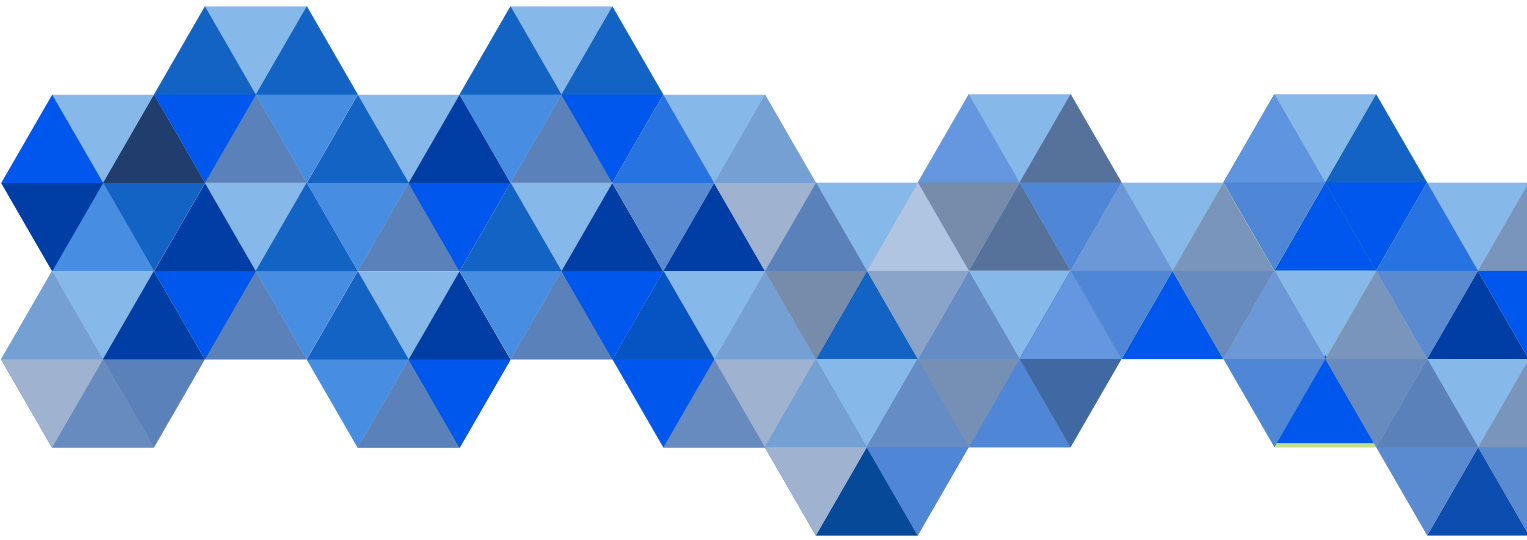


# ANNUAL REPORT

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01.01.2022 - 31.03.2022



AI-powered Solutions



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## 1. MESSAGE FROM THE CHAIRMAN OF THE BOARD

Dear Employees, Esteemed Business Partners and Stakeholders,

As MIA Technology A.Ş. We care about following trends and digital transformation.

Considering our experience based on the previous years; we have accomplished significant work both in the country and abroad, thanks to our experience, management processes, and business development activities carried out in various fields, and we are committed to achieving more in the future. We are progressing in this direction by creating our own added value and adding new ones to the works we have completed every day.

MiA Technology, which acts by adopting the understanding of going further every day with our experienced team, is advancing with great enthusiasm toward the goal of creating a sustainable technological understanding. In this context, in addition to the software we are currently developing, we are taking steps to spread a more universal understanding of technology by incorporating new generation immersive technologies into our vision of providing products and services.

With the public offering we have added, we aim to make various innovations and developments in our work areas. Our main goal will be to conduct more confidence and to produce value-added projects for our country and nation.

We would like to thank all our employees, business partners, and shareholders who contributed to the growth and development of MIA Teknoloji. We will approach events in a new way with the innovative content we will create in the future, and we will accelerate our progress by increasing our tempo.

Best Regards.

**Ali Gökhan BELTEKİN**  
*Chairman of the Board*

## 2. GENERAL INFORMATION

### 2.1 Reporting Period

This report relates to the period of 01.01.2022-31.03.2022.

### 2.2 Partnership Information

MİA TEKNOLOJİ A.Ş.	
Year of Establishment	2006-ANKARA
Registered Capital Limit	150,000,000 TRY
Paid in/Issued Capital	38,000,000 TRY
Tax Office and Number	Ankara Tax Office / 621 061 1649
Trade Register Number	225945
Main Office Contact Information	Gazi Üniversitesi Gölbaşı Yerleşkesi Tekno Plaza Binası BZ-16 Gölbaşı/ANKARA
Phone Number	+90 312 444 4 642
E-mail Address	info@miateknoloji.com
Website	<a href="https://www.miateknoloji.com">https://www.miateknoloji.com</a>
Subject of Activity	Computer programming activities (software of system, databases, network, web page etc. and coding of customer specific software, etc.)
Trading Market	Yıldız Pazar

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

Members of the Board of Directors were appointed as a result of the extraordinary general assembly meeting held on 11.08.2021.

Name and Surname	Title	Term of office
Ali Gökhan BELTEKİN	Chairman of the Board of Directors	21.10.2020 – 21.10.2023
Mehmet Cengiz BAĞMANCI	Member of the Board	21.10.2020 – 21.10.2023
İhsan ÜNAL	Member of the Board	21.10.2020 – 21.10.2023
Özgür ÇİVİ	Independent Board Member	11.08.2021 – 21.10.2023
Ali YAZICI	Independent Board Member	11.08.2021 – 21.10.2023

### 2.3.1 Members of the Board of Directors and Their Resumes

#### Ali Gökhan BELTEKİN - Chairman of the Board (Founder and Partner)

He was born on July 25, 1982 in Elazığ. He completed his secondary and high school education in Elazığ, higher education in Computer Engineering at Atılım University. In 2004, he began working as a Software Specialist at a company titled Yüce Bilgi Sistemleri, after finishing his university education. Together with his undergraduate friends, he founded his own company, MİA Teknoloji A.Ş. in 2006.

MIA Teknoloji, which has been in the information sector for 15 years, develops products for public spaces where passage security is critical, using its unique innovation and R&D activities to meet the needs of its customers as its experience grows.

In accordance with its Smart Campus studies, he conducted effective projects in Turkey and abroad with its R&D studies in the process of providing domestic and national solutions to the General Directorate of Security, Student Selection and Placement Center, Credit and Dormitories Agency, Istanbul Atatürk Airport, Ziraat Bank, Vakıfbank, Eti Maden, Ministry of Interior, University Hospitals, State Supply Office, Havelsan, Gendarmerie, National Library, for differentiating requests and needs within its wide product range and original products.

In keeping with the new and unavoidable realities of the information era, it maintains its solution partner identity and mission of producing information projects specified for company needs throughout the Pandemic (Covid 19) process. He has been carrying out Pandemic Product Family

Works with the products named Cleanmask-Tech, MIA-YTA Thermal Camera and Mask Detection, MIA-Hygiene Tunnel.

Our company has been contributing to the development of Turkey in the field of informatics with 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. In addition to R&D studies, worldwide business development operations, and studies conducted in Germany, America, Italy, England, France, Russia, and an office in Teknopark in Qatar has been established, constituting MIA Teknoloji's first international arm.

In addition to his business life, he also takes part in Atılım University Industry Advisory Board and supports Industry-Academic Cooperation. He is married and has two children.

### **İhsan ÜNAL - Member of the Board of Directors (Founder and Partner)**

He was born on January 8, 1981 in Şanlıurfa. He completed his secondary and high school education in Şanlıurfa, higher education in Computer Engineering at Atılım University. In 2004, he began working as a Software Specialist at Social Security Institution, after finishing his university education. Together with his undergraduate friends, he founded his own company, MIA Teknoloji A.Ş. in 2006.

The "Dormitory Management Software" that has been designed for the Credit and Dormitories Institution throughout Turkey has begun to operate as the first example of the works carried out with the goal of "to provide solutions for differentiating requests and needs through our domestic and national solutions, wide product range, and unique products," which has been the managers' mission since the day it was founded. He served as the project's coordinator on the project overseeing 2720 clients, 4800 optical readers, and 4 million transactions across 20 regions and 494 dormitory campuses for the monitoring of entrance and exit to Credit and Dormitories Institution dormitories and the use of rights.

MIA Teknoloji, which has been in the information sector for over 15 years, provides the following services to public entities: Integrated Health Information Management System, Biometric Identity, Recognition and Control Systems, Smart and Secure Facility, Building and Campus Solutions, Public Security, Critical Zone, and Soft Target Protection, E-ID Projects, Payment, Card Solutions and Fintech, Data Analysis and Big Data Management, Cyber Security.

MIA Teknoloji, one of the leading companies in the Turkish and International Informatics Sectors, produces high-value-added, innovative solutions using the Industry-Academy Cooperation model, intending to compete with foreign market actors, management of all administrative processes involved in the production of national and international certified technologies, and management of all tender project processes ensuring the successful execution of the project.

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

**Mehmet Cengiz BAĞMANCI - Member of the Board of Directors (Founder and Partner)**

He was born on May 4, 1979 in Şanlıurfa. He completed his secondary and high school education in Şanlıurfa, higher education in Computer Engineering at Atılım University. After completing his university education, he worked as a Software Specialist in private companies in 2004. Together with his undergraduate friends, he founded his own company, MİA Teknoloji A.Ş. in 2006.

In accordance with its Smart Campus studies, he conducted effective projects in the process of providing domestic and national solutions to the General Directorate of Security, Student Selection and Placement Center, Credit and Dormitories Agency, Istanbul Atatürk Airport, Ziraat Bank, Vakıfbank, Eti Maden, Ministry of Interior, University Hospitals, State Supply Office, Havelsan, Gendarmerie, National Library, for differentiating requests and needs within its wide product range and original products.

He served as a Project Manager and assisted the software team on the works arising from project development and completion of the KYK E-Yurt Biometric Control Project, Biometric Safe Room Project for Ziraatbank, OSYM Smart Campus Project, BEOGS E-Gate Project, Pizzy Project, Face-Id Face Recognition Project, Hospital Information Management Systems-HIMS projects. He has been continuing his work during the pandemic process with the software team working on the Pandemic Product Families of Cleanmask-Tech, MİA-YTA Thermal Camera and Mask Detection, MİA-Hygiene Tunnel.

In addition to his business life, he also takes part in Atılım University Industry Advisory Board and supports Industry-Academic Cooperation.

**Özgür ÇİVİ - Member of the Board of Directors**

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

ÇİVİ, who started his career in 2006 as an assistant auditor at MAZARS Denge Ankara Denetim ve Yeminli Mali Müşavirlik A.Ş., served in the Accounting Unit of Koçak Şirketler Grubu between 2006-2007.

Özgür ÇİVİ has started to work in the field of sales in 2007; he worked as Sales Manager at İncekara Holding between 2007-2011, and at Kurt & Kurt İth İhr ve Müm AŞ as a sales manager between 2011-2014. Between 2014-2016, he served as a Senior Customer Manager at Türk Philips Ticaret A.Ş., then he worked as Operations and Procurement Director at Qatar Turkish Hospital in Doha between 2017-2018.

ÇİVİ, who was assigned the role of General Manager in charge of Medical Affairs regarding the Gaziantep Integrated Health Campus project carried out in partnership with Kayı - Webuild SpA JV in 2018, has been continuing to carry out this duty recently. He undertakes responsibilities such as developing strategies in order to achieve the short and long-term objectives set out within the project, managing product purchases utilizing his experience in medical product requirements and managing all processes within the scope of medical operations.



Özgür ÇİVİ acquired the position of Independent Board Member at MIA Teknoloji A.Ş. in 2021.

