

**ACTIVITY
REPORT**

—
2024/09

We Care About Your Dreams...

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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 \$622 Million. MIA; 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 Teknoloji 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



2022 Bilisim500 Awards



2023 Bilisim500 Awards



2021 Bilisim500 Awards



Deloitte Technology Fast 50
2021 Turkey Winner



2020 Yılı Bilişim500 Ödülleri



Ankara Ticaret Odası

Ankara Ticaret Odası
İhracat Katkısı



2019 Yılı Bilişim500 Ödülleri

CERTIFICATES



Facility Security
Certificate
(National / NATO)



Military Factories
Approved Supplier



ISO IEC 15504 /
SPICE Lvl 2



EAL 4+



ISO 9001:2015



ISO 14001:2015



ISO 20000-1:2011



ISO 45001:2018



ISO 22301:2012



ISO 27001:2017



ISO 39901:2012

Management Board



**Ali Gökhan
BELTEKİN**

Yönetim Kurulu Başkanı



İhsan ÜNAL

Yönetim Kurulu Üyesi



Özgür ÇİVİ

Yönetim Kurulu Üyesi



Ali YAZICI

Bağımsız Yönetim Kurulu Üyesi



Faik CECELİ

Bağımsız Yönetim Kurulu Üyesi

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?

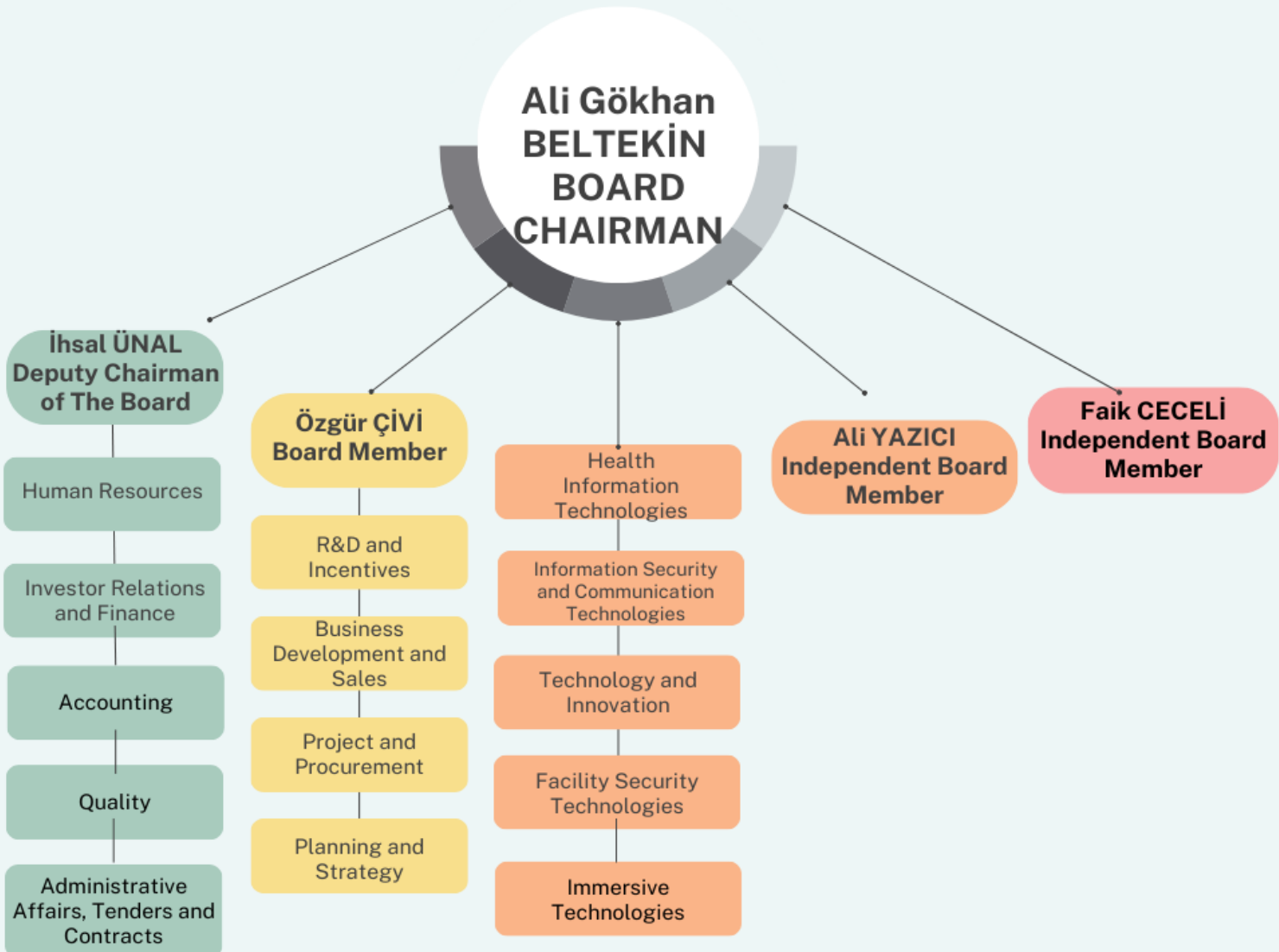
MIA Teknoloji stands out in the sector with its unique capabilities in providing quality products, high-level service and fast support. The company aims to meet the needs of its customers in the best way with its customer-focused approach and constantly innovative solutions. Moreover, MIA Teknoloji has 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

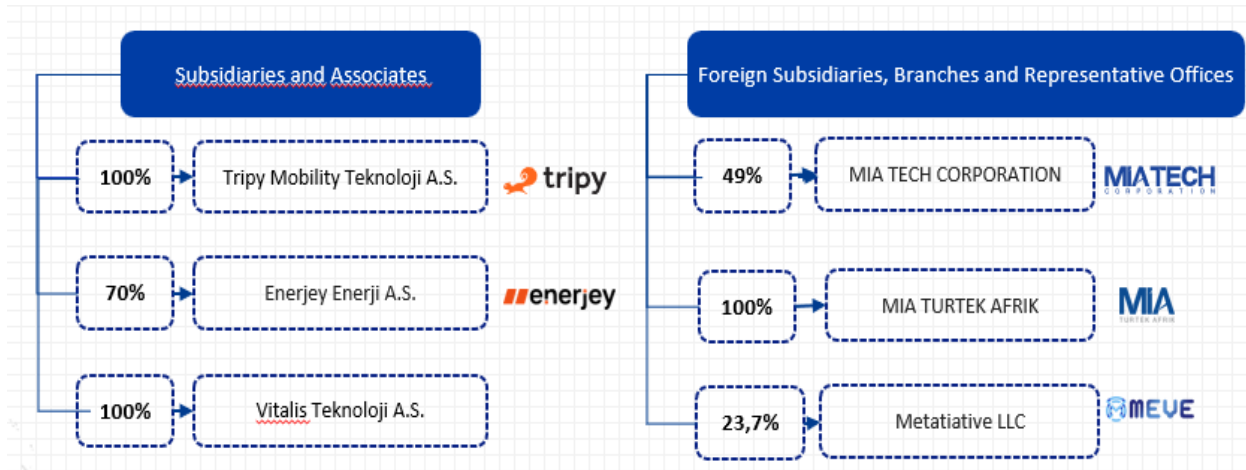
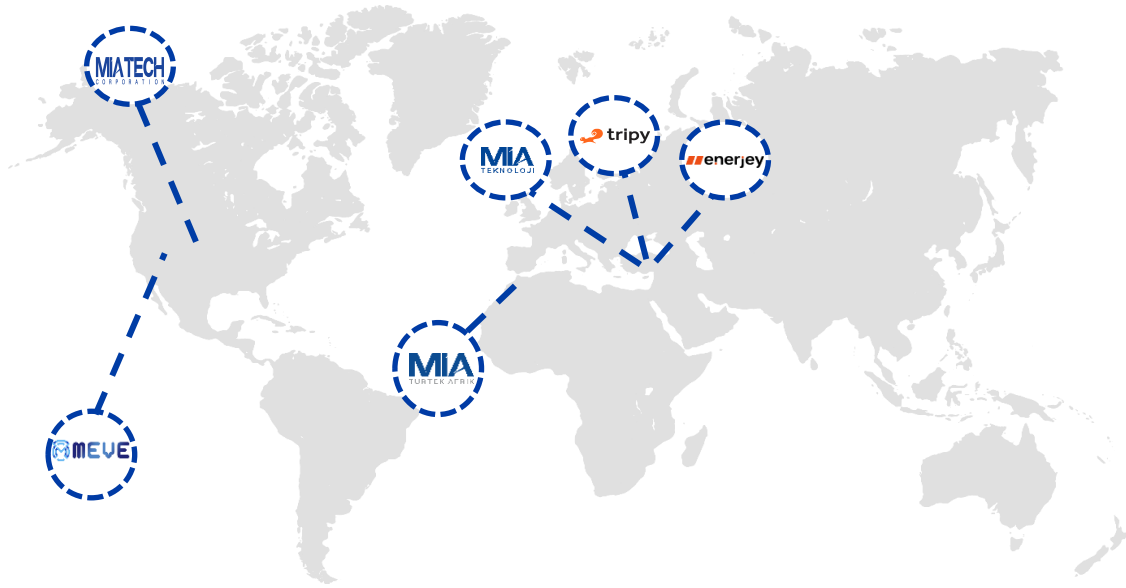
Sectors



