Sist. Yaz. Ve Don. San. ve Tic. A.Ş.	14,13	Development of Special Software Packages

Tripy Mobility Teknoloji Anonim Sirketi ("Tripy") was established on October 5, 2022 and operates in the field of micromobility. Tripy is an "Electric vehicle sharing platform" that aims to meet the sustainable and last-mile needs of users. Founded as a 100% subsidiary of MIA Teknoloji, Tripy is the first private company in Turkey to operate electric bicycles. The difficulty and cost of accessing energy in recent years has led people to use electric vehicles. Tripy aims to increase the variety of electric vehicles it rents in its fleet with an environmentally friendly approach that will reduce traffic congestion and allow people to use vehicles when needed. Tripy, which has an electric vehicle charging station operating license, is expanding its areas of activity to popularize and facilitate the use of electric vehicles. Tripy currently continues its electric

bicycle sharing service in Eskişehir and continues its negotiations to operate in other cities. Tripy's legal headquarters is Bahçelievler Mah. 323/1 Cad. Block C Gazi University Technopolis Building No: 10/50c Interior Door No: 101 Gölbaşı / Ankara.

The paid-in capital of the company is 10,000,000 TL as of June 30, 2025.

Enerjey Enerji A.S. was established in order to operate in the field of energy and make investments in this field, as announced in the Turkish Trade Registry Gazette dated April 26, 2023 and numbered 10819, with a 70% partnership with Mia Teknoloji A.Ş. The main field of activity of the company is to provide turnkey engineering, supply, construction and operation & maintenance services in the field of energy, as well as software solutions with artificial intelligence in the renewable energy sector. The main capital of the company is 1,000,000 TL.
Enerjey's legal address is Bahçelievler Mahallesi, 323/1 Cadde, C Blok, Gazi Üniversitesi Teknokent Binası No 10/50c İç Kapı No: 129 Gölbaşı/Ankara.
The establishment and registration procedures of Nouzi Energie S.R.L., which was established in Bucharest, Romania as a 100% Enerjey subsidiary, were completed on 11.10.2023 in order to develop Photovoltaic Solar Energy and Electricity Production Plant (GES) projects and to carry out joint venture projects with own resources and/or international finance and investment institutions.

Link Bilgisayar Sistemleri Yazılımı Ve Donanımı Sanayi Ve Ticaret A.Ş. Founded in 1984 by a group of young entrepreneur engineers with 100% Turkish capital, Link Computer Systems Software and Hardware Industry and Trade Inc. develops software that enables businesses to perform integrated Enterprise Resource Planning (ERP) operations such as sales, marketing, purchasing, inventory management, warehouse-store management, current account, finance, production, budget planning, human resources, fixed assets and accounting.
The software packages that Link Computer continues to develop using the latest technologies in the world are used by companies of all sizes from every sector. In addition, business partner companies that develop integrated special software solutions to meet the various software needs of businesses using Link package programs or offer sectoral solutions by integrating their own vertical sector solutions into Link package programs are also among the members of Link Computer distribution channel.
The biggest reason for Link's market share is its dominance in Legal Legislation. In addition to its 30 years of experience, Link always keeps customer satisfaction at the highest level with its strong products and quality after-sales support. It was offered to the public in 2000 and is traded on Borsa Istanbul under the name "LINK". Link Bilgisayar, which has over 180 solution partners and dealers throughout Turkey today, has proven its indisputable superiority in e-Transformation (e-Invoice, e-Ledger, e-Archive, e-Delivery Note, etc.) applications, in addition to having 25% of the market share.

3. FINANCIAL BENEFITS PROVIDED TO BOARD MEMBERS AND SENIOR EXECUTIVES

The total gross salary paid to the members of the Board of Directors and senior executives during the period 01.01.2025 - 30.06.2025 is 11,638,780.97 TL.