### **Ali YAZICI - Member of the Board of Directors**

He was born on 14.05.1950 in Ankara. Ali Yazıcı graduated from the Department of Numerical Analysis and Applied Mathematics at Middle East Technical University in 1972; and also completed his master's degree in Mathematics at METU in 1974. He pursued his academic life in Canada and acquired his doctorate in Computer Science at the University of Waterloo.

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

Ali Yazıcı, who lectured as a faculty member at METU between 1979-1983, then worked as a lecturer at Yarmouk University in Jordan and Sultan Qaboos University in Oman; in 1988, he was granted the title of associate professor and returned to METU as a faculty member in the Department of Computer Engineering. Having received the title of Professor in 1994, Yazıcı worked at METU, Atılım, and TOBB universities, respectively.

Recently, he is a lecturer at Atılım University, Department of Software Engineering. Ali Yazıcı participated in numerous projects during his 45 years of academic experience and was recognized with numerous awards, including the SUR awarded by IBM and the grand prize awarded by Education Research Association for his project named "Lifelong Learning and Non-Formal Education".

Ali YAZICI acquired the position of Board Member at MIA Teknoloji A.Ş. in 2021.

### **2.3.2 Members of the Board of Directors, Authority and Limits of Senior Executives**

The Chairman of the Board of Directors, members, and senior executives of the company exercise the authorities specified in the relevant articles of the Turkish Commercial Code and the Articles of Association of the Company.

### **2.3.3 Board Committees**

In order to comply with the "Corporate Governance Communiqué" issued by the Capital Markets Board, the committees were re-formed in accordance with the Board of Directors Decision dated 26.08.2021 and numbered 2021/08.

#### **Audit Committee**

The Audit Committee is in charge of the company's accounting system, financial information public disclosure, independent auditing, and the operation and effectiveness of the company's internal control and internal audit system. The Audit Committee inspects the selection of the independent audit firm, the preparation of independent audit contracts, the start of the independent audit process, and the work of the independent audit firm at each stage. Audit Committee meetings are held four times a year, at least every three months, and the meeting resolutions are recorded in the minutes

and presented to the Board of Directors. After the Committee meetings' resolutions are written down, they are signed by the Committee members and archived. The Audit Committee notifies the Board of Directors in writing about the findings and suggestions it has acquired regarding its duties and responsibilities.

NAME AND SURNAME	TITLE	STATUS OF INDEPENDENCE
Özgür ÇİVİ	Audit Committee President	Independent Member
Ali YAZICI	Member	Independent Member

### Early Risk Detection Committee

The committee's purpose is to identify, define, prioritize, monitor, and review the strategic, financial, and operational risks and opportunities that may affect the Company's operations by calculating their impact and probability; to make suggestions and recommendations to the Board of Directors to be considered within their decision mechanisms in the management of these risks that may be exposed as well as the opportunities that can be benefited in conjunction with the company's risk profile, reporting, and evaluating of them. Committee meetings are held at least 3 times a year, and decisions are taken unanimously by the attendees. After the Committee meetings' resolutions are written down, they are signed by the Committee members and archived.

NAME AND SURNAME	TITLE	STATUS OF INDEPENDENCE
Özgür ÇİVİ	Early Risk Detection Committee	Independent Member
Ali Gökhan BELTEKİN	Member	Not an Independent Member
Mehmet Cengiz BAĞMANCI	Member	Not an Independent Member

### Corporate Governance Committee

The corporate governance committee determines whether the corporate governance principles are applied in the company and if not, the reasons and conflicts of interest that arise as a result of not fully complying with these principles. It also makes recommendations to the board of directors to improve corporate governance practices and oversees the work of the investor relations department. The Committee also performs the duties of the Nomination Committee and the Compensation Committee as specified in the Capital Markets Board's regulations. In general, the committee convenes three times a year and whenever necessary, without regard to the calendar, and makes

decisions unanimously by the attendees. After the decisions taken by the meetings are written down, they are signed by the Committee members and archived.

NAME AND SURNAME	TITLE	STATUS OF INDEPENDENCE
Özgür ÇİVİ	Corporate Governance Committee President	Independent Member
Ali YAZICI	Member	Independent Member
Mehmet Cengiz BAĞMANCI	Member	Not an Independent Member
Murat KEDİCİ	Member	Investor Relations Manager

#### Internal Information Access List

NAME AND SURNAME	TITLE
Ali Gökhan BELTEKİN	CHAIRMAN OF THE BOARD
İhsan ÜNAL	DEPUTY CHAIRPERSON OF BOARD OF DIRECTORS
Mehmet Cengiz BAĞMANCI	BOARD MEMBER
Ali YAZICI	INDEPENDENT BOARD MEMBER
Özgür ÇİVİ	INDEPENDENT BOARD MEMBER
Murat KEDİCİ	INVESTOR RELATIONS MANAGER
Arzu ŞAHDALAMAN GÜL	FINANCIAL CONSULTANT
Ali Osman EFLATUN	CAP AUDITOR

Elif ÖZDEMİR	TENDER AND CONTRACT SPECIALIST
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### 2.3.4 Number of Meetings of the Board of Directors during the Term and Participation of Members

Our Company Board of Directors held 7 (seven) meetings within the period of 01.01.2022-31.03.2022.

The Board of Directors meeting was held with the participation of all our members.

### 2.3.5 Assignments conducted by the Members of the Board of Directors and Managers Outside the Company

Members of the company's board of directors and managers do not conduct any assignments outside the company.

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

### 2.4.1 Capital

The registered capital limit of our company is 150,000.000 TRY and its issued capital is 38,000.000 TRY.

### 2.4.2 Shareholding Structure

Partners	Share Rate (%)
Ali Gökhan BELTEKİN	22.8157
Mehmet Cengiz BAĞMANCI	22,1447
İhsan ÜNAL	22,1447
OTHER	32.8949
<b>Total</b>	<b>100</b>

As of 31.03.2022, we have a total of 26.966 investors, 26.887 domestic and 79 foreign investors.

### 2.4.3 Privileged Shares

A) Privileged Share Amount: 5.000.000,00 TRY

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

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

The company has no direct or indirect subsidiaries or affiliates.

## 3. FINANCIAL RIGHTS GRANTED TO BOARD MEMBERS AND SENIOR EXECUTIVES

The total fee paid to the members of the Board of Directors and senior executives in the period of 01.01.2022-31.03.2022 is 675,950.91-TRY.

## 4. COMPANY ACTIVITIES AND ORGANIZATIONAL STRUCTURE

### 4.1 General Activities of the Company

In article 3 of the company's articles of association, titled "Purpose and Subject", the company's field of activity is summarized as follows;

To design, produce, conduct maintenance, and sell all kinds of systems, related to computer and information technologies as well as information security, to provide e-signature and certificate regarding an e-signature, to serve as a software and system integrator, to do consultancy and engineering, education and counseling as well as industrial design, to conduct any type of biometric system design (inc. fingerprint, iris, vein of face ID), to build biometric system webs, to manufacture software, to conduct the sale, maintenance, and technical support regarding 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 set up safety webs, to develop software, to provide maintenance, repair, sales, support, and technical services regarding these services;

The actual field 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 Providing in Gazi Teknopark since 2006.

The Company that is a holder of the certificates titled 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, 24/7 Call Center, Support and SLA Management, and Supplier certificates approved by Military Factories, have placed a high value on R&D studies, providing innovative software and projects, and actively collaborating with public institutions and private sector organizations in Turkey, as well as the world's leading companies in the international arena. Furthermore, it has been serving as a solution partner for a variety of institutions and organizations, providing tailor models and turn-key solutions.

With the MIA-MED Hospital Information Management System (HIMS) software, the company, which continues its collaboration with important university hospitals in the field of health, contributes to the creation of high standards manageable hospitals that cover the needs of the health sector, in accordance with the competitive environment and technological developments of the day. Furthermore, the company has been collaborating with many institutions in the sector and offering systems that can significantly solve a facility's needs by providing an infrastructure that can be developed utilizing PizzyKurum- Integrated Facility Security and Control Systems software.

The company has been serving as a software developer, manufacturer, and system integrator in many sectors, especially in the IT and health sector, with companies with significant brand value in Turkey such as Aselsan, Havelsan, İnnova, Türksat Bilişim, NEC.

The company is an informatics company established in 2006 to operate in the field of software. Since its founding, it has been developing software products for the practical field requirements of the IT sector, as well as serving public and private institutions in a variety of fields.

## **4.2 Information on the Investment Made by the Corporation During the Relevant Fiscal Period**

The details of the company's ongoing and completed projects are as follows;

### **Face Recognition and Matching System Built with Domestic Image Processing and Pattern Recognition Algorithms**

With the project, face detection and matching software, which are the most important pillars of face recognition systems, will be developed. The output of the project will be face recognition and face detection softwares 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, identification, will receive both national achievements and commercialization success.

In addition, the system aims:

- To produce the software necessary to develop a domestic facial recognition system,
- To produce a quality system with limited and low resources,
- To produce a system suitable for cyber security and data security,
- To develop a system that can serve nationally and internationally.

### **Biometric Verified Video Conferencing System**

The conference to be held on the platform will perform face recognition at regular intervals with the method of 1-1 when the system has Internet access and a camera presence. In the absence of these facilities, access to the program will be provided by fingerprints or face 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 exam, company, and in-house interviews, witness listening, e-judgment, whose market share is increasing 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 ensure that transactions are made with the right person, and to offer a fast and easy solution.

- Job Interviews,
- Human Resources Interviews,
- Inter-Company Meetings,
- Inter-Branch Meetings,
- Meetings with Field Staff,
- Official Meetings,
- Distance Education,
- Online Exam Systems,
- E-Judicial Systems, (Witness Listening, Remote Interrogation)
- It will be possible to bring people together in a different location and to verify the video conference with face recognition and software to be developed on subjects such as Medicine-Remote Diagnosis.

### **MIA Vehicle Identification Solutions**

It is the development of packaged software that can perform all identification processes on the vehicle 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 stable campus and a running road, and whose system integration is connected with authorized units. License plate identification system is a system where the license plates received from the cameras can be checked with the white or black lists created with the tools to be added individually or collectively. All transitions can be recorded, transactions on the basis of the plate can be acquired retrospectively and the results can be reported. And also a vehicle registration query with the license plate can be made and the list and other information of the vehicle can be changed.

Vehicle brand-model and color recognition system is a system for detecting brand, model, and color information with images taken from the cameras. Under-vehicle imaging systems are systems based on imaging the underside of vehicles with a camera located at a crossing point and comparing this image with the source (old or known) image.

Biometric recognition, on the other hand, takes the face information of the user in the driver's seat and performs pre-processing, face detection, and identification.

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

The device performs the process of giving mask, measuring fever and disinfecting hands with the steam form of the disinfectant in a contactless and fast way with card reader, barcode reader, coin and similar methods. This project, which is produced with domestic and national resources;

- is able to serve directly to the people without the need for an intermediary institution or organization.
- is able to work in integration with other applications (e-government, e-municipality, etc.) and easily follow up upon request.

- is able to serve on its own, no auxiliary personnel will be needed.
- It will allow you to obtain a mask directly thanks to the voice command without any intermediary contact.
- It has the feature of working integrated with Personnel Tracking Systems and access control system.

Areas of Utilization;

- SHOPPING MALL
- Educational institutions
- Public and Private Sector
- Airports
- Public Spaces

<<< it covers various places such as. >>>

### **MIA Health Integration System**

Hospital Information Management Systems (HIMS) required for the operation of hospitals; Transactions between hospitals and other health institutions (transfer, laboratory external service, assignment, etc.); Transactions between health institutions and government institutions (Medula, SGK Progress, 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 healthcare institutions and private companies (e-procurement, tender, stock, etc.) are presented in an easy-to-follow and reportable way on a single platform.