Organizational Chart



Office & Branches



Establish 2006	Staff +160	Offices 6	Engineer Rate %65
References +110	Countries +3	Valuation 622 Milyon \$+	

1. Message from the Chairman of the Board of Directors

As MIA Teknoloji, we continue to successfully continue the year 2024, which we started with big goals. Despite the various difficulties and cyclical problems faced by the world economies, I would like to happily state that the projects and strategic plans we implemented with the aim of sustainable profitability have positively reflected on our business results. Many projects implemented by MIA Teknoloji with its highly equipped and experienced team have started to bear fruit during this period and have turned into global collaborations. We signed the contract for a giant project on July 25 by winning the communication technology tender organized by NATO's Telecommunications and Information Agency (NCIA). This project, in which we will provide communication services to NATO with the 'Ship Coastal Ship Combat System', is considered the largest project undertaken by Turkey in the field of defense industry systems technologies in NATO. This project is also of great importance in terms of revealing the horizons of MIA Teknoloji's work in the defense industry and the range it can reach. Our investments and R&D studies on defense technologies, which we handle with a broad vision and a holistic approach, will continue at full speed.

We have entered a brand new era in health informatics software. We have reached a new partnership structure by selling 51 percent of our New York-based MIA Tech Corporation, which holds the license rights for all of MIA Teknoloji's health software, to a US-based company. We believe that our new US-based partner, which operates in many countries with its capital of over 2 billion dollars and global investment network, will make significant contributions to our business development goals. With this partnership, we will further expand our activities in the international health informatics market, especially in the Gulf countries and the North American continent. On the other hand, we continue to provide comprehensive services to our customers on sustainability, one of the most important agenda items of today, and offer customized collaborations and solutions with the awareness that each institution has a different culture, with the principle of transparency and reliability. Within the scope of these services, we help companies create strategic plans by ensuring that they achieve their national and international sustainability goals, comply with environmental regulations and manage climate change risks. While doing this, we enable them to receive all the technology, finance, training, capacity development, supply chain management, data analytics and reporting, communication and image management services they may need from a single source, and we support them in developing innovation and new business models.

In the field of sustainable agriculture, we focus on technologies and services that will have the potential to maximize efficiency while minimizing environmental impact. In this context, the services and products we offer to agricultural enterprises include Data Management and Artificial Intelligence Decision Support Systems, Fleet Management and Green Energy Systems. We also support our agricultural enterprises with sustainable products and services that will take them one step ahead in global competition.

We would like to thank all our colleagues who have contributed to this journey of success, our business partners and shareholders who have not withheld their support.

Ali Gökhan BELTEKİN
Chairman of the Board

2. GENERAL INFORMATION

2.1 Report Duration

This report covers the period 01.01.2024-30.09.2024

2.2 Partnership Information

MIA TEKNOLOJİ A.S.

<i>Established</i>	2006-ANKARA
<i>Registered Capital Ceiling</i>	750.000.000 TL
<i>Paid/Issued Capital</i>	494.000.000 TL
<i>Tax Office and Number</i>	Ankara Kurumlar V.D. / 621 061 1649
<i>Trade Registry Number</i>	225945
<i>Merkez iletişim Head Office Contact Information</i>	Gazi Ünv. Gölbaşı Yerleşkesi Bahçelievler Mah. 323/1 Cadde B Blok N10/50-B/03 Gölbaşı Ankara TÜRKİYE
<i>Phone</i>	+90 312 444 4 642
<i>E-mail</i>	info@MIATEKNOLOJİ.COM
<i>Website</i>	https://www.MIATEKNOLOJİ.COM
<i>Subject of Activity</i>	Computer Programming Activities (Coding of system, database, network, web page etc. software and customer-specific software)
<i>Market Where It Is Traded</i>	Yıldız Pazar

2.3 Board of Directors, Company Executives and Employee Information

The members of the Board of Directors were appointed as a result of the general assembly meeting held on 07.06.2023. Board Member Mehmet Cengiz Bağmançı resigned from his position on the Board of Directors on 18.01.2024. The Management Team and their terms were determined as follows at the Ordinary General Assembly meeting held on 07.06.2024.

Name	Duty	Duration
<i>Ali Gökhan BELTEKİN</i>	Chairman of the Board	07.06.2024 - 07.06.2027
<i>İhsan ÜNAL</i>	Deputy Chairman of the Board	07.06.2024 - 07.06.2027
<i>Özgür ÇİVİ</i>	Board Member	07.06.2024 - 07.06.2027
<i>Ali YAZICI</i>	Independent Board Member	07.06.2024 - 07.06.2025
<i>Faik CECELİ</i>	Independent Board Member	07.06.2024 - 07.06.2025

2.3.1 Board Members and Their Resumes

Ali 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, MIA 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, MIA-YTA Thermal Camera and

Mask Detection, MIA-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 MIA 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 MIA 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.

2.3.2 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 duties with the authorities specified in the relevant articles of the Turkish Commercial Code and the Company's Articles of Association.

2.3.3 Board Committees

Audit Committee

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

Name	Duty	Independency Status
<i>Faik CECELI</i>	Chairman	Independent
<i>Ali YAZICI</i>	Member	Independent

Committee for Early Detection of Risk

Name	Duty	Independency Status
<i>Faik CECELI</i>	Chairman	Independent
<i>Ali YAZICI</i>	Member	Independent
<i>İhsan ÜNAL</i>	Member	Non- Independent

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.

Corporate Governance Committee

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

Name	Duty	Independency Status
<i>Faik CECELİ</i>	Chairman	Independent
<i>Ali YAZICI</i>	Member	Independent
<i>İhsan ÜNAL</i>	Member	Non*Independent
<i>Ege Barkın ÖZTÜRK</i>	Member	Investor Relations Director

Internal Information Access List

Adı Soyadı	Görevi
<i>Ali Gökhan BELTEKİN</i>	YÖNETİM KURULU BAŞKANI
<i>İhsan ÜNAL</i>	YÖNETİM KURULU BAŞKAN VEKİLİ
<i>Özgür ÇİVİ</i>	YÖNETİM KURULU ÜYESİ
<i>Ali YAZICI</i>	BAĞIMSIZ YÖNETİM KURULU ÜYESİ
<i>Faik CECELİ</i>	BAĞIMSIZ YÖNETİM KURULU ÜYESİ
<i>Erman Erkazan</i>	TEKNOLOJİ VE İNOVASYON YÖNETİMİ BAŞKANI
<i>Arzu ŞAHDALAMAN GÜL</i>	MALİ MÜŞAVİR
<i>Ali Osman EFLATUN</i>	SORUMLU DENETÇİ
<i>Osman ÇEBİN</i>	SAĞLIK BİLİŞİM TEKNOLOJİLERİ DİREKTÖRÜ
<i>Elif ÖZDEMİR</i>	İHALE VE SÖZLEŞME UZMANI
<i>Ege Barkın ÖZTÜRK</i>	YATIRIMCI İLİŞKİLERİ DİREKTÖRÜ
<i>İlker ATIKMEN</i>	YATIRIMCI İLİŞKİLERİ YETKİLİSİ
<i>Tolga BELGEMEN</i>	İŞ GELİŞTİRME BAŞKANI

2.3.4 Number of Board of Directors Meetings During the Term and Members' Participation

Our Company Board of Directors held 39 (thirty-nine) meetings during the period of 01.01.2024 - 30.09.2024. The Board of Directors meeting was held with the participation of our members.

