PERIOD
ANNUAL REPORT

01.01.2022 - 30.09.2022
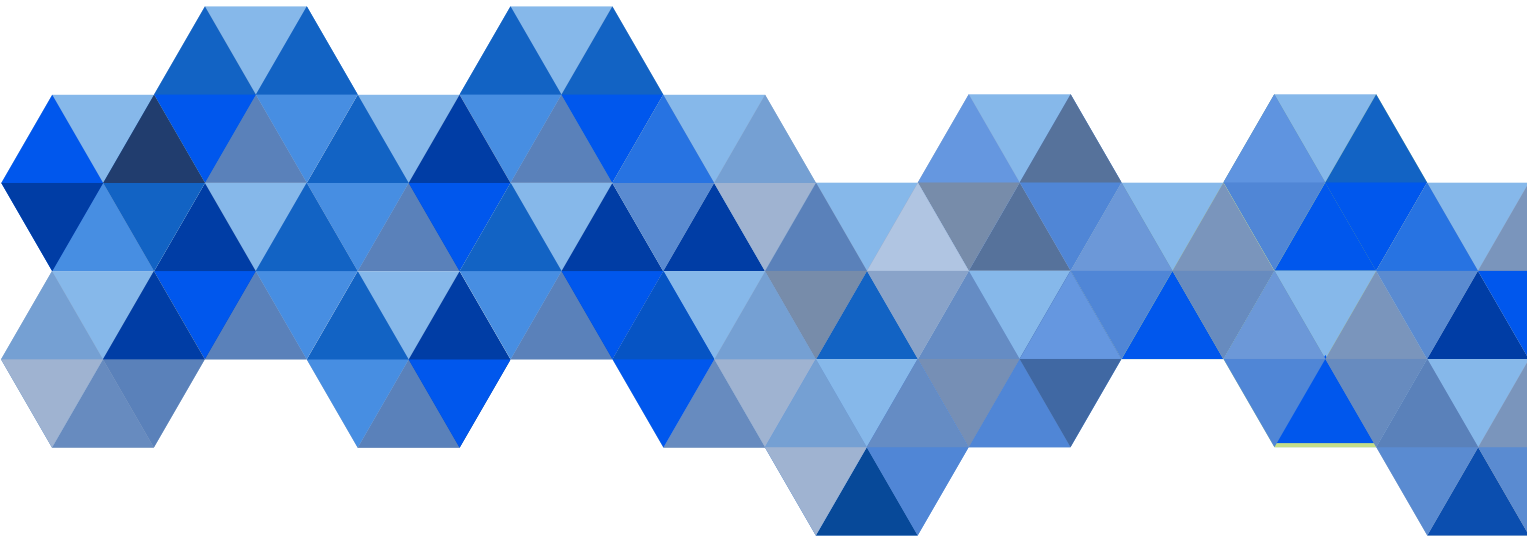
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1.   MESSAGE FROM THE CHARPERSON OF THE BOARD

Dear Employees, Esteemed Business Partners and Stakeholders,

As MİA Teknoloji A.Ş., we care about following trends and digital transformation.

Considering the experience we have gained based on the previous years, we have achieved and will continue to achieve important works both nationwide and abroad thanks to the management processes and business development activities carried out in various fields. In this direction, we are progressing by creating our own added value and adding new ones to the works we have completed every other day.

Together with our experienced team, MİA Technology, which takes action by adopting the understanding of going further and further day by day, is making great progress in creating a sustainable technology approach. 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 carried out, we aim to make various innovations and developments in our business fields. It will be our main goal to proceed with stronger and confident steps 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 MİA Technology. With the innovative content we will realize for the future, we will approach the events with a different perspective and continue our progress by increasing our pace.

Best regards,

Ali Gökhan BELTEKİN
Chairman of the Board

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2. GENERAL INFORMATION

2.1 Reporting Period

This report relates to the period of 01.01.2022-30.09.2022.

2.2 Information Related to the Partnership

MİA TEKNOLOJİ A.Ş.	
Year of Establishment	2006-ANKARA
Registered Capital Limit	150.000.000 TL
Paid in/Issued Capital	38.000.000 TL
Tax Office and Taxpayer ID	Ankara Corporate Tax Office / 621 061 1649
Trade Register Number	225945
Head 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	https://www.miateknoloji.com
Subject of Activity	Computer programming activities (coding customer specific software and software such as system, databases, network, web page etc.)
Trading Market	BIST Stars

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2.3 Board of Directors, Company Executives 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.