4. COMPANY ACTIVITIES

4.1 General Activities of the Company

In the 3rd article of the company's articles of association titled "Purpose and Subject", the company's subject of activity is defined as follows; To design, maintain and sell all kinds of systems, software related to computers and information technologies, To design, maintain and sell all kinds of systems, software related to information security, To provide electronic signature and electronic certificate, To provide software and system integratorship, Consultancy and Engineering, Education and Consultancy Industrial design, To design all kinds of biometric (fingerprint, iris recognition, vein recognition, face recognition) systems, to establish biometric system networks, to produce their software, to provide sales, maintenance, repair and technical support for these systems,

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

The actual subject of activity of the company can be defined as follows;

The company has been operating in the fields of R&D, Innovation, Software Development, Integration and Solution Provision within Gazi Teknopark since 2006.

ISO IEC 15504/SPICE Lvl 2 Software Development Maturity Certificate, 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 Technologies Service Management System, Facility Security Certificate NATO & National, 7/24 Call Center, Support and SLA Management, Military Factories Approved Supplier certificates. The company also attaches great importance to R&D studies, and actively works with public institutions and private sector organizations in Turkey and leading companies in the international arena with innovative software and projects. It also provides solution partnerships with various institutions and organizations with tailor-made models and turnkey solutions.

Continuing its collaboration with important university hospitals in the field of health, the company contributes to the formation of hospitals that are manageable at high standards, suitable for the competitive environment and technological developments of the day, covering the needs of the health sector with the MIA-MED Hospital Information Management System (HIMS) software. In addition, it offers systems that can significantly solve the needs of a facility by offering an improvable infrastructure with the PizzyKurum - Integrated Facility Security and Control Systems software and works with many institutions in the sector.

The company works as a system integrator with software developers, manufacturers and companies with important brand value in Turkey such as Aselsan, Havelsan, İnnova, Türksat Bilişim, NEC in many sectors, especially in the IT and healthcare sectors.

The company is an IT company established in 2006 to operate in the field of software. Since its establishment, it has been developing software products for the practical field requirements of the sector in the IT sector and serving public and private institutions in many areas.

4.2 Information on Investments Made by the Company in the Relevant Accounting Period

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.

Obstacle Detection with Depth Analysis and Image Processing for Aircraft

In the project, unmanned aerial vehicles will be provided with automation and learning-based obstacle detection feature. With the platform we want to develop, obstacle detection will be done with automation and a decision support mechanism will be provided. In addition, remote mapping and virtualization with time of flight camera, learning to an automation and obtaining geographical information for special scenarios are innovative aspects. It also provides some innovative outputs in terms of security of critical areas, border security, flight areas and object detection. Especially for GIS systems, a new method will be gained in special and difficult areas. Closing a missing system for defense industry and national aviation can also be considered as another innovative aspect.

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 MİA-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. MİA 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.

MİA 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 gim 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

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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_2 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 micro mobility 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 Mobility GPS 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 aut omatic 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.
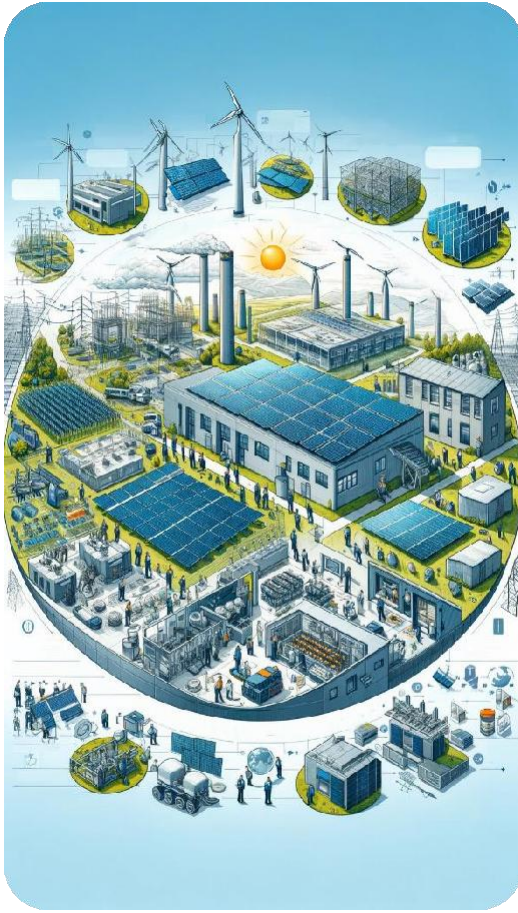
5.9 Renewable Energy Solutions