2.3.5 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 (%)
<i>Ali Gökhan Beltekin</i> (MIA Teknoloji A.S. Representative)	Tripy Mobility Teknoloji A.S.	Chairman	100

2.3.6 Changes Made to the Articles of Association During the Period

Our application to the Capital Markets Board to add the following text after the 3rd paragraph of Article 9 titled "Distribution of Duties of the Board Members and Those Authorized to Represent and Form of Representation" of our Company's Articles of Association: "The Board of Directors is authorized to delegate all or part of the Company's representation or administrative authority to one or more executive members who are members of the Board of Directors, managers who are not required to be shareholders or third parties through an internal directive to be prepared in accordance with the relevant article of the Turkish Commercial Code." has been approved. It was registered and announced by the Ankara Trade Registry Office of the Republic of Turkey, dated 10.06.2024 and numbered 11100.

2.3.7 Staff Information

The number of employees working in the Group as of 30.09.2024 is 163..

2.4. Company Capital, Partnership Structure and Privileged Shares

2.4.1 Capital

Our company's registered capital ceiling is 750,000,000 TL and its issued capital is 494,000,000 TL.

2.4.2 Partnership Structure

Partners	Share (%)
<i>Ali Gökhan BELTEKİN</i>	21,31
<i>İhsan ÜNAL</i>	21,31
<i>OTHER</i>	57,38
<i>Total</i>	100

2.4.3 Preferred Shares

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

B) Explanation Regarding the Voting Rights of Privileged Shares: Group A privileged shareholders have 5 voting rights for each share.

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

Information regarding the subsidiary within the Group that was included in the consolidation in 2022-2023-2024 is as follows;

Bağlı Ortaklık Ünvanı	Pay Oranı (%)	Faaliyet Alanı
<i>Tripy Mobility Teknoloji A.Ş.</i>	100	Mikromobilite
<i>Enerjey Enerji A.Ş.</i>	70	Enerji
<i>Vitalis Teknoloji A.Ş.</i>	28,58	Nesnelerin İnterneti, Yapay Zeka Destekli Endüstriyel ve Dijital Dönüşüm

Tripy Mobility Teknoloji Anonim Şirketi ("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 September 30, 2024.

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 University Technopolis Building No 10/50c Interior Door 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.

Vitalis Teknoloji Anonim Sirketi is a technology company established in 2016, producing high-tech solutions with innovation-oriented approaches, operating in the fields of Internet of Things (IoT), Artificial Intelligence (AI) supported Industrial and Digital Transformation, and has a strong position in the sector with the services and solutions it offers in various fields.

According to studies conducted by International Research Organizations (Fortune Business Insights), the global IoT market, which was 595.73 billion US Dollars in 2023, is expected to reach 714.48 billion US Dollars in 2024 and 4,062.34 billion US Dollars by 2032.

With this investment, our Company will achieve its goal of having a stronger presence in the global market and will offer more value to customers and stakeholders. Standing out with its knowledgeable and strong expert staff, Vitalis is expected to contribute to our Company in the following areas:

- * Internet of Things (IoT) solutions. Thanks to Vitalis Technology's expertise in the Internet of Things (IoT) and Artificial Intelligence (AI), it is aimed to provide a competitive advantage and contribute to MIA Teknoloji Anonim Sirketi's solutions by making them more innovative, efficient and sustainable, and to contribute to its strong presence in the market.
- * Big Data Management (BDM) solutions. Vitalis Technology's experience in big data analytics is aimed to provide more accurate and meaningful results by developing MIA Teknoloji Anonim Sirketi's synthetic data production and analysis systems.
- * Digital transformation solutions for Industry 4.0 and 5.0 supported by Artificial Intelligence (AI)
- * Artificial Intelligence (AI) based business intelligence and data analytics platforms
- * Blockchain based systems and financial technologies
- * Secure and efficient management of data with cloud technologies.
- * Uninterrupted communication between devices and systems with mobile technologies.

3. FINANCIAL RIGHTS PROVIDED TO BOARD MEMBERS AND SENIOR EXECUTIVES

The total gross salary paid to the Board of Directors members and senior executives in the period 01.01.2024 - 30.09.2024 is 11,232,376.94 TL.

4. COMPANY ACTIVITIES AND ORGANIZATIONAL STRUCTURE

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, Havelan, 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 (OCR) and Biometric Identity Recognition technologies in an integrated manner.

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

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

Personalized Medical Cabinet Project

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

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

The project is the development of a software system that automatically evaluates and scores classical exams held by ÖSYM, MEB and affiliated institutions and organizations by eliminating the human factor. The software in question will be developed with natural language processing and artificial intelligence technologies and will be a first in its field in Turkey.

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

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

Contactless Kiosk Project

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

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

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

Autonomous Cleaning and Disinfection Robot

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

MIA-Tech Project

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

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

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

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

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

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

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

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

MIA HealthCare

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

Augmented Reality Based Mobile Application Development Project for Informative Product Content

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

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

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

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

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

The project will develop a system that uses deep learning methods to replace standard Computer Vision and image processing techniques that are insufficient in mass behavior analysis in places such as squares and temporary gathering areas where people are crowded.

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

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

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

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

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

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

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

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

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

Traffic Control System Project-2

An innovative traffic control system will be developed within the scope of the project. The system will include vehicle counting, license plate recognition, instant speed control, red light violation detection, average speed control, emergency lane violation, smart intersection system and parking system. Especially the instant speed control and smart intersection systems that have recently started to be used in our country are completely of foreign origin. In this context, systems that will create import substitution in our country will be developed within the scope of the project. The developed system will operate within the data obtained from cameras, radars and infrared sensors and will produce reports based on decision support. The reports produced can be shared in a desired center or multiple locations.

Indoor Mapping Mobile Application Software

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

Depth Analysis for Aircraft-2

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

e-Sports Reaction and Hit Rate Measurement Software

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

Metaverse Based Virtual Event Platform

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

Software for Passengers and Drivers in Public Transport Vehicles

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

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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 CO2 gas emissions by creating environmental protection awareness in people.

Ot Autonomous Flight Capability Development and Management System

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

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

MIA-XR APP

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

MIA -VR App

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

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

Deep Learning Based Image Processing Platform

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

Development of Metaverse Based Educational Application

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

MIA-ViewAR

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

Smart Waste Management System

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

Implementation of Intelligent Transportation Systems

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

FULLY AUTOMATIC MEDICINE LABELING DEVICE

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

experienced in these areas. Electronic monitoring of medicine movement is of critical importance for stock management and patient safety.