First and Last name	POSITION	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 of Directors	21.10.2020 – 21.10.2023
İhsan ÜNAL	Member of the Board of Directors	21.10.2020 – 21.10.2023
Özgür ÇİVİ	Independent Member of the Board	11.08.2021 – 21.10.2023
Ali YAZICI	Independent Member of the Board	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 Shareholder)

Born in Elazığ on July 25, 1982. Completed secondary and high school education in Elazığ and higher education in Atılım University, Computer Engineering Department. After completing university education, he started working as a Software Specialist at Yüce Bilgi Sistemleri Company in 2004. In 2006, he founded his own company, MİA Teknoloji A.Ş., together with his undergraduate friends.

MIA Technology, which has been operating in the IT sector for 15 years, develops products for public spaces where transition security is critical with its unique innovation and R&D activities to meet the needs of its customers with its increasing experience.

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 line 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 for Cleanmask-Tech, MİA-YTA Thermal Camera and Mask Detection, MİA-Hygiene Tunnel.

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He 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 activities, business development activities on an international scale and the works carried out for Germany, America, Italy, England, France and Russia, an office has been opened in Qatar and Teknopark, forming the first international branch of MİA Technology.

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 - Board Member (Founder and Shareholder)

Born on January 8, 1981 in Şanlıurfa. Completed secondary and high school education in Şanlıurfa and higher education in Atılım University, Computer Engineering Department. After completing university education, he started to work as a Software Specialist on the Social Security Board in 2004. In 2006, he founded his own company, MİA Teknoloji A.Ş., with his undergraduate friends.

As the first example of the studies carried out with the aim of "providing solutions for the requests and needs that differ with our domestic and national solutions, wide product range and original products", which the managers have adopted a mission since the day it was founded, it started to operate with the "Dormitory Management Software" for the Turkey-wide dormitories of the Credit Dormitories Institution. He worked as a Coordinator in the project where 20 Zones, 494 dormitory campuses, 2720 Clients, 4800 optical readers and 4 million transactions were carried out in order to ensure entry and exit tracking to KYK dormitories and to use rights.

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

In MİA Technology, which is one of the leading companies in Turkey and the International Information Sector, the management of all administrative processes in the process of producing national and international certified technologies with the vision of competing with the players of foreign market and producing innovative solutions with high added value with the Industry-Academy Cooperation model ensures the successful execution of the projects by ensuring the management of quality standards and budget planning from the tender processes of the projects.

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 - Board Member (Founder and Shareholder)

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

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In line with the 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.

Together with the software team, he worked as the Project Manager in the process of completing the integration works in the KYK E-Yurt Biometric Control Project, Ziraatbank Biometric Safe Room Project, ÖSYM Smart Campus Project, BEOGS E-Gate Project, Pizzy Project, Face-Id Facial Recognition Project, Hospital Information Management Systems-HBYS 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 - Board Member

Born in Ankara on 20.06.1981, Özgür ÇİVİ is married and has one child. Graduated from Atılım University, Department of Business Administration in 2004, completed master's degree in Health Management at Hacettepe University.

Starting his career in 2006 as an assistant auditor at MAZARS Denge Ankara Denetim ve Yeminli Mali Müşavirlik A.Ş., he worked in the Accounting Unit of Koçak Group of Companies in 2006-2007.

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

In 2018, in the Gaziantep Integrated Health Campus project, which was carried out in partnership with Kayı- Webuild SpA J.V., assuming the position of General Manager in charge of Medical Affairs, ÇİVİ still holds this title. He undertakes responsibilities such as developing strategies in order to achieve the short and long term objectives in the project, managing product purchases in line with his experiences regarding medical product qualifications and managing all processes within the scope of medical operation.

Özgür ÇİVİ started to act as Independent Board Member at MİA Teknoloji A.Ş. in 2021.

ALİ YAZICI - Board Member

Born in Ankara on 14.05.1950. Ali Yazıcı, graduated from the Department of Numerical Analysis and Applied Mathematics of Middle East Technical University in 1972, completed his master's degree in Mathematics at METU in 1974. Continuing his education in Canada, Yazıcı completed his PhD in Computer Science at the University of Waterloo.

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

Ali Yazıcı, who served as a faculty member at METU between 1979-1983, then became a faculty member at Yarmouk University in Jordan and Sultan Qaboos University in Oman. In 1988, he received the title of associate professor at METU and returned as a faculty member at the Department of Computer Engineering. Having been a professor since 1994, Yazıcı worked at METU, Atılım and TOBB universities, respectively.