### **Obstacle Detection System with Depth Analysis and Image Processing for Aircrafts**

In the project, unmanned aerial vehicles will be equipped with an obstacle detection feature based on automation and learning. With the platform we want to develop, obstacle detection will be conducted with automation, and a decision support mechanism will be provided. In addition, remote mapping and virtualization with a time of flight camera, learning automation, and obtaining geographic 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 achieved in special and difficult areas. Closing an incomplete system for the defense industry and national aviation can be counted as another innovative aspect.

### **Traffic Control System**

A traffic control system software will be developed, which will consist of a web-based application, a decision support module, and a server application within the scope of the project. TCS project is an integrated system that includes vehicle counting, license plate recognition, instant speed control, red light violation detection, average speed monitoring, safety 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 in line with the data obtained and share them in the application center. In this context, the reports will contain content



such as date, time, place of incident, license plate information, number of vehicles, traffic density, the direction of traffic density, photos, and/or videos in line with their purposes.

### **Multi-Biometric Person Recognition System with Remote Fever Measurement**

It is a system that can be integrated with transition systems that perform remote non-contact fever measurement and mask control. It ensures that the daily fever measurements and mask control of the personnel whose attendance controls are carried out in the public and private sectors, are also performed, and the information obtained is recorded and reported. The system also gives a warning with an alarm 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 have developed:

- It is the only domestic product offered together with Personnel Attendance Tracking, Face Recognition, Temperature Measurement, Mask Tracking, Alarm and Warning Mechanisms, and Access Control.
- Ability to follow 8-10 people at simultaneously at 30 FPS (Maximum 6 people for competitor products)
- Costs 60% less than its foreign counterparts.

### **MIASOFT: Multi-model Biometric Fusion Based Authentication and Identification System Software**

With the project, authentication (1:1) and identification (1:N) functions will be provided within the scope of fusion to be realized in line with multi-model biometric (Face, Fingerprint, Finger Vein Print) data. The fusion, which will take place in line with the data obtained from different biometrics, will be performed at the feature level (Feature Level), match value level (Score Level), and decision stage level (Decision Level). With biometric fusion, a more efficient biometric system will be created in line with the authentication and identification processes (Accuracy), False Acceptance Rate (FAR) and False Rejection Rate (FRR) values.

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

Great advances will also be made in the detection and prediction-matching times of machines through deep learning and big data. Thanks to the database created, a large amount of data will be scanned very quickly and the desired transaction will be carried out more quickly and easily. Deep learning, which supports the machine learning mechanism, plays a major role in analyzing the acquired data and accelerating the processes. Thanks to the data volume, data diversity and data upload speed it will contain, the needs of the sector will be scripted faster and solutions or innovations will be obtained.

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

It is necessary to use the barcode system to determine, supply, stock, store, distribute and use the needs of drugs and medical consumables used in the provision of services in hospitals and implement the barcode system for an effective material management of these processes, and to develop the invoice unit service by supporting this with software.

With the Integrated Modern Health Informatics Layers Project, it is aimed to increase revenue by ensuring that the Hospital Information Management System (HIMS) works without loss. At the same time, it is aimed to develop and implement the hospital invoice and stock management system for the correct functioning of the statistics received by the lecturers for scientific research projects through HIMS.

### **Development of a Reliable System for Fast and Secure Biometric Identification**

Our primary goal within the scope of this project is to bring a new approach to identity verification methods that companies carry out during the recruitment process, by integrating Optical Character Recognition (OCR) and Biometric Identity Recognition (BIR) technologies.

The Developing a Reliable System for Fast and Secure Biometric Identification project covers all sectors including business profiles. Biometrics and optical character recognition activities will be used together in identification. Recruitment and authentication activities will be automated, cheap and accurate. It will provide a different solution compared to the solutions currently used.

### **Personalized Medical Cabinet Project**

Within the scope of the project, it will develop a fully automated personalized medical cabinet that can be used in all healthcare institutions with software and hardware development, fully integrated with existing hospital information management systems, and a decision support mechanism with its own parameters. With the realization of the project, this device, which is not currently used in hospitals in Turkey, will improve patient care processes, speed up the hospital workflow, facilitate drug tracking and record keeping, and will contribute to the prevention of human-induced negativities in the patient care process.

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

The project is the development of a software system that automatically evaluates and scores the classical exams organized by Student Selection and Placement Center, the Ministry of National Education and their affiliated institutions and organizations by eliminating the human factor. The software will be developed with natural language processing and artificial intelligence technologies and will be a first in its field in Turkey.

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

### **Contactless Kiosk**

It has been observed that digital infrastructure has great importance in many areas in terms of public health management during the pandemic crisis. Digital infrastructures need to be strengthened to reduce the effects of current and possible future crises.

With the kiosk we will develop, it will be able to easily control the interface of the person with its sensors that detect hand movements, transfer the videos, images, and texts in the system to the person, without disturbing the environment, thanks to the speaker system that provides linear sound transmission.

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

Thanks to the project; in closed and contaminated areas with high risk, cleaning of shopping malls, workplaces, campuses, institutions, hospitals, operating rooms, dining halls, etc. that require high sterilization will be ensured. Sterilization Robot, which will be a fast solution partner in pandemic problems, will play an active role in the management of crisis moments and sterilization measures.

The project will be able to carry out the necessary disinfection processes in areas where there is a high density of people, without disturbing people and when there are no people in the usage area, it will ensure that people are in a sterile environment the next day. The cleaning module will clean the floor of the designated areas. In addition, it will determine the dirty area and clean the relevant area. By communicating with the sensors in the environment, it will be able to detect the data such as ambient density and humidity rate and send information to the relevant persons.

### **MIA-Tech**

MiA-Tech project targets all jobs that cannot be managed with traditional methods. At the same time, it will be a solution that will improve the processes of campuses, public institutions, banks, shopping centers, university and city hospitals, prisons, factories and private enterprises where the processes are inefficiently managed and the number of employees and visitors is high due to the manual processes.

With the project, the company will develop solutions that aim to meet all the needs of many institutions from end to end, combine the needs and requirements of the institutions outside the main fields of activity with the service quality, and develop solutions that cover functional purposes, and will develop solutions that will increase the efficiency and profitability of the institution.

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

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

The aim of the company with the project is to develop an adaptive image processing system for instant quality control on the line, enabling fast, non-contact and remote measurement, object recognition and defect-error detection, and integrating it into the quality control processes on the production line.

The remote accessibility of the system to be developed with cloud integration will ensure the secure traceability of the system data and even provide the ability to use and control remotely. Nonconformities (dimensional, structural, and texture mismatches) seen in production lines for

different sectors will be detected and eliminated at the part level with a generalizable production line automation tool that can measure and evaluate based on image processing.

With the project output, it is aimed to increase the use of technology in production by enabling enterprises to increase capacity and efficiency in production, and by making precise measurements and bringing near-perfect products to the end consumer.

### **MIA HealthCare**

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

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

With the project, an application will be developed in which the advertisement/promotion/information stages of the product or brand will be presented via AR technology. Thus, companies will promote their brands or products with the AR application.

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

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

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

With the project, a system that uses deep learning methods will be developed to replace the standard Computer Vision and image processing techniques, which 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 because human populations have different dynamics and psychological characteristics. In most surveillance scenarios, there is a need to identify, count, and group community behaviors. The solution we have developed in this context is divided into five parts:

- Counting people/ density estimation
- Human tracking
- Behavior understanding or anomaly detection
- Determination of mood
- Abnormal human voice detection

The system developed in this context will provide information to the security organization about the number of people in populated areas, the tracking of the person sought, the emotional state, the detection of anomalies and abnormal human voices, and possible dangers and/or threats.

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

The main aim of the project is to develop a service-oriented system that implements AR technology for remote maintenance by providing cooperation between the on-site technician and the manufacturer. The proposed system includes methods for end-user recording of installation/fault/maintenance, actions required by the expert to provide instructions in Augmented Reality application for maintenance, information exchange, and platform to allow their communication.

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

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

This process will also be very useful in detecting useless or broken parts and possible malfunctions they cause. Thanks to the virtual reality job training, the employees will feel as if they are walking around in the equipment, so that they can perform virtual reality job trainings by gamifying detailed maintenance plans and work efficiency will increase.

With virtual reality occupational safety training, it will also allow the simulation of dangerous situations such as equipment breakdown, chemical spread, dangerous machines, noise that may be encountered in factories or production facilities, and will enable the determination of what needs to be accomplished without putting the operators at risk. Employees who get virtual training experience about unexpected situations with virtual reality occupational safety training will remember what they need to do in the face of situations they experience during training in real life and will implement actions faster.

### **Traffic Control System-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 monitoring, safety lane violation, smart intersection system, and parking system. Instant speed control and smart intersection systems, which have recently started to be used in our country, are entire of foreign origin. Within the scope of the project, systems that will create import substitution in our country will be developed in this direction.

The developed system will process the data obtained from the camera, radar, and infrared sensors and will produce decision support reports. The reports produced can be shared in a requested center or in more than one location.

### **e-Sports Reaction and Accuracy Rate Measurement Software (AIM-TEST)**

AIM-TEST project, which aims to test and develop the skills of the players, will be able to easily monitor the development, deficiencies and performances of the players of the teams on a single platform and this data will be presented to the teams in a reportable way. With the artificial intelligence module to be added to our AIM-TEST application, players who test their engagement skills will be offered training programs to follow and subcategories to develop. In this way, players will be able to overcome their deficiencies in an optimal way.

### **Augmented Reality Based Indoor Mapping Mobile Application**

The project will enable people to reach the locations they want to reach with more accurate results by minimizing the errors and effort that can be caused by assisting people in directing them to various locations by allocating manpower. The project aimed to be developed will be used actively in many sectors, with priority being given to institutions such as hospitals and hotels with more rooms and floors.

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

The platform to be developed will enable participants to move with their avatars (digital characters) in a wide digital activity area, to follow the activity, and to communicate with other avatars (verbal and mobile). The three-dimensional digital activity area will be able to offer various special areas as well as open and closed areas to the participants. In addition to ordinary participants; speakers, businesses, service/product providers and organizers will also have avatars available. Live and recorded video broadcasts will be available through avatars or real persons appearing on the screens. There will be digitized features of regular activities such as virtual rooms, information desks, presentations on the walls.

### **Artificial Intelligence Based Safe Public Transport Management System to Increase the Safety of Passengers and Drivers in Public Transport Vehicles**

Public transport has two components related to the negative experience during the trip: driver and passenger. In the proposed solution, we aim to integrate the 'Artificial Intelligence Based Safe Public Transportation Management System' into public transportation vehicles to improve 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, detecting anomalies with deep learning and image processing technologies and sending alarms to the headquarters. Thus, headquarters officials will provide intervention in line with incoming alarms. Systems that we will detect and analyze within the scope of the project: Driver Analysis System will operate as Eye Monitoring and Blink Detection, Face Monitoring, Mobile Detection. Inside Cabin Abnormality Detection System will perform Crowd Abnormality Detection and Human Counting functions.