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

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

Management and End-User Software for Shared Electric Vehicles

As a form of urban transportation, electric vehicles have been gaining popularity worldwide over the past few years. Many cities are focusing more on shared electric vehicle infrastructure to encourage increased use of mobility vehicles (e-bikes, scooters, etc.). While infrastructures for electric vehicles (charging stations, separate lanes, parking areas, etc.) continue to be created in cities, the development of sharing-based station location detection methods also adds significant benefits to users' mobility experiences. Shared mobility systems, which have taken their place in the developing technology as a sustainable, cost-effective and innovative urban transportation option that covers last-mile journeys and offers short-distance travel options, include mini vehicles such as bicycles, electric bicycles, skateboards, scooters, and electric scooters that do not exceed 25 km/h in speed, and help alleviate urban traffic congestion. Our project proposal includes user software and management software for electric micromobility vehicles. The project content consists of Station Detection Model, Geo-fencing, Balancing, Virtual Station, Payment Systems and IoT technologies. In the Station Determination Model phase; the locations of the stations to be established with a strategic and optimal planning depending on the configuration and size of the city and by including the tendencies of the user audience in the process will be determined with route optimization. In the Geo-fencing phase; it is a virtual environment for the real world geographical region. In the Station Determination Model phase, users will not be able to go outside the determined diameter with Geo-fencing, and when they do, they will be responsible for leaving the vehicles at the nearest station. In the balancing phase; micromobility vehicles will be collected from the determined regions (areas with low usage) and brought to the densely used areas and the usage rate of the vehicles will be increased. In addition, if the current number of bicycles of the station is less than the optimal situation, the system will encourage the customer to another station according to the situation of the nearby stations and the walking distance. In the virtual station phase, users will be able to leave their vehicles within the determined diameter. Thus, regular and systematic parking spaces will be obtained and visual pollution will be prevented. In the payment system phase: The Mobile Application will allow online subscription, payment by credit card, and the use of public transportation cards used in the city. In addition, there will be a Wallet feature in the Mobile Application. In the IoT phase, information such as driving routes, duration, parking spaces, and vehicle charging status will be collected and analyzed using IoT sensors in vehicles, and this information will be transferred to the end user and management software.

Development of Maintenance Tracking and Analysis Application System with Radio Frequency

In processes related to patient care services provided in hospitals, nursing homes and individual homes,

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

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

MIA-Clinic

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

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

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

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

Wind turbines are devices that produce electrical energy using wind energy sources. Wind turbines have different energy production capacities depending on wind speed, turbine blade dimensions and turbine height. Wind speed is the most important factor that determines the energy given to the turbine blades. Wind turbines produce less energy at low wind speeds and more energy at high wind speeds. However, excessively high wind speeds can cause unwanted results such as damage or shutdown of the turbines. Predictions for wind turbines are generally based on measurements of wind speed, wind direction and other meteorological parameters. Analysis made with meteorological data are based on predictions of parameters such as weather forecasts, wind speed, wind direction and air temperature. These predictions are used to optimize turbine maintenance and energy production planning. They can

also be used by automatic control systems used to increase the efficiency of wind turbines and prevent damage. The project output product will be a platform that will create a feasibility report for the user by performing meteorological and geophysical analysis of the region in order to model the 15-day production estimate in renewable energy plants. Storage systems that are mandatory for renewable energy plants must be planned in line with meteorological data and grid stability. Since the project output product has the ability to predict production, it will determine the energy storage capacity of the plant. Thus, the stability optimization of the network will be ensured. Maintenance and repair activities in renewable energy plants are of great importance to energy providers in terms of cost and time. Since the project output product performs 15-day production estimate modeling, it will provide planned maintenance by informing the user when maintenance and repair activities should be performed.

Cloud Based Energy Monitoring and Asset Management Application Development Project

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

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

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

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

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

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

MIA Smart Health

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

Eco-mob

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

Kar-Dest

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

Mobi-tek

In order to promote sustainable transportation in cities, a project will be developed to manage mobility systems more effectively. The project will respond to the need for efficient use and monitoring of these systems at a time when vehicles are becoming increasingly widespread as an environmentally friendly means of transportation. The project will enable all electric vehicles to be connected to each other under a central control system. This system will provide better management to users by monitoring the location, charge status, mileage data, lock data, sensor data, driving data, charging station data, emission data, availability and maintenance requirements of the vehicles in real time. All electric vehicles will be equipped with MobilityGPS and various sensors. These telemetry systems will monitor the current location and activity of the vehicles. Users will be able to easily find the nearest vehicles and make reservations through the application or online. The user experience will be enhanced within the scope of the project and this data will be integrated into the mobile application. Users will be able to easily rent a vehicle, check the status of the vehicles and plan their trips. The telemetry data collected during the project will be analyzed, allowing for more efficient distribution of vehicles and management

of maintenance needs. This will help in more efficient use of resources. The project will aim to promote sustainable transportation in cities and reduce traffic congestion. It will also increase the reliability and usability of car sharing systems, encouraging users to use more environmentally friendly transportation options. New work will be carried out to make mobility systems more efficient and user-friendly. It will use a central control system and telemetry systems to track the location and status of vehicles in real time. It will also develop a mobile application that will make it easier for users to find and rent vehicles. The aim of the project is to promote sustainable transportation and reduce traffic congestion. This will be achieved by making vehicles more attractive as an environmentally friendly means of transportation.

Stream Soft

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

The main steps of the project are as follows:

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

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

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

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

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

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

Tripy Soft

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

Tripy Link

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

Tripy Tech

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

AI Based Secure and Safe Framework for Public Transportation

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

VR Speaking Club

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

5. MARKETS/SECTORS OF OPERATION

5.1 Identification & Verification



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

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

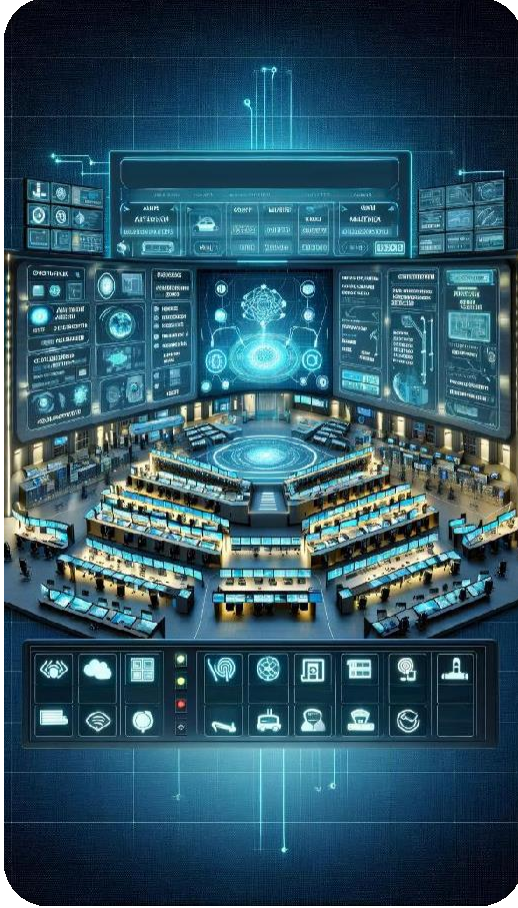
Iris Recognition: Verifies the person's iris pattern. Iris is the colored ring in the eye that is unique to individuals. The iris recognition system scans the iris pattern, determines the unique features and performs identity verification.

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

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

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

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



5.2 Integrated Facility Security and Management

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

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

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

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

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

Cafeteria and Payment Management: These are systems that facilitate the management and payment processes of cafeterias or dining halls within the facility. These systems generally allow payment to be made via cards or mobile devices.

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

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

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



5.3 Critical Facility Security and Management

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

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

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

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

Perimeter Security Radar System: Radar-based systems are used to detect and monitor movements around the facility. These systems are used to identify potential threats outside the facility's boundaries and provide early warning.

Restricted and Special Authorized Area System: These are systems used to control the entry of

people with limited or special authorizations to certain areas. These systems are used to limit access to sensitive data or critical infrastructure and ensure the implementation of strict security protocols.