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.
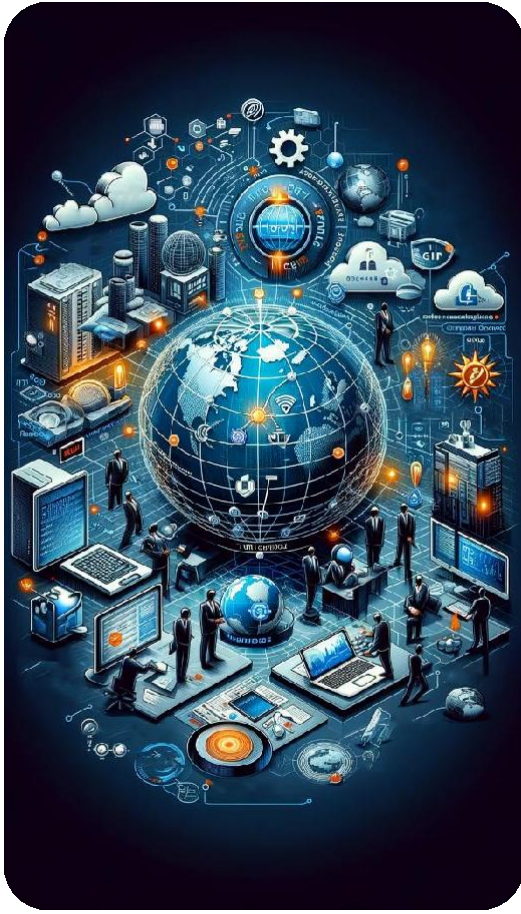
5.12 Information Technologies and Security Services

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
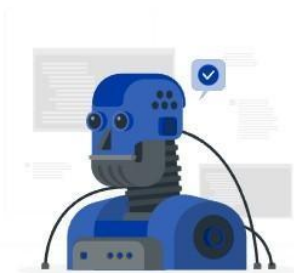
Generative AI Investments: According to research in the 2025 edition of the EY Future of Industries Survey, companies globally are investing more in emerging technologies every year and expanding their pilot deployments. Innovative technologies like generative artificial intelligence (GenAI), 5G, and 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

5. DEVELOPMENT AS OF THE SECOND QUARTER OF 2025

- The software project, titled MİA HealthAI Project, was approved by Gazi University Technopark Management with a start date of March 15, 2025, following a notification submitted on April 16, 2025. The project budget is 9,720,000.00 TL, and the project is expected to be completed within 18 months. The solution to be developed will be an artificial intelligence-based healthcare management service that will accelerate digital transformation in the healthcare sector, optimize costs, and increase operational efficiency. This solution will integrate with the existing Hospital Information Management System (HIS) and include various modules to improve hospital processes. The project aims to deliver revolutionary innovations, particularly in the areas of inventory management, supply chain, billing, and financial analysis.

- In accordance with the agreement signed between our company's partnership and the NATO Communication and Information Agency (NCIA), the Ship-Shore-Ship Buffer (SSSB) Project, currently underway in the United Kingdom, the Netherlands, and Greece, is progressing smoothly as planned. In this context, the first phase of the project has been completed, and the first progress payment, as specified in the project plan, has been made. Our first progress payment is €3,337,193.59, and we will update our investors as further progress payments are received.

- In line with our company's global business development activity targets and previously announced focus sectors, namely Mining Technologies, Artificial Intelligence (AI) and Robotics, Defense, High Technology (Data Centers, Industry-Independent Decision Intelligence Platforms), Life Sciences (Medicine, Stem Cells, AI Applications), and Energy (Small Modular Reactors - SMR), a Memorandum of Understanding and Cooperation Agreement has been signed with two companies based in the United States, valid in North and South America, the Middle East and North Africa, the Turkic Republics, and the Gulf Countries.

- The agreements are aimed at developing and distributing advanced defense sector technologies and solutions, including technology transfer; establishing and improving high-tech infrastructures such as new generation mining information technologies and field applications, artificial intelligence integrations, advanced data centers and industry-independent decision intelligence platforms; initiating innovation and research in the field of life sciences focusing on medical technologies, stem cell advances and AI-driven solutions; and distributing and commercializing energy sector initiatives, particularly small modular reactors (SMRs).