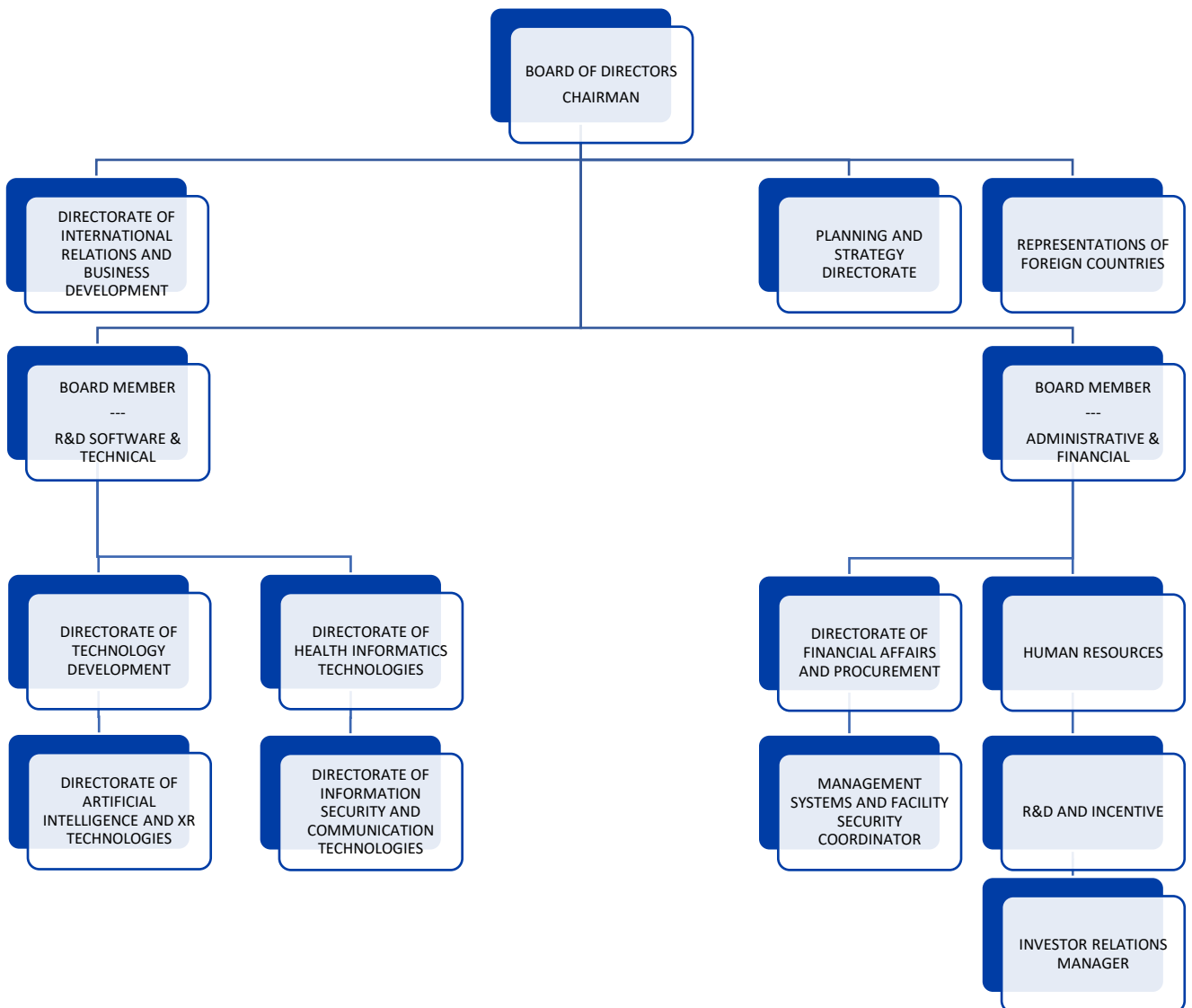
### **Development of Secure Payment System with Mobile and Card Payment Solution**

Counterfeit identity and unauthorized transactions for payments continue to create problems for banks and their users. Solutions for this problem are offered with different authentication technologies such as biometric and mobile methods. The Mobile and Card Payment Solution to be

developed will enable people to use many different cards and methods used in daily life in areas such as transportation and shopping on a single platform. The Mobile and Card Payment Solution will have the following systems:

- Public Transportation Payment Solutions
- Food and Product Purchase Payment Systems in Facility Management
- Mobile Wallet and Money Transfer Technologies
- Biometric Confirmation System

### 4.3 Organizational Chart



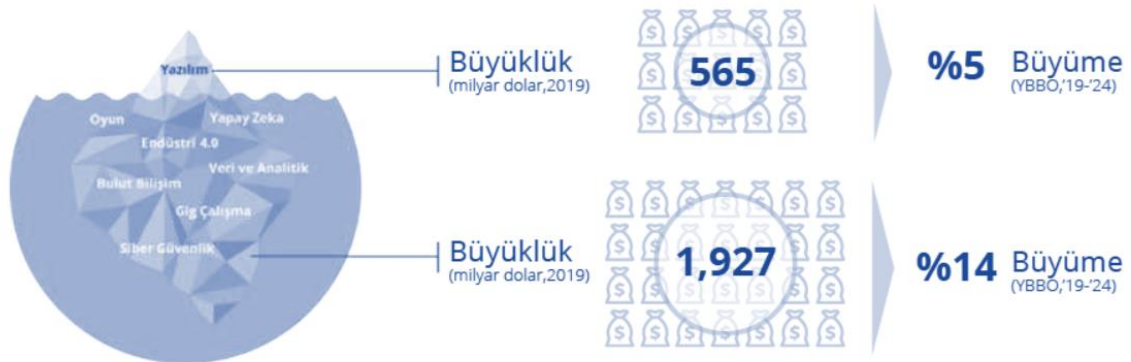
## 5. OPERATING MARKETS/SECTORS

According to Deloitte's report on the future of the software ecosystem in Turkey dated January 2021 the global software sector, which reached a global size of \$565 billion in 2019, is expected to grow by 5% in the next five years. The software sector is a strategic sector not only with its mentioned size but also with its chain effect on the economy. The software sector has led to the emergence of many digital sectors such as games, digital transformation, and mobile applications in the last 10 years with the effect of the internet, mobile phones, and increasing corporate Information Technology (IT) investments. The total size of these sectors has nearly quadrupled in the software sector, and the growth rate is three times that of the software sector. While the total size of the software sector and the digital sectors it interacts with on a global scale is 2.5 trillion dollars in 2019, this figure is expected to increase to 4 trillion dollars at the end of the next 5 years.

Although the software industry is of a critical size on its own, it shows its real impact on other digital products and services that are affected by it. The size of other sectors such as gaming, digital transformation, and the Gig Economy affected by the software industry is almost 4 times the size of the software industry, and the average growth rate is about 3 times higher than the software industry. This makes digital industries a dynamic sector with a size of nearly 2.5 trillion dollars today.

### Yazılım sektörü ve etkilediği dijital sektörlerin büyüklükleri

Dünya toplam / 2020 (milyar dolar)



<https://tusiad.org/tr/yayinlar/raporlar/item/10709-turkiye-de-yazilim-ekosisteminin-gelecegi>

<sup>1</sup> <https://www2.deloitte.com/tr/tr/pages/consulting/articles/turkiyede-yazilim-ekosisteminin-gelecegi.html>

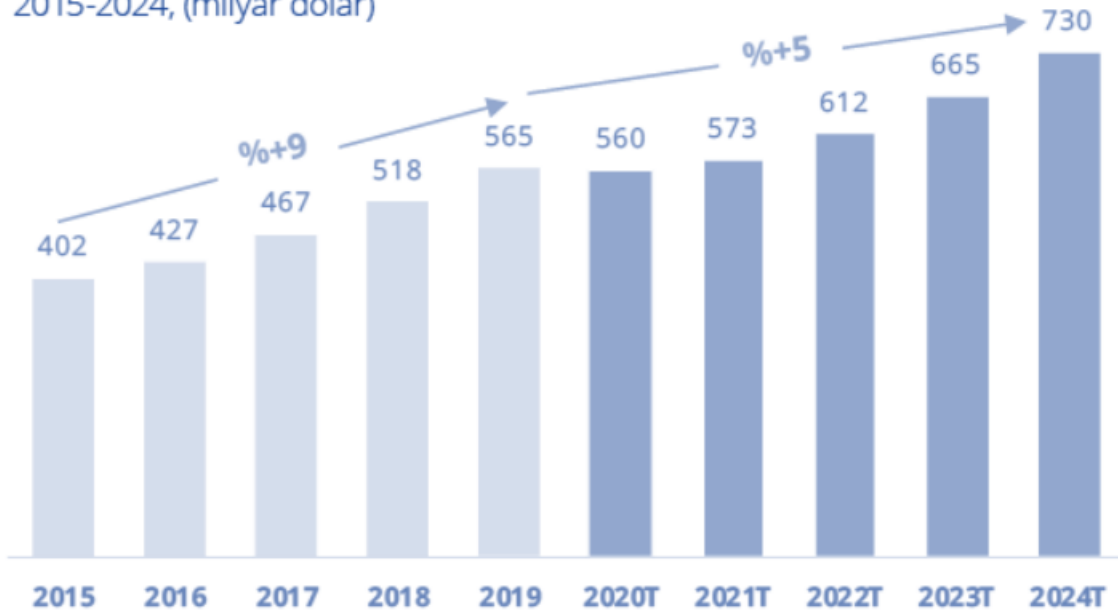


**Seçilmiş Sektörler ve Bu Sektörlerde Öne Çıkan Yazılım Şirketleri, 2020 (milyar dolar)**

	Şirket Yaşı	Piyasa Değeri (milyar USD)	Çalışan Sayısı (bin kişi)		Şirket Yaşı	Piyasa Değeri (milyar USD)	Çalışan Sayısı (bin kişi)
	25	1,600	876		58	433	2200
	16	796	53		98	75	26
	11	87	22		53	10	90
	12	54	5		86	30	8
	12	35	7,5		101	29	173
	23	223	8,6		97	270	223

<https://tusiad.org/tr/yayinlar/raporlar/item/10709-turkiye-de-yazilim-ekosisteminin-gelecegi>

**Yazılım Sektörü Pazar Büyüklüğü, Dünya Toplam, 2015-2024, (milyar dolar)**



<https://tusiad.org/tr/yayinlar/raporlar/item/10709-turkiye-de-yazilim-ekosisteminin-gelecegi>

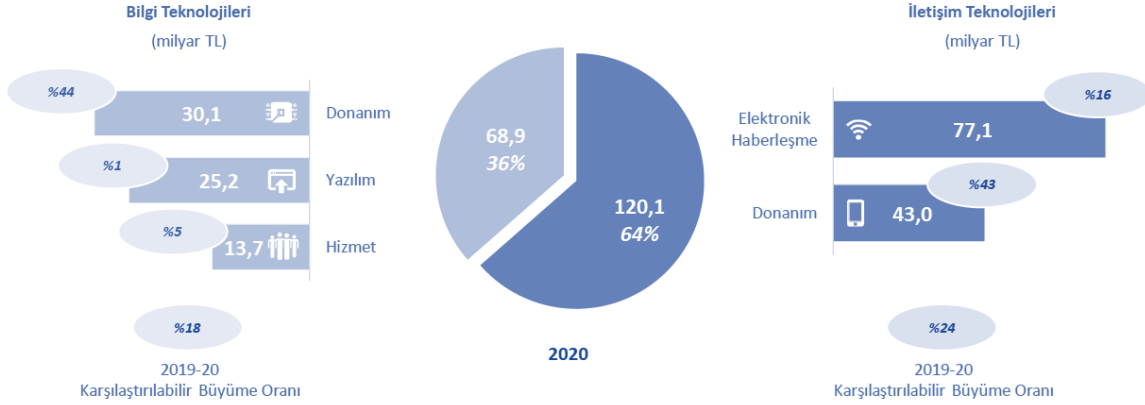
**The Outlook of the Information Sector in Turkey**

According to the Information and Communication Technologies Sector Report released by Informatics Industry Association (TUBISAD) <sup>2</sup>, the total sector size reached 189 billion TL (26.9 billion USD) in 2020. Accordingly, the sector has grown by 22% in terms of TL in 2020. The average annual growth rate on the basis of TL between 2016 and 2020 is 19%. 64% of the 189 billion TL

<sup>2</sup> [https://www.tubisad.org.tr/tr/images/pdf/tubisad\\_bit\\_2020\\_raporu\\_tr.pdf](https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf)

market in 2020 is communication technologies (including revenues of operators) and 36% is information technologies including software, hardware and services.