Today, he is a faculty member in Atılım University Software Engineering Department. Ali Yazıcı has worked in numerous projects for more than 45 years at the academy and has been merited with several awards such as the WALL awarded by IBM and the first prize with the "Lifelong Learning and Non-Formal Education" project in the Education and Research Association.

Ali YAZICI began serving as Independent Board Member at MİA Teknoloji A.Ş. in 2021.

2.3.2 Members of the Board of Directors, Authority and Limitation of Senior Executives

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

2.3.3 Board Committees

For the purpose of complying with the "Corporate Governance Communiqué" issued by the Capital Markets Board, the committees were re-established with the Board Decision dated 26.08.2021 and numbered 2021/08.

Audit Committee

The Audit Committee supervises the accounting system of the company, disclosure of financial information to the public, independent audit and the operation and effectiveness of the company's internal control and internal audit system. The selection of the independent audit institution, the initiation of the independent audit process by preparing independent audit contracts and the work of the independent audit company at every stage are carried out under the supervision of the committee responsible for the audit. The committee responsible for the audit convenes at least four times a year, at least once every three months, and the meeting results are recorded in the minutes and submitted to the Board of Directors. Decisions taken in committee meetings are signed and archived by the members of the committee after they are made in writing. The Audit Committee informs the Board of Directors in writing of the findings and suggestions it has reached in relation to its duties and responsibilities.

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NAME SURNAME	POSITION	INDEPENDENCE STATUS
Özgür ÇİVİ	Chair of Audit Committee	Independent Member
Ali YAZICI	Member	Independent Member

Early Risk Detection Committee

The purpose of the Committee is to make suggestions and recommendations to the Board of Directors on the identification, definition, prioritization, monitoring and review of strategic, financial, and operational risks and opportunities that may affect the activities of the Company; management of these risks and opportunities that may be exposed in parallel with the company risk profile and taking into account in reporting decision mechanisms. Committee meetings are held at least 3 times a year and decisions are taken unanimously by the attendees. Decisions taken in committee meetings are signed and archived by the members of the committee after they are made in writing.

NAME SURNAME	POSITION	INDEPENDENCE STATUS
Özgür ÇİVİ	Chair of Early Risk Detection Committee	Independent Member
Ali Gökhan BELTEKİN	Member	Non-Independent Member
Mehmet Cengiz BAĞMANCI	Member	Non-Independent Member

Corporate Management Committee

The corporate governance committee determines whether the corporate governance principles are applied in the company, the justification if not applied, and the conflicts of interest that occur due to not fully complying with these principles, and makes recommendations to the board of directors to improve corporate governance practices and monitors the work of the investor relations department. The Committee also assumes the duties of the Nomination Committee and the Remuneration Committee, which are included in the regulations of the Capital Markets Board. In principle, the committee convenes three times a year and, if deemed necessary, without waiting for this period, and takes decisions unanimously. The decisions taken in the meetings are made in writing, signed and archived by the members of the Committee.

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NAME SURNAME	POSITION	INDEPENDENCE STATUS
Özgür ÇİVİ	Chair of Corporate Management Committee	Independent Member
Ali YAZICI	Member	Independent Member
Mehmet Cengiz BAĞMANCI	Member	Non-Independent Member
İlker ATİKMEN	Member	Investor Relations Manager

Internal Information Access List

NAME SURNAME	POSITION
Ali Gökhan BELTEKİN	CHAIRMAN OF THE BOARD OF DIRECTORS
İhsan ÜNAL	DEPUTY CHAIRPERSON OF BOARD OF DIRECTORS
Mehmet Cengiz BAĞMANCI	MEMBER OF THE BOARD OF DIRECTORS
Ali YAZICI	INDEPENDENT BOARD MEMBER
Özgür ÇİVİ	INDEPENDENT BOARD MEMBER
Arzu ŞAHDALAMAN GÜL	FINANCIAL ADVISOR
Ali Osman EFLATUN	CAP AUDITOR
Elif ÖZDEMİR	TENDER AND CONTRACT SPECIALIST

2.3.4 Number of Meetings of the Board of Directors during the Term and Participation of Members

Our Company Board of Directors held 30 (thirty) meetings within the period of 01.01.2022-30.09.2022.