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

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

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

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

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

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

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

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

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

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

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

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

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





5.5 Integrated Electronic Fee Collection Solution

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

Payment Methods for Public Transportation:

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

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

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

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

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

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

5.6 Safe Public Transport Solution

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

Driver Cabin Monitoring:

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

Passenger Area Monitoring:

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

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

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





5.7 Shared Electrical Vehicle Rental Solution

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

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

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

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

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

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

5.8 Electrical Vehicle Charging Solutions

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

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

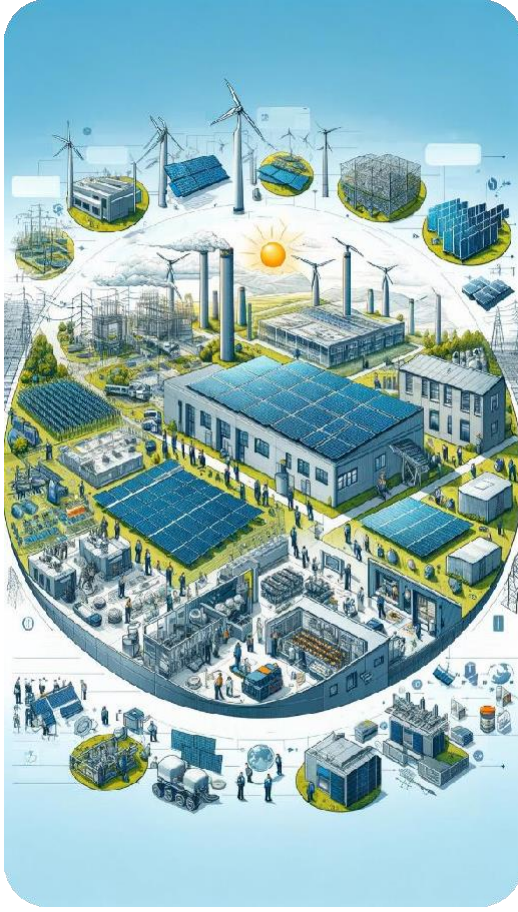
End User and Management Software: Functions such as finding charging stations, starting charging, and making payments are offered to users through mobile applications or web interfaces. In addition, management software such as charging station management, data analysis, and reporting are provided for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

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

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

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





5.9 Renewable Energy Solutions

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

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

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

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

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

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

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

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

5.10 Health IT Solutions

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

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

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

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

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

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

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





5.11 Immersive Technologies

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

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

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

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

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

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

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

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

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



5.12 Information Technologies and Security Services

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

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

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

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

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

5.13 Sector Forecasts for 2023 and 2024

Despite challenges such as cyber threats, economic uncertainties, and limitations of current systems, the technology sector in 2023 continues to focus on innovation, digital transformation, and strategic adoption of new technologies such as 5G. Various data have been compiled from various reports. The summarized figures of this data are as follows.



Innovation and 5G Adoption: KPMG's 2023 Global Technology Report highlights that the tech sector's efforts to improve operational efficiency continue without compromising on the goal of innovating through technology. A significant portion of tech companies (57%) are focused on using technology to launch new products or services. In particular, 32% of tech companies see 5G as vital to their short-term goals, highlighting the role of 5G for applications that require advanced connectivity, such as autonomous vehicles and smart devices.

[KPMG global tech report 2023: Technology sector insights](#)

Cyber Threats and Investment Confidence: Cyber threats have become a major concern in the technology sector, with 69% of businesses in the sector stating that their confidence in investing in new technologies is undermined by these risks. Tech companies are on the front lines of the fight against fraud and cyber threats, feeling the potential reputational damage of increased regulation as well as a significant cybersecurity failure.

[KPMG global tech report 2023: Technology sector insights](#)



The Economic Impact of Generative AI: The McKinsey Technology Trends Outlook 2023 report states that generative AI has huge potential and applicability across a variety of industries. It is estimated that generative AI has the potential to add up to \$4.4 trillion in economic value to the economy by increasing productivity through specific use cases and more widespread uses such as email drafting.

[McKinsey Technology Trends Outlook 2023](#)



Economic Uncertainties and Strategic Directions: Deloitte's 2023 Technology Industry Outlook report discusses how technology companies are addressing macroeconomic uncertainties and global challenges by optimizing operations, modernizing their infrastructure, and capitalizing on growth opportunities through innovation. The report highlights the importance of adapting to new regulations, transforming other industries through technology, and making strategic decisions to establish a competitive future position.

[Deloitte, 2023 technology industry outlook](#)



Global Market Growth: According to the Information Technology Global Market Report 2023, the IT market continued to grow, supported by the adoption of IT services across various sectors and the demand for cloud computing services. In 2022, the Asia Pacific region was set to be the largest region in the IT market, followed by North America.

[Information Technology Global Market Report 2023](#)

In its annual research report titled "The 10 Biggest Opportunities for Technology Companies," EY stated that companies need to invest in next-generation technologies and digital infrastructure. The report mentioned the need for technology companies to invest in generative artificial intelligence (GenAI), edge computing systems (edge), and new forms of digital infrastructure. (https://www.ey.com/tr_tr/news/2024/2/teknoloji-sirketleri-icin-en-buyuk-on-firsat;)

These insights reveal a resilient and forward-looking technology sector that is continually adapting to overcome current challenges and capture new growth and innovation opportunities.

6. DEVELOPMENT AS OF THE THIRD QUARTER OF 2024

- A second phase project contract was signed between our company and one of Turkey's largest financial institutions operating domestically and abroad for the "Biometric Face Recognition System" to be used in Operation Units for a total of 566,400 USD and 1,657,560 TL including VAT.
- The notification titled "NATO Tender Contract Signing Invitation Announcement" dated 16.07.2024, in which the business partnership in which our company is a part was invited to the contract signing ceremony of the Ship-Shore-Ship Buffer (SSSB) (United Kingdom, Netherlands, Greece) project by NATO Communications and Information Agency (NCIA), was shared with the public. The contract signing ceremony was held on 25.07.2024 at the NCIA Center (Den Haag, Netherlands). The contract price is 35,999,316.35 EURO including additional options.
- A cooperation and confidentiality agreement was signed between our company and Integrated Intelligence Services and Trading W.L.L. (IIS Holding), an international holding company headquartered in Qatar, on 29/07/2024 to cooperate in public and private sector projects in the Gulf Countries, primarily in Saudi Arabia, the United Arab Emirates and Qatar, to market, promote and carry out business development activities in these countries the technologies produced by MIA Teknoloji Anonim Şirketi. With the agreement made, a business volume of approximately 7 billion dollars will be addressed in the Gulf Countries in the first stage in the sectors listed. With this success achieved in line with our company's export and business development strategies, it is planned to be more effective in the growing and developing Gulf Market in the coming period and to continue to grow qualified business development activities.
- According to the finalized tender decision of "Perimeter Security Camera System Purchase" between our company and ANTALYA AIRFIELD COMMAND MINISTRY OF NATIONAL DEFENSE with a price of 18,686,205.60 TL including VAT, our company has been retained and an invitation to the contract is awaited.
- According to the finalized tender decision of "IP Based Perimeter Security Camera System Material (Including Assembly)" job, tendered by MÜRTED AIRFIELD COMMAND MINISTRY OF NATIONAL DEFENSE on 25.07.2024 with a price of 21,505,630.80 TL including VAT, our company has been retained by MIA Teknoloji A.Ş.
- MIA Teknoloji ranked 1st in the "Turkey-Based Manufacturers - Hardware - Information Security Hardware" and "Sectoral Software - Logistics" categories in the 25th Turkey's 500 Information Companies (Informatics 500) Survey. In addition, our company ranked 2nd in the "Turkey-Based Manufacturers - Software - Human Resources Software" category, 3rd in the "Sectoral Software - Health" category, 4th in the "Informatics 500 Plus Artificial Intelligence" category, 8th in the "Sectoral Software - Energy" category and 9th in the "Sectoral Software - Defense" category. It ranked 65th among the top 500 IT companies in Turkey.
- An order confirmation was received from ASELSANNET, one of our strong business partners, for a price of 137,187,769.05 TL including VAT within the scope of "Private Security Infrastructure Hardware". Our company will continue to take part in "Private Security Infrastructure Equipment" projects and we will continue to maintain our solid business model in this regard.