Bilgi ve İletişim Teknolojileri Sektörü Alt Kategorileri



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**Total Sector Size in Turkey**

While the sector players within the scope of TÜBİSAD's market data study were 3421 in 2016, this number increased to 4701 in 2017, 5405 in 2018, and 5729 in 2019. The number of players in 2020, which was the basis of the last report, was 6315.

Çalışma Kapsamında Yer Alan Sektör Oyuncuları



Pazar verileri çalışması kapsamında toplanan tüm veriler sektör şirketlerimiz tarafından sağlanmaktadır. Çalışmamız kapsamında yer alan şirket sayısı son sekiz yıl boyunca altı kattan fazla artarak 2020 yılında 6.315'e ulaşmıştır.



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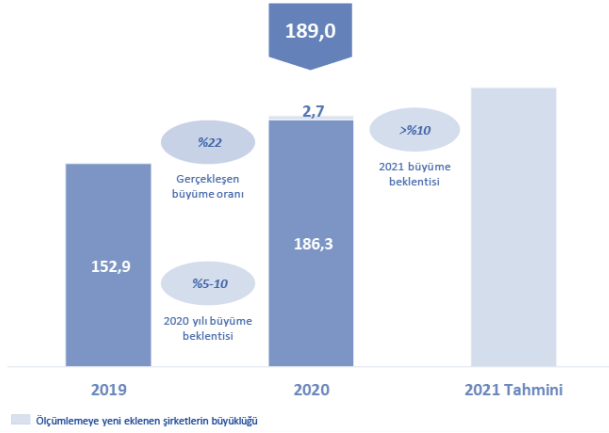
While the total sector size was 94.3 billion TL in 2016, it increased by 21% to 113.8 billion TL in 2017. The market grew by 17% in 2018 and reached TL 132.8 billion. In 2019, the sector reached 152.7 billion TL with a growth of 14%. It reached 186.3 billion TL with 22% growth in 2020.

### Toplam Sektör Büyüklüğü (milyar TL)

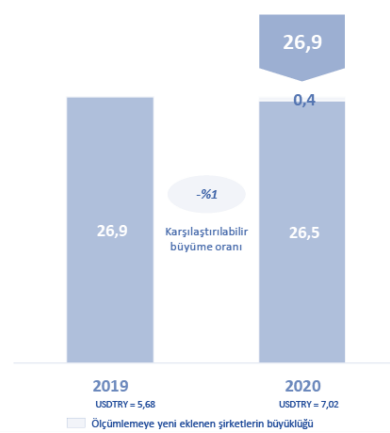
2020 yılında pazar büyüklüğü 189,0 milyar TL'ye (26,9 milyar USD) ulaşmıştır.



#### Bilgi ve İletişim Teknolojileri Pazar Büyüklüğü (milyar TL)



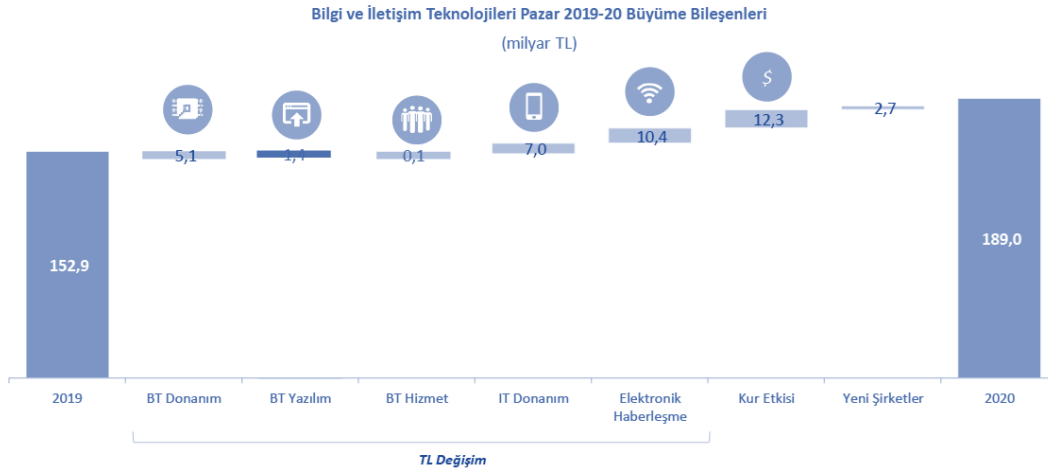
(milyar USD)



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### Sektör Büyüme Bileşenleri

Kur etkisi ve elektronik haberleşme, sektör büyümesine sırasıyla 12,3 ve 10,4 milyar TL katkıda bulunmuştur.



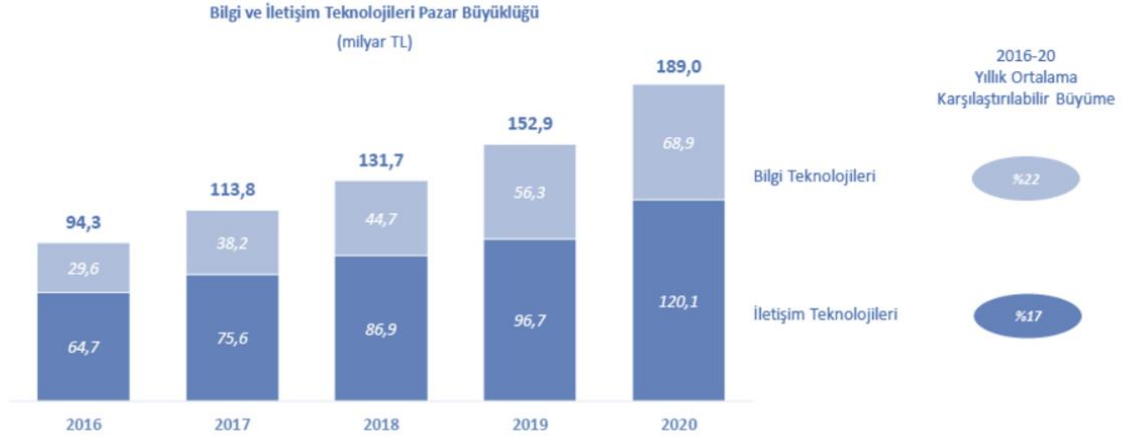
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While the market size of the information technologies market, which is one of the two main components of the sector, was 29.6 billion TL in 2016, with an average annual growth of 22%; It reached 38.2 billion TL in 2017, 44.7 billion TL in 2018, and 56.3 billion TL in 2019. The information technology market completed 2020 with 68.9 billion TL.

While the communication technology market, which is the second main market, was 64.7 billion TL in 2016, with an average growth of 17% per year, it completed 2020 with 120.1 billion TL, which was 75.6 billion TL in 2017, 86.9 billion TL in 2018 and 96.7 billion TL in 2019.

**Bilgi ve İletişim Teknolojileri Pazar Kırılımı – milyar TL**

Bilgi Teknolojileri, İletişim Teknolojileri'ne göre 2016-2020 yılları arasında daha hızlı büyümüştür.



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Information technology sub-sectors consist of hardware, software and service sectors. The size of the hardware sector reached 30.1 billion TL with 44% growth in 2020. In 2020, the software sector grew by 1% to 25.2 billion TL. The service sector grew by 5% in 2020 and reached 13.7 billion TL.

Communication technologies sub-sectors consist of electronic communication and hardware sectors. The size of the electronic communication sector reached 77.1 billion TL with 16% growth in 2020. In 2020, the hardware sector grew by 43% to 43 billion TL.

**2020 Bilgi ve İletişim Teknolojileri Pazarı**

milyar TL



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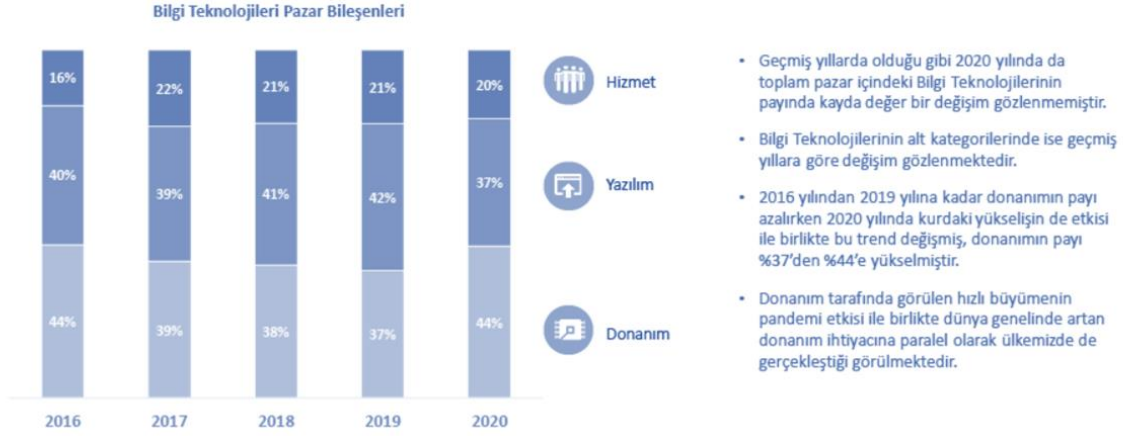
Although the share distribution of information technologies in the total does not change much, fluctuations in the exchange rate have caused the increase in the hardware category, which is

predominantly imported, to surpass the increase in the software and service categories, which are predominantly domestic products

### Alt Kategori Paylarının Yıllara Göre Değişimi



Global trendler ile uyumlu bir şekilde Türkiye'de de donanım tarafındaki hızlı büyüme ile bu kategorinin Bilgi Teknolojileri içerisindeki payı artmıştır.



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### Information and Communication Technologies Sector Exports

In 2020, the sector's total exports reached 10,520 million TL with an increase of 53%.

### Bilgi ve İletişim Teknolojileri Sektörü İhracatı



Toplam ihracat içerisindeki en büyük pay Bilgi Teknolojileri Yazılım kategorisindedir.

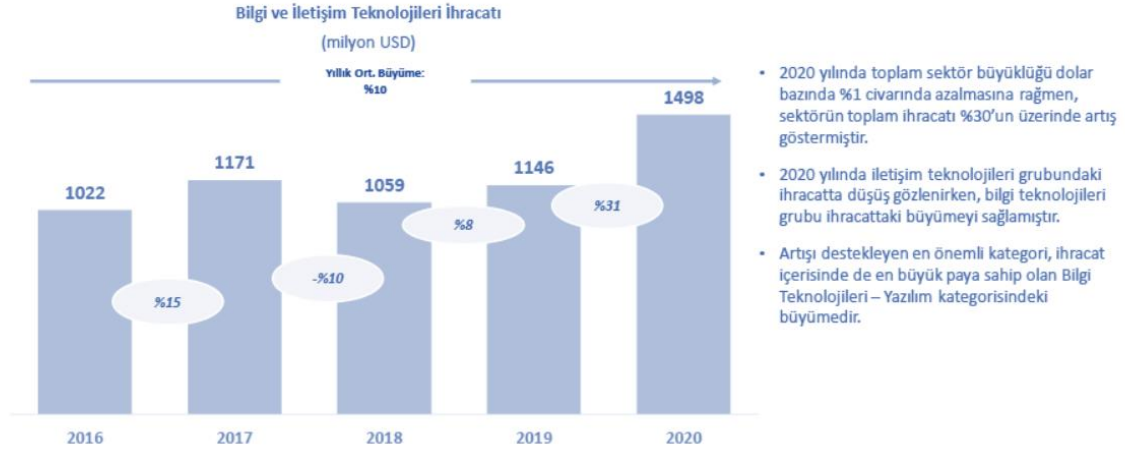


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### Bilgi ve İletişim Teknolojileri Sektörü İhracatı