- Our PERI-SHIFT - Transforming Peri-Urban Areas into Climate-Neutral Mobility Hubs through Digital Governance and Sustainable Connectivity project, coordinated by MİA Teknoloji A.Ş. and developed with the participation of 28 institutions from 12 different countries, was highly successful following an evaluation by the European Commission. The project, which applied to the HORIZON-MISS-2024-CIT-01 call with a total budget of €9 million, aims to develop AI-supported mobility and sustainable logistics solutions in rural and peri-urban areas, transforming these areas into climate-neutral mobility hubs. Pilot projects are being carried out with municipalities in Romania (Bucharest), Italy (L'Aquila), and the Netherlands (Rotterdam). Although our project did not secure funding, it received high marks in the European Commission's evaluation for its level of innovation, potential impact, and the quality

of its implementation plan. This strong evaluation of the PERI-SHIFT project demonstrates that the solutions we have developed at the international level are also appreciated by the European Commission. As a consortium, we plan to further strengthen our project based on the feedback we receive and resubmit our application in 2025.

- As part of our company's international R&D and innovation-based business development strategies, we signed a Memorandum of Understanding (MoU) and Non-Disclosure Agreement (NDA) with the Spain-based ISAAAC Association (Integration of Industry, Internet of Things, System of Systems, Autonomy, Algorithms, and Complex Systems), in line with our goal of increasing our effectiveness in global technology and innovation ecosystems, particularly in the European Union. ISAAAC is an international, non-profit organization that brings together industry, academia, and public stakeholders to promote R&D, innovation, and multi-stakeholder collaborations in areas such as the Internet of Things, Artificial Intelligence, Systems Engineering, and Autonomous Systems. The aim is to jointly develop international research and innovation projects across industry, academia, and the public sector. We also explore strategic collaboration opportunities in high-value-added areas such as smart cities, disaster management, cybersecurity, artificial intelligence, and digital twin technologies. We also aim to implement socio-economic impact-focused solutions that will create new-generation entrepreneurship and employment opportunities. We also aim to establish project partnerships in European Union-supported R&D projects and securely share knowledge in the international arena. This collaboration contributes to our company's global vision and represents a significant step in sustainable technology production and knowledge-based economic gains.

- Our company has received an order of $750,000.00 from a foreign company for the development and maintenance of components and services for Intelligent Transportation Systems:

  - Driver Blacklist Tracking
  - Driver License Management
  - Inventory Management
  - RMA Tracking System
  - Inventory Tracking System

  We have received an order for the development of components and the provision of maintenance services in the amount of USD 750,000. The order was mutually signed on May 26, 2025. Furthermore, our ongoing Intelligent Transportation Systems project in Thailand continues to grow rapidly globally and expand our presence in international markets.

6. 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 (ı) 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.
- Half of the 5-point discount and the remaining 15%, 5 employer share (7.75%) is calculated on PEK.

7. OTHER IMPORTANT INFORMATION

7.1 Related Party Transactions

For the purposes of the consolidated financial statements, shareholders, senior executives, and members of the Board of Directors, their families, and companies, affiliates, and partnerships controlled by or affiliated with them are considered and considered related parties. The Group conducted transactions with related parties during the period due to its ordinary activities, details of which are available in the Independent Audit Report.

7.2 Profit Distribution

Our Company achieved a net profit of TL 2,477,812,304 according to the financial statements for the accounting period from January 1, 2024 to December 31, 2024, prepared in accordance with the mandatory formats determined by the CMB and the Turkish Accounting Standards/Turkish Financial Reporting Standards (TMS/TFRS) within the scope of the Capital Markets Board (CMB) Communiqué II-14.1 on Principles Regarding Financial Reporting in Capital Markets (CMB Financial Reporting Communiqué), and audited by Karar Independent Auditing and Consulting Inc. The proposal regarding the non-distribution of profit in order to further strengthen the current balance sheet structure of our Company, to ensure a healthier management of cash flow for the upcoming period, and to support R&D investments was accepted at the Ordinary General Assembly Meeting dated June 20, 2025.

7.3 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.

f) 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.

7.4 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 MİA 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 MİA 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.