- Within the scope of the growth strategy in the field of new technologies and artificial intelligence in line with the long-term strategies and competitive goals of MIA Teknoloji A.Ş., our Board of Directors decided on June 5, 2024 to purchase 28.58% of the capital of Vitalis Teknoloji A.Ş., which operates in the fields of Digital Transformation, Internet of Things (IoT) and Artificial Intelligence (AI), for a price of TL 228,654,545.00 and a Share Purchase and Sale Agreement was signed accordingly. On July 4, 2024, the Competition Board announced to the public that it had approved the share purchase transaction. Accordingly, Vitalis Teknoloji A.Ş. will be included in the financials of MIA Teknoloji A.Ş. as a subsidiary with the equity method as of September 30, 2024.
- With the decision taken by the Vitalis Board of Directors; In order to provide a new strategic solution partner and increase the long-term cash generation and profit potential of Vitalis in line with its long-term strategies and competitive goals, Link Bilgisayar Sistemleri Yazılımı ve Donanımı Sanayi ve Ticaret A.Ş. ("Link Bilgisayar"), which has 40 years of experience and a significant market share in its sector and is traded on Borsa Istanbul, and Vitalis, within the framework of the Merger and Division Communiqué No. (II - 23.2) of the Capital Markets Board (CMB), the Turkish Commercial Code No. 6102, the Corporate Tax Law No. 5520 and other relevant legislation, Link Bilgisayar applied to the Capital Markets Board on 20.09.2024 for Link Bilgisayar to take over Vitalis. • Our Company's Board of Directors, in accordance with Article 11 of the Corporate Governance Communiqué numbered II-17.1 of the Capital Markets Board, unanimously decided to appoint Ege Barkın ÖZTÜRK, who holds the Capital Market Activities Level 3 (License No: 213785) and Corporate Governance Rating (License No: 931992) licenses, as the Investor Relations Director in our Company's Investor Relations Department, and also to serve as a new member of the Corporate Governance Committee established within the Board of Directors.
- The project proposal titled "MICRO MOBILITY IMPACT SIMULATOR: ECONOMIC, ENVIRONMENTAL AND SOCIAL DECISION SUPPORT TOOL FOR SUSTAINABLE CITY PLANNING", which our 100% affiliated partner TRİPY MOBILITY TECHNOLOGY ANONYMOUS COMPANY applied to TÜBİTAK and has a total budget of 6,079,651.77 TL, was found suitable for support as a result of the evaluation made within the scope of TÜBİTAK Industrial R&D Support Program. The fact that the artificial intelligence-supported simulation software, which is the output of the project and is planned to be commercialized in a short time, will meet a great need in mobility companies, planning organizations and local governments operating in national and international areas is of strategic importance in terms of its commercial potential. The projects that TRİPY MOBILITY TECHNOLOGY ANONYMOUS COMPANY will carry out with TÜBİTAK will continue rapidly in the coming period.
- MIA Teknoloji and Tera Srl, the pioneer and only company in Southern Italy with its innovative solutions in the fields of IoT and Edge Computing, have signed a Memorandum of Understanding and Confidentiality Agreement for the purpose of collaborating in the fields of "Edge Computing, Artificial Intelligence, Energy and Space & Aviation". This collaboration is designed to evaluate all international project opportunities, especially opportunities in EU funding programs, such as the World Bank, Asian Development Bank and EBRD. Tera Srl is known for its innovative approach in Edge Computing technologies, which provide IoT-based smart services in sectors such as Smart Buildings, Energy and Industry 5.0. With this agreement, it is aimed to create new collaboration and growth opportunities in the global ecosystem, especially in the European Union, by combining the strengths of both companies. Within the scope of the agreements, MIA Teknoloji A.Ş and Tera Srl

will introduce each other to their existing global business partners, develop new joint projects and provide mutual project management consultancy. These agreements are expected to strengthen the positions of both companies in internationally funded projects and increase international cooperation.

- In the selection of the program conducted in Turkey by the United Kingdom Government (UK), Climate Finance Accelerator (CFA) and PwC, our 100% affiliated partnership, TRİPY MOBİLİTY TECHNOLOGY A.Ş., was selected among the first 8 companies out of 57. The program aims to facilitate the financing of projects that have a carbon emission reduction effect. In the following process, CFA will continue to bring the selected companies together with local and international investors.
- An order for "Computer and Low Current Products" has been received from one of our strong business partners, NEC TELEKOMÜNİKASYON VE BİLGİ TECHNOLOGIES LTD. ŞTİ., for a total of 224,403.50 USD including VAT, and the invoicing process has been completed. Our company will continue to take part in projects with strong business partners with its business model based on solid foundations.

7. INCENTIVES BENEFITTING THE COMPANY

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

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

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

5 POINT DISCOUNT INCENTIVE

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

- Document Number: 5510
- The relevant incentive was put into effect on 01.10.2008. It is still in effect and is being applied in our workplace.
- Private sector employers can benefit from a discount equal to the five-point portion of the employer's share of disability, old age and death insurance premiums calculated based on the insured's premium-based earnings for the insured they employ.
- The monthly premium and service document / summary and premium service declaration must be submitted to the Institution within the legal period,
- Premiums must be paid within the legal period,
- There is no premium, administrative fine and related late payment interest and penalty debt, if any, these debts must be structured, paid in installments and paid regularly,
- No unregistered insured persons must be employed / No false insured person declaration must be made,
- The employer must not be one of the institutions and organizations that fall within the scope of the second paragraph of Article 30 of Law No. 5335,
- The work performed must not be within the scope of Laws No. 2886, 4734 and Article 3 of Law No. 4734 or within the scope of procurement and construction works based on international agreements.

INCENTIVE FOR THE EMPLOYMENT OF DISABLED INSURED PERSONS

LEGAL BASIS Article 30 of the Labor Law No. 4857, Circular No. 2008/77. Document Number: 14857
The relevant incentive was put into practice on 01.07.2008. It is still in effect and is being implemented in our workplace.

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

CONDITIONS FOR BENEFITTING FROM THE INCENTIVE

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

INCENTIVE FOR RESEARCH, DEVELOPMENT AND DESIGN ACTIVITIES

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

Document Type: 5746-15746

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

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

INCENTIVE BENEFIT CONDITIONS

- Monthly premium and service document / summary and premium service declaration must be submitted to the Institution within the legal period, premiums must be paid,
- The insured must actually work,
- The insured must be R&D/Design personnel or support personnel provided that 10% of the R&D personnel number is not exceeded, or personnel whose wages are exempted from income tax pursuant to Law No. 4691.
- Half of the 5 point discount and the remaining 15%, 5 employer share (7.75%) is calculated on PEK.

8. COMPANY'S QUALIFICATION, CERTIFICATION AND REGISTRATION DOCUMENTS

No	Document	Issuer	Date Given	Valid Until
1	9001:2015 QUALITY MANAGEMENT SYSTEM	QSI	1.04.2022	19.04.2025
2	14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM	QSI	1.04.2022	19.04.2025
3	45001:2018 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM	QSI	9.12.2022	11.01.2025
4	ISO/IEC 27001:2017 INFORMATION SECURITY MANAGEMENT SYSTEM	QSI	9.12.2022	6.12.2024
5	MILITARY FACTORIES APPROVED SUPPLIER CERTIFICATE FACILITY CERTIFICATE	MSB / AFGM	10.09.2019 16.12.2021	16.12.2026
6	FACILITY CERTIFICATE (NATIONAL SECRET)	MSB	2018	30.07.2029
7	NATO SECURITY CERTIFICATE (NATO SECRET)	MSB / DIŞ İŞLERİ BKN.	5.12.2018	30.07.2029
8	AFTER SALES SERVICE COMPETENCE CERTIFICATE	TRADE MINISTRY	2.08.2022	31.07.2026
9	SERVICE COMPETENCE CERTIFICATE	TSE	9.09.2008	10.09.2025
10	CAPACITY REPORT	ANKARA CHAMBER/ TOBB	25.03.2024	01.04.2026
11	TS ISO / IEC 15504 SPICE ORGANIZATIONAL MATURITY CERTIFICATE LEVEL 2	ICT CERTIFY	29.04.2022	29.04.2025