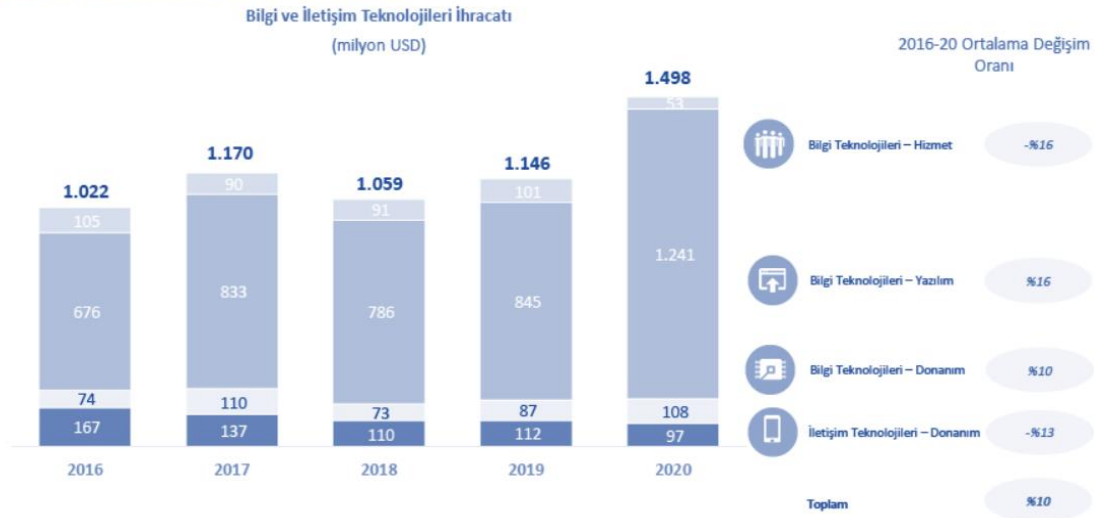
Sektörün toplam ihracatı 2016-2020 yılları arasında dolar bazında yıllık ortalama %10 büyümüştür.



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### Bilgi ve İletişim Teknolojileri Sektörü İhracatı

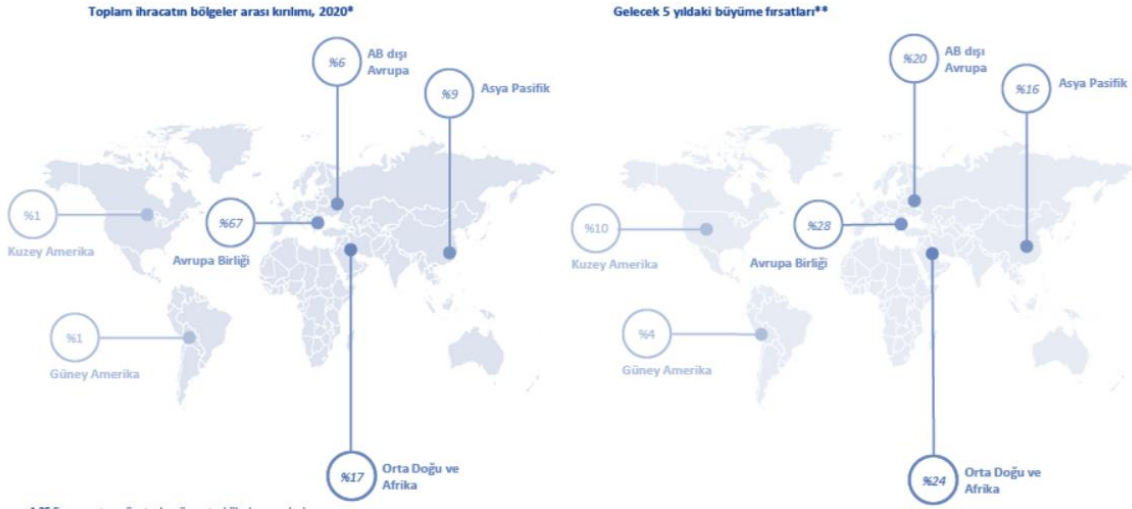
Alt kategoriler bazında gelişim - milyon USD



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The distribution of exports by regions in 2020 is as follows: A very large part of the export was made to the European Union with 67%. Regions with the second highest exports are Middle East and Africa with 17%. The remaining 16% of the exports are to America, non-EU Europe and Asia Pacific regions.

## İhracat Yapılan Bölgeler ve Büyüme Fırsatları



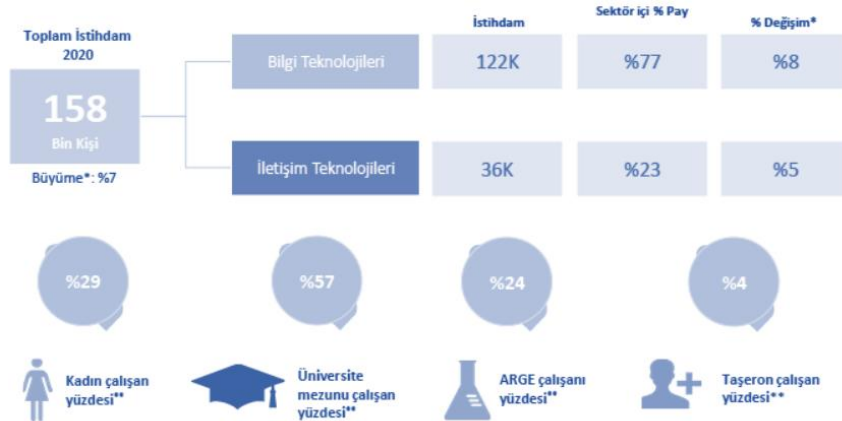
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In 2020, total employment increased by 7% compared to the previous year and reached 158,000 people. 122,000 of these 158,000 people work in the field of information technologies and 36,000 in the field of communication technologies. Approximately 29% of the sector consists of women employees, 57% of them university graduates, 24% of R&D employees, and 4% of them work as subcontractors.

## İstihdam (bin kişi)



Sektörün toplam istihdamı %7'lik büyüme ile 2020 yılında 158 bin'e ulaşmıştır.



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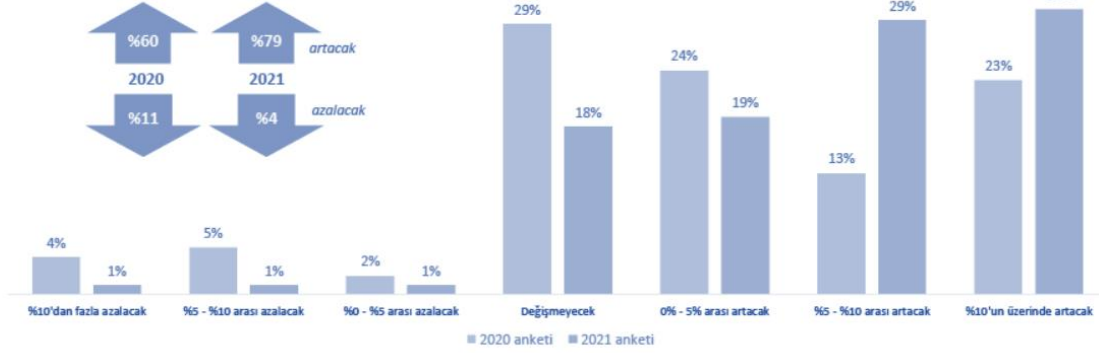
Approximately 79% of the companies in the sector expect growth in employment in 2021. Those who think that the growth in employment will be more than 10% is around 31%. In general, the expectation that employment will decrease is at the level of 4%.

## İstihdam



2021 yılında sektör istihdamının artmasını bekleyen sektör oyuncularının oranı 2020'ye göre artış göstermiştir.

Size göre bu yıl şirketinizdeki istihdam değişimi ne şekilde olacaktır?



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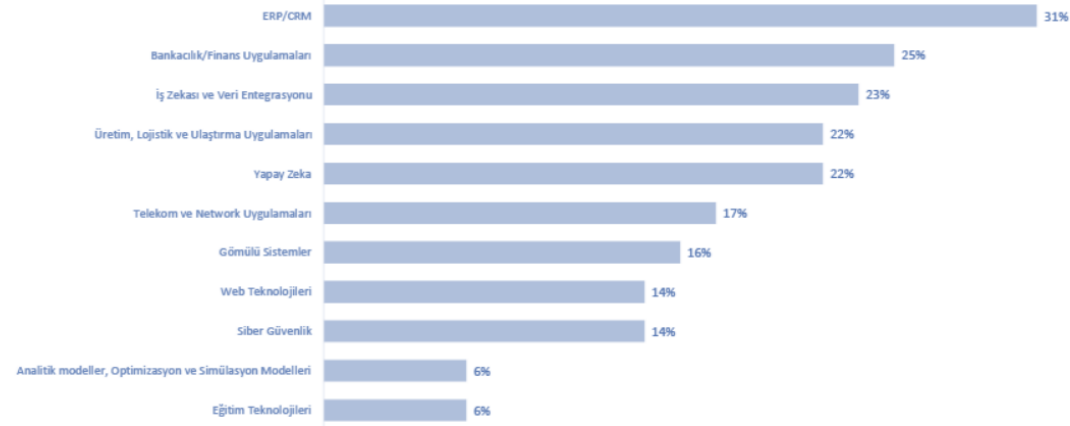
Among the areas where software is developed in the sector, ERP/CRM applications, in which the Issuer also operates the most, are the leading applications. ERP/CRM applications are followed by Banking/Finance applications and Business Intelligence applications.

## Sektörde Yazılım Geliştirilen Alanlar



Çalışmaya katılan şirketlerden yazılım alanında faaliyet gösterenler arasında ERP/CRM, bankacılık uygulamaları ve iş zekası ve veri entegrasyonu alanları öne çıkmaktadır.

Şirketinizin hangi yazılım tipi alanında faaliyeti vardır?



Anket katılımcısı ve yazılım cirosu olan firmalar arasında, N = 64  
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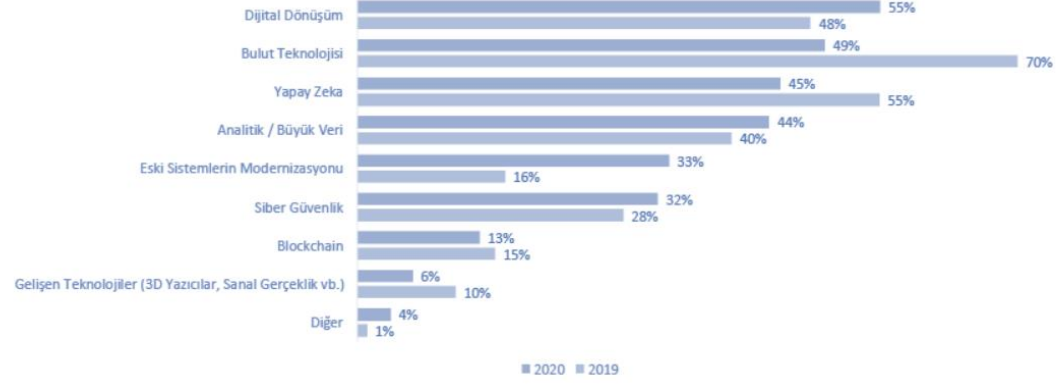


## Sektörün Etki Alanları



2021 yılında katılımcılar tarafından dijital dönüşümün sektörde ön plana çıkan teknolojik alan olması beklenmektedir.