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

2.3.5 Assignments Executed Outside the Company by the Members and Directors of the Board of Directors

The members of the board and executives of the company have no assignments outside the company.

2.4. Capital of the Company, Shareholding Structure and Privileged Shares

2.4.1 Capital

The registered capital limit of our company is 150.000.000 TL and its issued capital is 38.000.000 TL.

2.4.2 Shareholding Structure

Shareholders	Share Rate (%)
Ali Gökhan BELTEKİN	22.8157
Mehmet Cengiz BAĞMANCI	22,1447
İhsan ÜNAL	22,1447
OTHER	32,8949
Total	**100**

2.4.3 Privileged Shares

A) Privileged Share Amount: 5.000.000,00-TL

B) Statement on 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 Share Ratios

The Company has no direct or indirect subsidiaries and 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 01.01.2022-30.09.2022 is 2.610.392,21-TL.

4. COMPANY ACTIVITIES AND ORGANIZATIONAL STRUCTURE

4.1 General Activities of the Company

In the article 3 titled "Purpose and Subject" of the Company's articles of association, 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. In addition, 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 Pizzy Corporate- 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 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 has been serving public and private organizations in many areas.

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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;

Facial Recognition and Matching System Created with Native Image Processing and Pattern Recognition Algorithms

Face detection and matching software, which are the most important pillars of face recognition systems, will be developed with the project. The output of the project will be facial recognition and facial recognition software for an innovative and completely local facial recognition system. Both national achievements and commercialization successes of the project will be achieved, which will serve to many different sectors such as security, personnel follow-up, statistics generation, decision support, and identification.

In addition, the system aims;

- To produce the software necessary to develop a local 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

When internet access and camera are available, the system will perform face recognition at certain intervals with the conference 1-1 method on the platform. In the absence thereof, access to the software will be available by fingerprint or face recognition according to the transaction device used (mobile, tablet, pc). In addition, with today's technology, an innovative and safe solution will be offered on issues such as distance education, remote diagnosis, online exam, in-house interviews, witness listening, and e-judgment.

With the project we plan to realize, it is aimed to reduce the cost for the following areas of use, to ensure that the right person is processed, and to offer a rapid and easy solution.

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

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

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MİA Vehicle Identification Solutions

It is the development of a bundle 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 make-model and color recognition, under-vehicle imaging, passenger biometric face recognition on both a fixed campus and a fluid path and that is matched with the system integration authorized units. The license plate identification system is a system in which the white or black lists created by the vehicles to be added individually or collectively and the license plates coming from the cameras are checked, all transitions are recorded, transaction inquiry can be made on the basis of license plate retrospectively and the results can be reported, vehicle registration inquiry can be made with the license plate and the list and other information of the vehicle can be changed.

Vehicle make-model and color recognition system is a system for detecting make, model and color information through the images received from cameras.

Under-vehicle imaging systems are systems based on the imaging of the under-vehicle with the camera at a passage point and the comparison of this image with the source image (former or known).

Biometric facial recognition, on the other hand, shall be performed by obtaining the facial information of the user in the driver's location and pre-processing, facial identification and identification shall be performed.

Mobile Multiple Biometric Recording Unit Development

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

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 developing unit, all this biometric and encrypted data will operate in 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, utilization area and will be able to work nationwide and even worldwide thanks to cloud architecture.

Cleanmask-Tech Controlled Mask Dispenser and Hand Sterilization Point

The device rapidly performs the procedures of mask delivery, fever measurement and hands disinfection with steam without contact with card reader, barcode reader, coin etc. methods. This project, which will be produced with domestic and national resources;

- Will be able to provide services directly to the person without the need for an intermediary agency or organization.

- Upon request, will be able to work integrated with other applications (e-government, e-municipality, etc.) and

- It will be self-served, namely no need for an assistant staff.

- It will allow you to directly get masks without any intermediary contact thanks to the voice command.

- It also has integrated operation with PACS and access control system.

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Areas of Use;

- Shopping Malls
- Educational institutions
- Public and Private Sector
- Airports
- Public Spaces etc.

Every patient who has a registration or appointment in HBYS can benefit from the services provided by CleanMask-Tech through the code given by the system.

The personnel registered in HBYS can also benefit from the card information.

Health data obtained from the CleanMask-Tech system (body temperature measurement, mask acquisition, hand disinfection) can be automatically transferred to the HBYS examination system.

MİA 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.