7.5 Information on Legislative Changes That Will Significantly Affect the Company's Activities

There are no changes in legislation that will significantly affect our Company's activities between January 1, 2025 and June 30, 2025.

7.6 Significant Events That Occurred During the Reporting Period

N/A

7.7 Events That Occurred During The Reporting Period Until The Publication Date

• Tripy, our subsidiary, Tripy Mobility Technology Inc., has initiated detailed discussions with a France-based global investment company regarding strategic partnerships and investments. In this context, a "Non-Disclosure Agreement" and a "Business Introducer Agreement" were signed with the company. In this context, preliminary discussions were held with the company, one of the world's leading investment groups, to evaluate investment and strategic partnership opportunities. This investment group's extensive portfolio in technology and the digital economy is crucial for accelerating our companies' growth strategies on a global scale.

• The MİA-Health Integration Information System V2 project was approved by Gazi University Technopark Management with a start date of 01.06.2025 following the notification sent on 08.07.2025.

The project budget is 12,276,000.00 TL, and the project is expected to be completed within 18 months.

- The MIA-Health Integration Information System V2 is a centralized, web-based health information system designed to strengthen digitalization, data integration, and management capacity in the Turkish healthcare sector. It will enable hospitals, physicians, ambulance services, pharmacists, opticians, and other healthcare stakeholders to manage their medical processes on an integrated platform.

- In addition to the existing infrastructure, the new version will incorporate cutting-edge technologies such as artificial intelligence-supported analysis, big data processing, mobile access, compliance with international standards such as HL7 and FHIR, and blockchain-based data security. It will combine blood information management, medication and supply tracking, patient referral and appointment management, cancer records, vaccination applications, organ donation, and death notification systems in a modular and integrated structure. By integrating with institutions such as the Ministry of Health, the Social Security Institution (SGK), the Ministry of Finance, and the Council of Higher Education (YÖK), it provides reliable data to public administrations and aims to increase efficiency, traceability, and transparency in healthcare processes.

- The Bursa Yenişehir Airfield Command Perimeter Security System project, which was carried out by our company and had a delivery time of 120 days, was completed within 90 calendar days and an invoice was issued for the amount of 26,987,654.00 TL excluding VAT.

- The MİA-MED - Artificial Intelligence-Assisted Medical Billing System project was approved by the Gazi University Technopark Management on July 15, 2025, with a start date of June 1, 2025. The project budget is 12,276,000.00 TL, and the project is expected to be completed within 18 months. The MİA-MED - Artificial Intelligence-Assisted Medical Billing System offers an AI-powered solution developed to address this challenge. By combining natural language processing (NLP) and machine learning (ML) technologies, the system aims to automate healthcare institutions' billing processes from start to finish, ensuring high accuracy and efficiency at every stage of the process.

- Following notification by Gazi University Technopark Management on July 18, 2025, the project was approved with a start date of June 1, 2025. The project budget is TL 12,320,000.00, and the project is expected to be completed within 18 months. The project aims to provide training on the use of costly, complex technical equipment used in the defense and industrial sectors using virtual reality (VR) technology. The system to be developed within the scope of the project is a scenario-based, interactive VR training simulation equipped with one-to-one digital models of real equipment. The training system will be developed with the Unity game engine and will be mobile, standalone, and integrated with Oculus Quest 3 headsets. This structure will allow the system to be easily used in the field or in training centers, increasing accessibility through device independence. The simulation, which will be developed to train specialized personnel in regions where access to real devices is limited, will utilize Blender software for 3D modeling and Substance Painter for physically realistic surface coatings. Using the XR Interaction Toolkit, inverse kinematics-supported hand-arm gestures, haptic feedback systems, and control panels capable of natural user interaction will be developed. This will significantly reduce training costs and allow users to acquire functional knowledge and skills

without requiring physical contact with critical equipment. The project appeals to a wide target audience, including defense institutions, industrial manufacturing companies, technical vocational schools, and R&D centers.

- In accordance with the decision taken by Tripy Mobility Technology Inc., our company has decided to invest in a new digital platform that will operate in the field of mobile app-based taxi hailing technology to diversify urban transportation solutions in Türkiye and internationally. The taxi hailing application to be developed aims to contribute to the digitalization of passenger transportation services in Türkiye and offer multimodal transportation solutions by integrating taxis into the Tripy user ecosystem. Given that there are approximately 90,000 registered yellow taxis across Turkey and that the taxi hailing market is a growing digital segment, Tripy aims to play an active role in this market. This new solution, which will integrate with our existing mobility products, will be designed to streamline the user experience through a single application. The investment process will be implemented gradually, along with product development and pilot implementation phases.