Önümüzdeki bir yıl için, aşağıdaki teknolojik alanlar içerisinde hangilerinin sektörünüz üzerinde en fazla etkiye sahip olacağını öngörüyorsunuz (En fazla üç şık işaretleyiniz)



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## 6. DEVELOPMENT AS OF THE FIRST QUARTER OF 2022

- Business development studies have been started for the sale of R&D projects developed and completed within the scope of meta-verse technology; in this context, meetings have been held with public institutions and private companies.
- Within the framework of the contract, which has been ongoing since 2018, between Bursa Uludağ University Revolving Fund Management Directorate and MİA Teknoloji AŞ, the execution of the work within the scope of the "Health Application and Research Center Hospital Information Management System Software Update, Continuity of Service, Compliance and Version Upgrade Service Procurement" contract signed with a price of 2.520.000,00 TL to be valid between 01.01.2022 and 31.12.2024 has started.
- A project order for "Biometric Person Recognition Systems" was received from a Turkey-based financial institution with a cost of 276,397.00 USD (US Dollars). The execution of the project has been started.
- The execution of the "Konya Karapınar YEKA-1 SPP Project Security and Lighting Systems Phase 3-4-5" project, for which an order approval was received from AselsanNET Elektronik ve Haberleşme Sistemleri Sanayi Ticaret İnşaat ve Taahhüt Ltd. for 3,435,238,10 TL and 1,974,554.06 USD (US Dollar), has started.
- The following agreements have been made, provided that they are signed in 2021 and valid as of the year 2022:
  - OSYM e-Test Center Maintenance Agreement
  - National Library Maintenance Agreement
  - Bursa Uludağ University Health Research and Training Center Hospital Information Management System (HBYS) Maintenance Agreement
  - Çanakkale 18 Mart University Research and Training Center HBYS Maintenance Agreement
  - Kahramanmaraş Sütçü İmam University Health Research and Training Center HBYS Maintenance Agreement
  - Düzce University Health Research and Training Center HBYS Care Agreement
  - Aydın Adnan Menderes University Research and Training Hospital HBYS Maintenance Agreement
  - Antalya Akdeniz University Health Research and Training Center HBYS Maintenance Agreement
  - Zonguldak Bülent Ecevit University Research and Training Center HBYS Maintenance Agreement
  - Balıkesir University Health Research and Training Center HBYS Care Agreement
- Business development studies have been started by taking an investment decision in the field of micro mobility.
- With the grant of Asean Development Bank; Public Transportation Vehicle Safety Project carried out in Thailand has been started. Software and development activities continue.
- Arbitrator and technopark approval process has been successfully completed for the Project of Improving a Secure Payment System with Mobile and Card Payment Solution. R&D activities of the project have been started.

## 7. INCENTIVES BENEFITED BY THE COMPANY

The company benefits from Technopole, R&D support and other incentives of SSI. Various incentives and advantages benefited by the company are within the scope of the following Laws;

**Law No. 5746 on Supporting Research, Development and Design Activities;** The purpose of this Law; Production of technological knowledge, innovation in products and production processes, raising product quality and standards, increasing productivity, reducing production costs, commercializing technological knowledge, developing pre-competitive cooperation in order to make the country's economy internationally competitive through R&D, innovation and design, and also to support and encourage technology-intensive production, entrepreneurship and investments in these fields, as well as accelerating the entry of foreign direct investment in R&D, innovation and design into the country, and increasing employment of R&D and design personnel and qualified workforce. Within the scope of this Law, all R&D and innovation expenditures are taken into account as a deduction in the determination of taxable corporate income until 31.12.2028. However, there is an Income Tax Withholding incentive for all R&D personnel and up to 10% of support personnel. In addition, there are Stamp Duty Exemption and Insurance Premium support.

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

### 5-POINT DISCOUNT INCENTIVE

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

Document Number: 5510

Related Incentive started to be implemented on 01.10.2008. It is still in effect and implemented in our workplace.

Private sector employers may benefit from a discount equal to five points of the employer's share of the invalidity, old-age and survivors insurance premiums calculated over the premium earnings of the insured for the insured.

- Monthly premium and service certificate / withholding tax and premium service declaration submitted to the Authority within the legal period,

- Payment of premiums within the legal period,
- No premiums, administrative fines, and related delay increment and penalty debts, if any, the fact that these debts are structured, in installments and paid regularly,
- Not employing unregistered insured / not making false insured notification,
- The fact that the employer is not one of the institutions and organizations falling within the scope of the second paragraph of Article 30 of Law No. 5335,
- The work done should not be one of the procurement and construction works within the scope of Laws No. 2886, 4734 and Article 3 of Law No. 4734 or pursuant to international agreements,

### **ADDITIONAL EMPLOYMENT INCENTIVE**

LEGAL BASIS Provisional Article 19 of the Unemployment Insurance Law No. 4447, Circular No. 2018/22

Document Number 17103-27103

Related Incentive started to be implemented on 01.01.2018. The incentive will end on 31.12.2022 and is implemented in our workplace.

For the insured who were recruited and covered between 1/1/2018 and 31/12/2022; For workplaces operating in the manufacturing or informatics sector determined by the Council of Ministers Decision No. 2018/11969; For workplaces operating in other sectors, all of the insured and employer's share premiums calculated over the earnings subject to premium, not to exceed the gross minimum wage; All premiums of the insured and employer's share calculated over the lower limit of earnings subject to premium will be covered by the Unemployment Insurance Fund.

### **CONDITIONS FOR BENEFITING FROM THE INCENTIVE**

#### **In terms of the Employer**

- Monthly premium and service certificate / withholding tax and premium service declaration submitted to the Authority within the legal period,
- No premiums, administrative fines, and related delay increment and penalty debts,
- Continuing the timely and regular payment of structured/instalment debts,
- Not making false insured notifications, not employing unregistered insured

#### **In Terms of the Insured**

- Having been hired between 1/1/2018 and 31/12/2022,
- Being unemployed registered with the Turkish Employment Agency,
- Not being registered within the scope of 4/1-a, b and c clauses of Law numbered 5510 for more than 10 days in the monthly premium and service documents given to our Institution for the three months before the date of their recruitment,
- Employing the insured in addition to the average number of insured persons reported to the Institution in the calendar year preceding the year of recruitment,

- In addition, the period of benefiting from the Support is 12 Months; This period is 18 months as of the insured's employment date for female insured persons over 18 years of age, male insured persons over 18 years of age and younger than 25, and insured persons registered with the Turkish Employment Agency as disabled. For those who do not comply with these conditions and for men over 25 years old, this period is 12 months. However, the incentive period cannot exceed 2022/December/period in any way. The period of utilization was extended to 31/12/2022 with the Presidential Decree dated 1/12/2020 and numbered 3248. Workplaces falling within the scope of paragraph 2 of Article 5335/30 and employers undertaking works with tenders made within the scope of Laws No. 4734 and 2886 cannot benefit from this incentive.

### **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

Related Incentive started to be implemented on 01.07.2008. It is still in effect and implemented in our workplace.

The Ministry of Treasury and Finance has provided the opportunity to cover all of the employer shares of the disabled insured employed in the workplaces belonging to the private sector, calculated over the lower limit of earnings based on premium.

### **CONDITIONS FOR BENEFITING FROM THE INCENTIVE**

- Employment of disabled insured,
- Monthly premium and service certificate given to the Institution within the legal period,
- Payment of premiums,
- This incentive cannot be benefited due to social security support premium and community insurance, insured working abroad and candidate apprentices, apprentices and students.
- The 5-point discount is calculated over Premium Based Earnings (PEK), and the remaining 15.5% employer's share is calculated over the minimum wage

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

LEGAL BASIS: Article 3 of the Law No. 5746 on Supporting Research, Development and Design Activities, Circulars No. 2008/85 – 2009/21.

Document Type: 5746-15746

Related Incentive started to be implemented on 01.07.2008. It will end on 31.12.2028 and is implemented in our workplace.

DESCRIPTION: Half of the employer's share of the insurance premium calculated over the wages of the R&D/Design and support personnel and the personnel whose wages are exempt from income tax in accordance with the temporary article 2 of the Law No. 4691 is covered

from the appropriation to be put in the budget of the Ministry of Treasury and Finance until 31/12/2028.

#### CONDITIONS FOR BENEFITING FROM THE INCENTIVE

- The monthly premium and service certificate / concise and premium service declaration submitted to the Institution within the legal period, premiums have been paid,
- Actual work of the insured,
- The insureds should be R&D/Design personnel or support personnel not exceeding 10% of the number of R&D personnel, or personnel whose wages exempt from income tax pursuant to Law No. 4691.
- 5 point discount and half of the remaining 15.5% employer share (7.75%) is calculated over PEK.

## 8. QUALIFICATION, CERTIFICATION AND REGISTRATION DOCUMENTS OF THE COMPANY

S.N	DOCUMENT NAME	INSTITUTION FROM WHICH THE DOCUMENT WAS OBTAINED	DATE OF ISSUE	VALIDITY DATE
1	ISO 9001:2015 QUALITY MANAGEMENT SYSTEM	QSI	16.04.2021	19.04.2023
2	ISO 14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM	QSI	16.04.2021	19.04.2023
3	ISO 45001:2018 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM	QSI	11.01.2021	11.01.2023
4	ISO/IEC 27001:2013 INFORMATION SECURITY MANAGEMENT SYSTEM	QSI	6.12.2019	6.12.2022
5	MILITARY FACTORIES APPROVED SUPPLIER CERTIFICATE	MSB (MINISTRY OF NATIONAL DEFENSE) / AFGM (GENERAL DIRECTORATE OF MILITARY FACTORIES)	10.09.2019 16.12.2021	16.12.2023
6	FACILITY SECURITY CERTIFICATE (NATIONAL CONFIDENTIAL)	MSB (Ministry of National Defense)	2018	31.12.2023

7	NATO SECURITY DOCUMENT (NATO CONFIDENTIAL)	MSB (Ministry of National Defense) / MINISTRY OF FOREIGN AFFAIRS	5.12.2018	5.12.2023
8	AFTER-SALES SERVICE COMPETENCY CERTIFICATE	MINISTRY OF COMMERCE	17.06.2020	17.06.2022
9	CERTIFICATE OF SERVICE COMPETENCY	TSE (Turkish Standards Institute)	9.09.2008	10.09.2022
10	CAPACITY REPORT	ANKARA CHAMBER OF INDUSTRY/ TOBB (the Union of Chambers and Commodity Exchanges of Turkey)	27.04.2020	28.04.2022
11	TS ISO / IEC 15504 SPICE ORGANIZATIONAL MATURITY CERTIFICATE LEVEL 2	TSE (Turkish Standards Institute)	28.03.2017	30.10.2023
12	20000-1 INFORMATION TECHNOLOGIES SERVICE MANAGEMENT SYSTEM	QSI	19.12.2020	19.12.2022
13	TS/ISO 22301:2012 BUSINESS CONTINUITY MANAGEMENT SYSTEM	QSI	19.04.2021	19.04.2023
14	ID100-B FACE + FINGER VESSEL PRINT + CARD READER DOMESTIC GOODS DOCUMENT	ASO (Ankara Chamber of Industry)	17.05.2021	17.05.2022
15	ID100-B1 FACE+ CARD READER DOMESTIC GOODS CERTIFICATE	ASO (Ankara Chamber of Industry)	17.05.2021	17.05.2022
16	ID100-M1 CARD READER DOMESTIC GOODS CERTIFICATE	ASO (Ankara Chamber of Industry)	17.05.2021	17.05.2022
<b>GENERAL DIRECTORATE OF COPYRIGHT REGISTRATION DOCUMENTS</b>				
17	REGISTRATION CERTIFICATE FOR COMPUTER PROGRAMS	MINISTRY of CULTURE and TOURISM	23.12.2019	Indefinite

18	Augmented Reality Based Mobile Application for Informative Product Content	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
19	Integrated Modern Health Informatics Layers	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
20	VR (Virtual Reality) Based Training System for Safe On-the-Job Training Processes	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
21	Fast and Secure Biometric Identification System	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
22	Personalized Medical Cabinet Project	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
23	Automatic Exam Evaluation System with Machine Learning and Natural Language Processing Techniques	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
24	Person Recognition System with Mask Detection and Fever Measurement	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
25	MIA Vehicle Identification Solutions	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
26	MIA HealthCare	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
27	MİA HEALTH INTEGRATION SYSTEM	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
28	MIA-HYGIENE DOOR	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite



29	Development of Mobile Multiple Biometric Recording Unit	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
30	Virtual Experience for Museums - V-REX	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
31	Multi-Biometric Person Recognition System with Remote Fever Measurement	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
32	AR (Augmented Reality) Based Remote Maintenance System for Remote Field Support Activities	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite
33	Face Recognition and Matching System Built with Domestic Image Processing and Pattern Recognition Algorithms	MINISTRY of CULTURE and TOURISM	20.08.2021	Indefinite

## 9. OTHER IMPORTANT INFORMATION

### 9.1 Related Party Transactions

Our company has no related party transactions.