12	20000-1:2018 INFORMATION TECHNOLOGIES SERVICE MANAGEMENT SYSTEM	QSI	1.02.2024	1.02.2025
13	TS/ISO 22301:2012 BUSINESS CONTINUITY MANAGEMENT SYSTEMİ	QSI	1.04.2022	19.04.2025
14	ISO 10002-2018 CUSTOMER SATISFACTION MANAGEMENT SYSTEM	QSI	28.11.2022	28.11.2024
15	EYDEP	T.C. CUMHURBAŞKANLIĞI SAVUNMA SANAYİ BAŞKANLIĞI	1.11.2022	1.11.2025
16	PUBLIC INFORMATION AUTHORIZATION CERTIFICATE	T.C. SANAYİ VE TEKNOLOJİ BAKANLIĞI	13.12.2023	6.12.2024
17	SOFTWARE AUTHORIZATION CERTIFICATE	T.C. SANAYİ VE TEKNOLOJİ BAKANLIĞI	13.12.2023	6.12.2024

COPYRIGHT GENERAL DIRECTORATE REGISTRATIONDOCUMENTS

18	REGISTRATION CERTIFICATE RELATED TO COMPUTER PROGRAMS	MINISTRY OF CULTURE AND TOURISM	23.12.2019	INDEFINITELY
19	Augmented Reality Based Mobile Application for Informative Product Content	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
20	Integrated Modern Health Informatics Layers	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
21	VR Based Education System for Safe On-the-Job Training Processes	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
22	Fast and Secure Biometric Identity Verification System	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
23	Personalized Medical Cabinet Project	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
24	Automatic Exam Evaluation System with Machine Learning and Natural Language Processing Techniques	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
25	Person Recognition System with Mask Detection and Temperature Measurement	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
26	MIA Vehicle Identification Solutions	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY

27	MIA HealthCare	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
28	MIA HEALTH INTEGRATION SYSTEM	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
29	MIA-HYGIENE DOOR	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
30	Development of Mobile Multi-Biometric Registration Unit	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
31	Virtual Experience for Museums-V-REX (Virtual Experience for Museums)	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
32	Multi-Biometric Person Recognition System with Remote Temperature Measurement	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
33	AR Based Remote Maintenance System for Remote Field Support Activities	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY
34	AR Based Remote Maintenance System for Remote Field Support Activities	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITELY

9. OTHER IMPORTANT INFORMATION

9.1 Related Party Transactions

For the purpose of the consolidated financial statements, partners, senior managers and members of the Board of Directors, their families and companies, affiliates and partnerships controlled by them or affiliated with them are accepted and expressed as related parties. The Group has carried out transactions with related parties during the period due to its ordinary activities and the details are available in the Independent Audit Report.

9.2 Profit Distribution Policy

According to Article 13 of the Company's articles of association, the determination and distribution of profit is made in summary as follows;

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

- 5% is allocated to the legal reserve fund until it reaches 20% of the capital.
- From the remaining amount, the first dividend is allocated in accordance with the Turkish Commercial Code and capital market legislation, based on the amount to be found by adding the

amount of donations made during the year, if any, within the framework of the Company's profit distribution policy.

- c) After the above deductions are made, the general assembly has the right to decide on the distribution of the dividend to the members of the board of directors, the company employees and persons other than the shareholders.
- d) The general assembly is authorized to distribute the remaining amount after deducting the amounts specified in clauses (a), (b) and (c) from the net profit, partially or completely as a second dividend or to set aside as a reserve fund it has set aside at its own request in accordance with Article 521 of the Turkish Commercial Code.
- e) After deducting the dividend share of 5% of the capital from the part decided to be distributed to the shareholders and other persons participating in the profit, 10% of the amount found shall be added to the general legal reserve fund in accordance with Article 519, paragraph 2 of the Turkish Commercial Code.
- f) Unless the reserve funds required to be set aside in accordance with the Turkish Commercial Code and the dividend share specified for the shareholders in the articles of association are set aside; It cannot be decided to set aside other reserve funds, to transfer profit to the following year, and to distribute shares of profit to members of the board of directors, company employees and persons other than shareholders. Shares of profit cannot be distributed to these persons unless the dividend determined for the shareholders is paid in cash.

9.3 Information on Financial Risk Management Policy

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

Capital Risk Management

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

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

Credit Risk

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

Liquidity Risk

Liquidity risk is the possibility of not being able to fulfill net funding obligations. The occurrence of events that result in a decrease in funding resources, such as disruptions in the markets or a decrease in credit scores, causes liquidity risk to occur. The Company management manages

liquidity risk by distributing funding resources and maintaining sufficient cash and similar resources to fulfill its current and potential liabilities.

Interest Rate Risk

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

Counterparty Risk

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

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

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

Foreign Exchange Risk

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

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

- Purchases of goods and services in foreign currency or indexed to foreign currency
- Sales of goods and services in foreign currency or indexed to foreign currency
- Capital and fixed asset investments sensitive to exchange rate movements
- Agreements sensitive to foreign exchange movements such as franchise, license or royalty agreements

These risks are managed in line with the regulations prepared throughout the company.

9.4 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 during the

9.5 Significant Events that Occurred During the Reporting Period and Must Be Reported

None.

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

- An additional purchase was made from ASELSAN for "Private Security Infrastructure Equipment" for a price of 19,799,280.00 TL including VAT, and the invoicing process was completed.
- The "Security Technologies Systems" tender opened for the Yenışehir Air Field Command Base of the Ministry of National Defense was won by us for a price of 32,385,184.80 TL including VAT, and the contract invitation was received.
- The "Donation Management System Software" tender opened by the Disaster and Emergency Management Presidency (AFAD) of the Ministry of Interior, one of the important institutions of our country, was won by us for a price of 28,620,000.00 TL including VAT, and the contract invitation was received.

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

There were no private or public audits during the accounting period between 01.01.2024 and 30.09.2024.

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

There are no lawsuits or possible outcomes filed on behalf of our company that could affect the financial situation and activities of the company.

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

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

9.10 If An Extraordinary General Assembly Meeting Was Held During The Period, Information Regarding The Extraordinary General Assembly, Including The Date Of The Meeting,

Decisions Taken At The Meeting And Actions Taken In Relation To It.

There is no Extraordinary General Assembly Meeting held between 01.01.2024 - 30.09.2024.

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

Our company has spent 3,881,400.56 TL within the period of 01.01.2024 - 30.09.2024 within the framework of donations and aids and Social Responsibility Projects.

9.12 Own Shares Acquired by the Company

The company has no acquired shares.

9.13 Conflicts of Interest Between the Company and Institutions from Which It Receives Services on Issues Such as Investment Consultancy and Rating

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

10. CONSOLIDATED FINANCIAL STATUS AS OF 30.09.2024

MIA TEKNOLOJİ ANONİM ŞİRKETİ Consolidated financial position statement as of 30.09.2024 (Unless otherwise stated, amounts are expressed in Turkish Lira (TL).)

	No	30.09.2024	31.12.2023
ASSETS			
Cash and cash equivalents	[4]	647.952.237	264.534.024
Trade receivables	[6]	1.086.924.462	655.837.708
• Trade receivables from related parties		769.395.084	–
• Trade receivables from non-related parties		317.529.378	655.837.708
Other receivables	[8]	6.468.228	10.440.782
• Other receivables from related parties		2.358.215	5.129.687
• Other receivables from non-related parties		4.110.013	5.311.095
Inventories	[10]	7.299.670	48.789.269
Prepaid expenses	[16]	131.297.659	21.235.389
• Prepaid expenses to related parties		1.055.543	–
• Prepaid expenses to non-related parties		130.242.116	21.235.389
Current tax assets	[17]	4.219.202	–
Other current assets	[18]	14.465.467	26.355.253
• Other current assets from non-related parties		14.465.467	26.355.253
Total Current Assets		1.898.626.925	1.027.192.425
Fixed Assets			
Investments in affiliates, joint ventures and subsidiaries	[5]	55.571.863	16.693.138
Equity method investments	[3]	268.326.865	–
Investment properties	[12]	42.903.192	43.230.760
Tangible fixed assets	[13]	113.799.799	120.853.055
Use rights	[11]	4.468.906	6.240.518
Intangible fixed assets	[14]	1.801.350.031	1.646.679.459
Prepaid expenses	[16]	14.702.970	19.975.505
• Prepaid expenses to unrelated parties		14.702.970	19.975.505
Deferred tax assets	[17]	65.759.347	74.008.014
Total Fixed Assets		2.366.882.973	1.927.680.449
TOTAL ASSETS		4.265.509.898	2.954.872.874