- The invoice for the Antalya Airport Command IP Based Perimeter Security and Camera System project carried out by our company was completed with an amount of 15,571,838.00 TL excluding taxes.

- Our company, which develops systems for biometric identity-based banking services both globally and in Turkey, has successfully completed another significant delivery as part of its collaboration with one of Turkey's most established and influential public banks. To enable the bank to provide its new services more effectively, quickly, and securely, the required Biometric Facial Recognition Access Control Systems were quickly installed and successfully delivered to all branches across Turkey. Invoices issued for this purpose totaled 20,050,381.51 Turkish Lira, including taxes. With our innovative solutions and robust engineering infrastructure, we continue to maintain our leading role in biometric security technologies on both a national and global scale.

7.8 Disclosures Regarding Private Audits and Public Audits Conducted During the Accounting Period

There were no private or public audits conducted during the accounting period between January 1, 2025 and June 30, 2025.

7.9 Information on Lawsuits Filed Against the Company That May Affect the Company's Financial Situation and Activities and Their Possible Outcomes

There are lawsuits filed against our company, and there are no potential outcomes that could affect the company's financial condition or operations. These are low-matter cases.

7.10 Administrative or Judicial Sanctions Imposed on the Company and its Management Body Members Due to Practices Contrary to Legislative Provisions

There are no administrative or judicial sanctions imposed on the company or its members of the management body due to practices contrary to the provisions of the legislation in the relevant accounting period.

7.11 Information Regarding the Extraordinary General Assembly, Including the Date of the Meeting, the Decisions Taken at the Meeting, and the Procedures Performed in Relation to It

There is no Extraordinary General Assembly Meeting held between 01.01.2025 - 30.06.2025.

7.12 Donations and Aid Made by the Company During the Period and Expenditures Made Within the Framework of Social Responsibility Projects

Our company has spent 2,218,070 TL within the period of 01.01.2025 - 30.06.2025 within the framework of donations and aids and Social Responsibility Projects.

7.13 The Company's Own Shares Acquired

The company has no acquired shares.

7.14 Conflicts of Interest Between the Company and Institutions from Which It Receives Services, Such as Investment Advisory and Rating

The company does not receive any services from investment advisory or rating agencies.

8. CONSOLIDATED FINANCIAL STATEMENT AS OF 30.06.2025

Consolidated statement of financial position as of June 30, 2025 (Amounts expressed in Turkish Lira (TL) unless otherwise stated.)

MİA TEKNOLOJİ ANONİM ŞİRKETİ

Consolidated Statement of Financial Position for January 1 - June 30, 2025

(Unless otherwise stated, amounts are expressed in Turkish Lira ("TL") based on the purchasing power of the Turkish Lira as of June 30, 2025.)

	Footnote No	30.06.2025	31.12.2024
ASSETS			
Current Assets			
Cash and cash equivalents	[3]	825.139.712	995.024.695
Financial investments	[4]	–	–
Trade receivables	[5]	1.628.719.195	1.524.205.683
• Trade receivables from related parties		794.250.868	1.114.793.783
• Trade receivables from unrelated parties		834.468.327	409.411.900
Other receivables	[7]	24.737.537	139.555.563
• Other receivables from related parties		23.650.687	15.492.023
• Other receivables from unrelated parties		1.086.850	124.063.540
Stocks	[9]	27.998.335	43.090.008
Prepaid expenses	[15]	369.754.362	116.572.639
• Prepaid expenses to related parties	–	–	66.273
• Prepaid expenses to unrelated parties	–	369.754.362	116.506.366
Current tax-related assets	[16]	2.921.848	6.881.573
Other current assets	[17]	35.848.845	26.554.705
Total Current Assets		**2.915.119.834**	**2.851.884.866**
Fixed Assets			
Investments in affiliates, joint ventures and subsidiaries		2.104.158.473	1.858.011.107
Other receivables	[7]	3.100.446	28.561.059
• Other receivables from related parties		–	28.561.059
• Other receivables from unrelated parties		3.100.446	–
Investment properties	[10]	53.611.671	53.611.671
Tangible assets	[11]	306.450.030	306.993.142
Rights of use	[12]	3.344.359	4.808.765
Intangible assets	[13]	2.517.141.213	2.194.124.765
Prepaid expenses	[15]	980.637	–
Other fixed assets	[17]	1.925.433	–
Total Fixed Assets		**4.990.712.262**	**4.446.110.509**
TOTAL ASSETS		**7.905.832.096**	**7.297.995.375**