### 9.2 Profit Distribution Policy

According to the 13th article of the company's articles of association, the determination and distribution of profit is made as follows;

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

- a) Until it reaches 20% of the capital, 5% is set aside as legal reserves.
- b) From the remainder, the first dividend is allocated in accordance with the Turkish Commercial Code and capital market legislation, within the framework of the Company's profit distribution policy, over the amount to be found by adding the donation amount made during the year, if any.

c) After the above reductions are made, the general assembly has the right to decide on the distribution of the dividend to the members of the board of directors, Company employees and persons other than the shareholders.

d) After deducting the amounts specified in subparagraphs (a), (b) and (c) from the net profit for the period, the general assembly is authorized to distribute the remaining part as a second dividend partially or completely, or to allocate it as a reserve fund that it has voluntarily set aside in accordance with Article 521 of the Turkish Commercial Code.

e) 10% of the amount found after deducting the dividend at the rate of 5% of the capital from the portion decided to be distributed to the shareholders and other persons participating in the profit is added to the general legal reserve in accordance with the 2nd paragraph of Article 519 of the Turkish Commercial Code.

### 9.3 Information on Legislative Changes That Will Significantly Affect Company Activities

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

#### Capital Risk Management

In capital management, the Company strives to ensure the continuity of its operations while at the same time aiming to increase profit by using the balance of debt and shareholder's equity in the most efficient manner.

The company monitors capital using the debt/total capital ratio. This ratio is calculated by dividing net debt by total capital. Net debt is calculated by subtracting total debt (including trade and other payables as shown on the balance sheet) from cash and cash equivalents. Total capital is calculated as equity plus net debt as shown in the balance sheet.

#### Credit Risk

Credit risk is the risk that the one of the parties will suffer a financial loss as a result of the failure of other party to fulfill its obligations regarding a financial instrument. The Company tries to manage its credit risk by limiting the deviated transactions with certain parties and by constantly evaluating the reliability of the parties with which it has relations.

#### Liquidity Risk

Liquidity risk is the possibility of failing to meet the net funding obligations. The occurrence of events that result in a decrease in fund resources, such as deterioration in the markets or a decrease in the credit score, causes the formation of liquidity risk. The Company's management manages liquidity risk by allocating funding resources and keeping enough cash and cash equivalents on hand to meet current and probable liabilities.

#### Interest Rate Risk

Interest rate risk arises from the possibility that changes in interest rates may affect the financial statements. The Company is exposed to interest rate risk due to the timing differences of assets and liabilities that will come to maturity in a certain period. Hali hazırda Şirket genelinde tanımlanmış bir risk yönetimi modeli ve aktif uygulaması bulunmamaktadır. In addition to not having a defined risk management model, the management of the company manages the risks through its own decisions and practices.

#### **9.4 Information About Legislative Changes That Will Significantly Affect Company Activities**

There are no legislative changes that will significantly affect the activities of our Company within the period of 01.01.2022-31.03.2022.

#### **9.5 Important Events Occurring in the Reporting Period and to be Reported**

Investor Relations Manager Murat Kedicici (CMB Level 3 License No: 909814) was appointed as a member of the Corporate Governance Committee.

#### **9.6 Events Occurring from the Reporting Period to the Release Date**

While our tax office was Gölbaşı Tax Office, it has been determined as Ankara Tax Office by the public authority.

#### **9.7 Explanations Regarding the Private Audit and Public Audit Conducted During the Fiscal Period**

There are no special audits and public audits conducted between 01.01.2022-31.03.2022 within the accounting period.

#### **9.8 Information on Lawsuits Filed Against the Company, Which May Affect the Company's Financial Status and Activities, and Their Possible Consequences**

There are no lawsuits and possible results that are filed on behalf of our company that may affect the financial status and activities of the company.

#### **9.9 Administrative or Judicial Sanctions Imposed on the Company and the Members of the Governing Body Due to Practices Contrary to the Provisions of the Legislation**

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

#### **9.10 If an Extraordinary General Assembly Meeting was held within the Period, Information on the Assembly Including the Date of the Meeting, the Decisions Taken at the Meeting and the Related Transactions**

No Extraordinary General Assembly Meeting was held in the period of 01.01.2022-31.03.2022.

### 9.11 Expenditures Made within the Framework of Donations and Grants Made by the Company During the Period and Social Responsibility Projects

Within the period of 01.01.2022-31.03.2022, there is an expenditure of 157.547,00-TL made by our company within the framework of donations, aids and Social Responsibility Projects.

### 9.12 Own Shares Acquired by the Company

The corporation does not have any acquired shares.

### 9.13 Conflicts of Interest between the Company and the Institutions It Receives Services on Issues such as Investment Consultancy and Rating

The company does not have any services received from investment consultancy and rating agencies.

## 10. FINANCIAL STATUS STATEMENT AS OF MARCH 31, 2022 -BALANCE SHEET

MIA TEKNOLOJİ ANONİM ŞİRKETİ financial status statement as of 31 December 2021 amounts expressed in Turkish Lira (TL) unless otherwise stated.

	31.03.2022	31.12.2021
<b>ASSETS</b>		
<b>Current Assets</b>		
Cash and Cash Equivalents	50.283.230	68.406.511
Financial Investments	19.194.093	-
Trade Receivables	58.332.442	55.339.725
Other Receivables	601.111	583.599
Stocks	3.387.650	5.120.226
Prepaid Expenses	8.124.494	1.301.328
Current Tax Assets	109.996	72.288
Other Current Assets	3.116.854	2.895.615
<b>Total Current Assets</b>	<b>143.149.870</b>	<b>133.719.292</b>
<b>Fixed Assets</b>		
Investment Properties	4.325.000	4.325.000
Tangible Assets	1.083.127	963.307

Right of Use Assets	880.334	995.228
Intangible Assets	181.026.101	159.061.224
- Capitalized Development Costs	174.551.730	153.252.814
- Other Intangible assets	6.474.371	5.808.410
Prepaid Expenses	13.873	19.067
Deferred Tax Asset	2.695.294	1.396.735
Other Fixed Assets	1.290.057	194.663
<b>Total Fixed Assets</b>	<b>191.313.786</b>	<b>166.955.224</b>
<b>Total Assets</b>	<b>334,463.656</b>	<b>300,674.516</b>

	31.03.2022	31.12.2021
<b>RESOURCES</b>		
<b>Short-term Obligations</b>		
Short-term Borrowings	10.492.910	279.457
- Bank Loans	10.099.000	-
- Leasing Debts	393.910	279.457
Short Term Portions of Long Term Borrowings	4.378.003	3.947.800
Trade Payables	30.016.952	35.171.882
Loans Within the Scope of Employee Benefits	1.129.617	817.884
Deferred Incomes	10.803.587	8.636.119
Period Profit Tax Liability	159.018	-
Short-Term Provisions	649.239	518.083
- Provisions for Employee Benefits	378.929	247.773
- Other Short-Term Provisions	270.310	270.310
Other Short-Term Liabilities	360.312	723.581
<b>Total Short-Term Liabilities</b>	<b>57,989,638</b>	<b>50.094.806</b>

### Long-Term Liabilities

Long Term Borrowings	2.492.669	2.547.660
- Bank Loans	1.696.581	1.506.393
- Leasing Debts	796.088	1.041.267
Long-term Provisions	2.521.684	2.537.469
- Provisions for Employee Benefits	2.521.684	2.537.469
<b>Total Long-Term Liabilities</b>	<b>5.014.353</b>	<b>5.085.129</b>

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<b>TOTAL LIABILITIES</b>	<b>63.003.991</b>	<b>55.179.935</b>
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### Equities

Paid-in Capital	38.000.000	38.000.000
Premiums on Shares (Allowances)	116.667.204	116.667.204
Other Accumulated Comprehensive Income or Expenses Not to be Reclassified to Profit or Loss	-882.323	-1.193.437
-Defined benefit plans remeasurement Earnings / (Losses)	-882.323	-1.193.437
Reserves on Retained Earnings	1.832.335	1.832.335
Previous Years Profits / Losses	90.188.479	36.032.698
Net Profit / Loss For the Period	25.653.970	54.155.781

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<b>Total Equity</b>	<b>271.459.665</b>	<b>245.494.581</b>
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<b>Total Resources and Equity</b>	<b>334,463.656</b>	<b>300,674.516</b>
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## 11. COMPREHENSIVE INCOME STATEMENT OF THE STATEMENT OF FINANCIAL POSITION AS OF MARCH 31, 2022

MIA TEKNOLOJİ ANONİM ŞİRKETİ financial status statement as of 31 December 2021 amounts expressed in Turkish Lira (TL) unless otherwise stated.

	<b>01.01.2022</b>	<b>01.01.2021</b>
	<b>31.03.2022</b>	<b>31.03.2021</b>
<b>Comprehensive Income Statement</b>		
Revenue	61.421.457	21.573.168
Cost of Sales (-)	-36.094.026	-10.345.296
<b>Gross Profit (Loss)</b>	<b>25.327.431</b>	<b>11.227.872</b>
General Management Expenses (-)	-3.186.347	-1.331.596
Other Real Operating Income	157.214	289.335
<b>Real Operating Profit (Loss)</b>	<b>22.298.298</b>	<b>10.185.611</b>
Income From Investing Activities	-	499.980
<b>Operating Profit (Loss) Before Financing Expenses</b>	<b>22.298.298</b>	<b>10.685.591</b>
Financing Income	10.265.106	2.418.336
Financing Expenses (-)	-8.161.288	-3.027.876
<b>Continuing Operations Profit (Loss) Before Tax</b>	<b>24.402.116</b>	<b>10.076.051</b>
<b>Tax Income (Expense) of Continuing Operations</b>	<b>1.251.854</b>	<b>211.382</b>
Tax Expense of the Period	-159.018	-40.665
Deferred Tax Income (Expense)	1.410.872	252.047
<b>Net Profit (Loss) for the Period</b>	<b>25.653.970</b>	<b>10.287.433</b>

Earnings / Losses per Share	<b>0.6751</b>	<b>0.2707</b>
	<b>01.01.2022</b>	<b>01.01.2021</b>
<b>Other Comprehensive Income Statement</b>	<b>31.03.2022</b>	<b>31.03.2021</b>
<b>Net Profit (Loss) for the Period</b>	<b>25.653.970</b>	<b>10.287.433</b>
<b>Not to be Reclassified in Profit or Loss</b>	<b>311.114</b>	<b>369.152</b>
Defined Benefit Plans Re-measurement Earnings/Losses	423.427	462.550
Tax Income/Expense Related to Other Comprehensive Income Items Not to be Reclassified in Profit or Loss	-112.313	-93.398
<b>Other Comprehensive Income (After Tax)</b>	<b>311.114</b>	<b>369.152</b>
<b>Total Comprehensive Income</b>	<b>25.965.084</b>	<b>10.656.585</b>

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

Yours sincerely  
27.04.2022

**Ali Gökhan BELTEKİN**  
Chairman of the Board

**Özgür ÇİVİ**  
Independent Board Member

**İhsan ÜNAL** Vice  
President of the Board of Directors

**Ali YAZICI**  
Independent Board Member

**Mehmet Cengiz BAĞMANCI**  
Board Member