	No	30.09.2024	31.12.2023
RESOURCES			
Current Liabilities			
Short-term borrowings	[7]	497.114.957	120.854.224
Short-term portions of long-term borrowings	[7]	38.822.373	150.357.203
Other financial liabilities	[7]	1.265.882	2.489.256
Trade payables	[6]	269.966.930	173.247.745
Employee benefit obligations	[19]	8.818.415	7.689.099
Other payables	[8]	48.486.795	–
• Other payables to related parties		48.486.795	–
Derivatives	[9]	204.881	–
Deferred income	[16]	113.356.907	28.866.078
Current income tax liability	[17]	971.349	1.322.148
Short-term provisions	[20]	3.474.681	2.112.713
• Short-term provisions for employee benefits		2.918.978	1.357.733
• Other short-term provisions		555.703	754.980
Other short-term liabilities	[18]	1.980.136	1.663.075
Total Short-Term Liabilities		984.463.306	488.601.541
Long-Term Liabilities			
Long-term borrowings	[7]	30.601.264	59.921.062
Other financial liabilities	[7]	744.992	1.674.351
Long-term provisions	[20]	7.481.839	13.649.027
• Long-term provisions for employee benefits		7.481.839	13.649.027
Total Long-Term Liabilities		38.828.095	75.244.440
TOTAL LIABILITIES		1.023.291.401	563.845.981
Equity			
Equity attributable to the parent company		3.240.427.437	2.390.380.673
Paid-in capital	[21]	494.000.000	494.000.000
Capital adjustment differences	[21]	363.615.493	363.615.493
Capital advances	[21]	156.485.433	156.485.433
Premiums (discounts) related to shares	[21]	351.627.264	351.627.264
Other accumulated comprehensive income (expenses) not to be reclassified to profit or loss	[21]	3.862.335	-622.171
Restricted reserves appropriated from profit	[21]	43.186.654	43.186.654
Previous years' profits or losses	[21]	982.088.000	297.368.232
Net profit or loss for the period		845.562.258	684.719.768
Non-controlling interests		1.791.060	646.220
TOTAL EQUITY		3.242.218.497	2.391.026.893
TOTAL LIABILITIES AND EQUITY		4.265.509.898	2.954.872.874

11. CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME AS OF 30.09.2024

MIA TEKNOLOJİ ANONİM ŞİRKETİ Consolidated comprehensive income statement as of 30.09.2024
(Amounts are expressed in Turkish Lira (TL) unless otherwise stated.)

	No	01.01.2024 30.09.2024	01.01.2023 30.09.2023	01.07.2024 30.09.2024	01.07.2023 30.09.2023
PROFIT OR LOSS SECTION					
Revenue	[22]	1.752.551.727	1.431.786.266	303.726.915	549.449.993
Cost of sales	[22]	-509.897.754	-660.651.124	-135.285.993	-209.780.396
GROSS PROFIT/LOSS		1.242.653.973	771.135.142	168.440.922	339.669.597
General administrative expenses	[23]	-73.753.371	-119.724.199	-26.253.520	-18.785.061
Other income from main activities	[24]	59.007.743	2.810.408	57.501.647	2.004.849
Other expenses from main activities	[24]	-6.171.084	-46.418	-4.156.603	2.753.467
PROFIT/LOSS FROM MAIN ACTIVITIES		1.221.737.261	654.174.933	195.532.446	325.642.852
Income from investment activities	[25]	205.758	15.372.552	69.409	-30.705
Expenses from investment activities	[25]	-327.568	-171.322	-109.190	-171.322
Shares of profits (losses) of investments valued by the equity method	[3]	11.619.391	-	11.619.391	-
PROFIT/LOSS FROM ACTIVITIES BEFORE FINANCE EXPENSE		1.233.234.842	669.376.163	207.112.056	325.440.825
Financing income	[26]	54.149.210	27.422.409	8.177.711	-3.314.326
Financing expenses	[26]	-191.017.397	-60.164.361	-45.835.384	-13.664.026
Net monetary position gains (losses)		-241.775.523	-205.136.695	-64.218.999	-88.825.795
PROFIT/LOSS FROM CONTINUING OPERATIONS BEFORE TAX		854.591.132	431.497.516	105.235.384	219.636.678
PROFIT/LOSS FROM CONTINUING OPERATIONS BEFORE TAX	[17]	-7.884.034	-66.396.094	-19.022.320	-66.874.362
• Period tax expense/income		-971.349	-616.334	-971.349	-189.996
• Deferred tax expense/income		-6.912.685	-65.779.760	-18.050.971	-66.684.366
PROFIT/LOSS FROM CONTINUING OPERATIONS FOR THE PERIOD		846.707.098	365.101.422	86.213.064	152.762.316
PROFIT/LOSS FOR THE PERIOD		846.707.098	365.101.422	86.213.064	152.762.316
Distribution of Profit/Loss for the Period		846.707.098	365.101.422	86.213.064	152.762.316
Non-controlling interests		1.144.840	-272.502	-895.344	-239.456
Parent partnership interests		845.562.258	365.373.924	87.108.408	153.001.772
Earnings per share					
Earnings per share from continuing operations	[27]	1,7140	9,6079	0,1745	4,0201
Not to be reclassified to profit or loss		4.484.506	-779.841	10.170.352	5.886
Defined benefit plan remeasurement gains (losses)	[21]	5.804.663	-974.801	13.188.878	7.360
Shares of other comprehensive income of investments accounted for using the equity method not to be reclassified to profit or loss		15.825	-	15.825	-
Taxes related to other comprehensive income not to be reclassified to profit or loss	[21]	-1.335.982	194.960	-3.034.351	-1.474
• Deferred tax (expense) income		-1.335.982	194.960	-3.034.351	-1.474
OTHER COMPREHENSIVE INCOME		4.484.506	-779.841	10.170.352	5.886
TOTAL COMPREHENSIVE INCOME		851.191.604	364.321.581	96.383.416	152.768.202
Non-controlling interests		1.144.840	-272.502	-773.731	-379.633
Parent partnership interests		850.046.764	364.594.083	97.157.147	153.147.835

12. Financial Assessment

- ✓ When we look at the balance sheet, despite the inflation accounting practices, our Active and Equity structure continues to grow steadily.
- ✓ The share of liabilities in our total assets remained low at 23.98% as of the first 9 months of 2024.
- ✓ Although our R&D and non-R&D investments increased by nearly 454 Million TL in the first 9 months of the year, our net cash position was positive at 79.4 Million TL due to our high project profitability. (Net Cash = Cash and Cash Equivalents - KV/UV Financial Debts)
- ✓ Despite the challenging economic conjuncture and the uncertainties brought by inflation accounting, we increased our turnover by 22.40% compared to the first 9 months of the previous year.
- ✓ We increased our gross profit margin level from 53.86% to 70.91% in the first 9 months. We have increased our gross profit from 771 million TL to close to 1.3 billion TL.
- ✓ In the first 9 months, we increased our net profit from 365 million TL to 846 million TL compared to the previous year. We increased our net profit margin level from 25.50% to 48.31%.
- ✓ In the first 9 months, we increased our EBITDA profit from 762 million TL to 1.4 billion TL compared to the previous year. We increased our EBITDA margin level from 53.25% to 79.53%.
- ✓ We aim to complete the year with significant success by maintaining a healthy profitability structure in the last quarter of 2024.

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 of the Board

Özgür ÇİVİ
Board Member

İhsan ÜNAL
Deputy Chairman of the
Board

Ali YAZICI
Independent Board Member

Faik CECELİ
Independent Board Member

05.11.2024