MIA TEKNOLOJI ANONIM ŞIRKETI
Consolidated Statement of Financial Position for January 1 – June 30, 2025
(Unless otherwise stated, amounts are expressed in Turkish Lira ("TL") based on the purchasing power of the Turkish Lira as of June 30, 2025.)

RESOURCES	Footnote No	30.06.2025	31.12.2024
Short-Term Liabilities			
Short-term borrowings	[6]	805.391.273	578.804.264
Short-term portions of long-term borrowings	[6]	103.305.281	107.306.465
Other financial liabilities	[6]	579.208	1.238.923
Trade payables	[5]	418.204.036	514.198.292
• Trade payables to related parties		139.483.622	—
• Trade payables to unrelated parties		278.720.414	514.198.292
Payables under employee benefits	[18]	13.133.339	12.327.935
Other debts	[7]	66.542.796	56.634.369
• Other payables to related parties		66.488.796	56.571.365
• Other payables to unrelated parties		54.000	63.004
Derivative instruments	[8]	—	2.688.713
Deferred income	[15]	193.514.248	202.688.625
Current income tax liability	[16]	2.294.658	4.933.528
Short-term provisions	[19]	8.267.886	4.366.211
• Short-term provisions for employee benefits		3.734.228	3.717.850
• Other short-term provisions		4.533.658	648.361
Other short-term liabilities	[17]	2.101.117	2.451.830
• Other short-term liabilities to unrelated parties		2.101.117	2.451.830
Total		**1.613.333.842**	**1.487.639.155**
Total Short-Term Liabilities		**1.613.333.842**	**1.487.639.155**
Long-Term Liabilities			
Long-term borrowings	[6]	56.050.212	128.516.760
Other financial liabilities	[6]	85.651	746.070
Other debts	[15]	—	28.561.059
• Other payables to related parties		—	28.561.059
Long-term provisions	[19]	9.603.073	10.615.027
Deferred tax liability	[16]	257.160.341	105.131.320
Total Long-Term Liabilities		**322.899.277**	**273.570.236**
TOTAL LIABILITIES		**1.936.233.119**	**1.761.209.391**
Equity			
Equity of the parent company		**5.968.474.875**	**5.529.811.222**
Paid-in capital	[20]	494.000.000	494.000.000
Capital adjustment differences	[20]	569.352.092	569.352.092
Capital advances	[20]	194.025.311	194.025.311
Share premiums (discounts)	[20]	435.980.447	435.980.447
Accumulated other comprehensive income (expenses) that will not be reclassified to profit or loss	[20]	6.702.141	4.321.615
Restricted reserves allocated from profit	[20]	97.226.963	71.514.649
Retained earnings or losses		3.734.904.794	1.199.716.992
Net profit or loss for the period		436.283.127	2.560.900.116
Non-controlling interests		**1.124.102**	**6.974.762**
TOTAL EQUITY		**5.969.598.977**	**5.536.785.984**

9. CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME AS OF 30.06.2025

Consolidated statement of comprehensive income as of June 30, 2025 (Amounts expressed in Turkish Lira (TL) unless otherwise stated.)

MİA TEKNOLOJİ ANONİM ŞİRKETİ

Consolidated Statement of Comprehensive Income for the Period January 1 – June 30, 2025

(Unless otherwise stated, amounts are expressed in Turkish Lira ("TL") based on the purchasing power of the Turkish Lira as of June 30, 2025.)

	Footnote No	01.01.2025 30.06.2025	01.01.2024 30.06.2024	01.04.2025 30.06.2025	01.04.2024 30.06.2024
Revenues	[21]	1.105.976.433	1.796.388.831	570.127.236	413.144.809
Cost of Sales	[21]	-725.780.980	-464.478.782	-437.307.751	-279.899.606
GROSS PROFIT/LOSS		380.195.453	1.331.910.049	132.819.485	133.245.203
General administrative expenses	[22]	-87.427.337	-58.894.768	-53.376.252	-31.916.931
Other income from main activities	[23]	129.413.837	1.867.398	-203.737.719	-3.480.335
Other expenses from main activities	[23]	-202.709.135	-2.787.967	76.220.476	-2.384.999
MAIN OPERATING PROFIT/LOSS		219.472.818	1.272.094.712	-47.963.193	95.462.938
Income from investment activities	[24]	245.951.413	169.058	245.831.717	61.270
Expenses from investment activities	[24]	-563.735	-270.766	89.808.050	-270.766
OPERATING PROFIT/LOSS BEFORE FINANCE EXPENSE		464.860.496	1.271.993.004	287.676.574	95.253.442
Financing income	[25]	128.066.209	56.999.775	69.466.351	40.946.317
Financing expenses	[25]	-136.241.784	-179.720.047	-36.253.937	-107.900.872
Net monetary position gains (losses)	[26]	127.360.158	-220.155.427	255.918.371	-137.791.367
CONTINUING OPERATIONS PRE-TAX PROFIT/LOSS		584.045.079	929.117.305	576.807.359	-109.492.480
Continuing Operations Tax Expense/Income		-153.612.612	13.814.494	-179.605.504	72.342.565
• Period tax expense/income	[16]	-2.294.658	0	-2.294.658	0
• Deferred tax expense/income	[16]	-151.317.954	13.814.494	-177.310.846	72.342.565
CONTINUING OPERATIONS PERIOD PROFIT/LOSS		430.432.467	942.931.799	397.201.855	-37.149.915
DISCONTINUED OPERATIONS PERIOD PROFIT/LOSS	0	0	0	0	0
PERIOD PROFIT/LOSS		430.432.467	942.931.799	397.201.855	-37.149.915
Distribution of Profit/Loss for the Period		430.432.467	942.931.799	397.201.855	-37.149.915
Non-controlling interests		-5.850.660	2.529.611	-7.366.451	2.034.241
Parent partnership interests		436.283.127	940.402.188	404.568.306	-39.184.156
Earnings Per Share	[27]	0,871321	1,908769	0,804052	-0,075202
Earnings per share from continuing operations		0,871321	1,908769	0,804052	-0,075202
Items Not to Be Reclassified to Profit or Loss		2.380.526	-7.049.844	12.645	-15.334.115
Defined Benefit Plans Remeasurement Gains (Losses)	[20]	3.091.593	-9.155.642	16.424	-19.914.439
Taxes on Other Comprehensive Income That Will Not Be Reclassified to Profit or Loss		-711.067	2.105.798	-3.779	4.580.324
• Deferred Tax (Expense) Income		-711.067	2.105.798	-3.779	4.580.324
Items to be Reclassified to Profit or Loss	0	0	0	0	0
OTHER COMPREHENSIVE INCOME		2.380.526	-7.049.844	12.645	-15.334.115
TOTAL COMPREHENSIVE INCOME		432.812.993	935.881.955	397.214.500	-52.484.030

12. Financial Assessment

- ✓ Looking at the balance sheet, despite inflation accounting practices, our asset and equity structure remains flat.

- ✓ The share of liabilities in our total assets remained low at 24.5% as of the first six months of 2025.

- ✓ Despite the challenging economic climate and the uncertainties brought by inflation accounting, our turnover in the first six months of the year was 1,105,976,433 TL.

- ✓ Our gross profit margin in the first six months was 34.4%.

- ✓ Our net profit in the first six months was 430,432,467 TL.

- ✓ Our EBITDA profit in the first six months was 385,911,694 TL.

- ✓ We aim to maintain our financial performance in 2025.

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

Ali Gökhan BELTEKİN
Chairman

Özgür ÇİVİ
Board Member

İhsan ÜNAL
Vice Chairman

Ali YAZICI
Independent Board Member

Faik CECELİ
Independent Board Member

Regards,
30.06.2025