Depth Analysis and Obstacle Detection with Image Processing for Aircraft

In the project, unmanned aerial vehicles will be provided with obstacle detection feature based on automation and learning. With the platform we want to develop, obstacle detection will be performed with automation and a decision support mechanism will be provided. In addition the innovative aspects are as follows; remote mapping and virtualization with the time of flight camera, an automation that is able to learn and obtaining geographical data for special scenarios. It also provides some innovative outputs in terms of security of critical areas, border security, flight sites and object detection. Especially for GIS systems, a new method will be introduced in special and challenging fields. Another innovative aspect is the elimination of a missing system for defense industry and national aviation.

Traffic Control System Project

Within the scope of the project, a traffic control system software consisting of web-based application, decision support module and server application will be developed. TCS project is an integrated system that includes vehicle counting, license plate recognition, instantaneous speed control, red light violation detection, average speed control, safety lane violation, smart intersection system and parking systems. The software to be developed will process the data (camera, radar, infrared sensors) received from different sensors and will be able to create reports in line with the data obtained and share them in the application center. In this context, reports may have content such as date, time, scene, license plate information, number of vehicles, traffic density, traffic density direction, image and/or video.

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Multi Biometric Person Recognition System with Remote Temperature Measurement

It is a system that can be integrated with remote contactless temperature measurement and mask control transition systems. It ensures that the personnel whose attendance checks are carried out in the public and private sectors are also subjected to daily temperature measurements and mask control and recorded and reported. If the detected body temperature is above a certain level, the system can give a sound alarm and warning and send an e-mail or SMS to the desired points. The innovative features of the system we have developed:

• Personnel Attendance Tracking, Face Recognition, Temperature Measurement, Mask Tracking, Alarm and Warning Mechanisms and Passage Control are the only domestic products offered together.

• Tracking 8-10 people at 30 FPS speed at the same time (up to 6 people in competing products)

• Costs 60% less compared to its overseas counterparts.

Through the system, in accordance with the COVID-19 Regulation, fever measurements are made and recorded at the entrance of the employees to the hospital.

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

Body temperature and mask control of the patient and personnel who want to enter the hospital are immediately detected when the person approaches the relevant limit. If the person's body temperature is within the accepted value range, the person's passage through the system is ensured. If the body temperature of the person is above the accepted values, a warning is made on behalf of the relevant person through HBYS and the position and persons to be informed are informed of the situation.

MIASOFT: Development of Multi-model Biometric Fusion Based Authentication and Identification System Software

Authentication (1: 1) and identification (1:N) functions will be provided within the scope of fusion to be realized in line with multimodal biometric (Face, Fingerprint, Finger Vein Print) data with the project. The fusion to be performed in line with the data obtained from different biometrics will be performed at the attribute level (Feature Level), at the matching value level (Score Level) and at the decision stage level (Decision Level). A more effective biometric system will be revealed in line with the values of Accuracy, False Acceptance Rate (FAR) and False Rejection Rate (FRR) regarding the authentication and identification processes with biometric fusion.

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

The same infrastructure is used in HBYS 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

Great progress will be achieved on the detection and estimation-matching times of the machines through deep learning and big data. Thanks to the database created, a large amount of data will be scanned very quickly and the requested operation can be performed faster and easier. 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, sector needs can be turned into scenarios faster and solutions or innovations can be developed.

With this infrastructure, interaction controls such as drug-drug, drug-symptom, drug-diagnosis, drug-laboratory result, drug-allergy, drug-nutrient are provided in Patient Clinical Decision Support Systems.

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Apart from this, Smart Stock Analysis Solutions in Demand Management Systems are offered through this infrastructure (deep learning).

Integrated Modern Health Informatics Layers Project

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

With the Integrated Modern Health Information Layers Project, it is aimed to develop and implement the hospital invoice and stock management system for the accurate processing of examinations, interventions, drugs and consumables into the system in order to ensure the lossless operation of the Hospital Information Management System (HIMS) and to increase income, as well as to ensure the correct operation of the statistics received by the lecturers for scientific research projects through HIMS.

Development of a Reliable System for Rapid and Secure Biometric Authentication Project

Our primary goal within the scope of this project is to introduce a new approach to the authentication methods that companies carry out during the recruitment process by integrating Optical Character Recognition (OCT) and Biometric Identification (BKT) technologies.

The Development of a Reliable System for Rapid and Secure Biometric Authentication project covers sectors that include all business profiles. Biometrics and optical character recognition activities will be used together in authentication. Recruitment and authentication activities will be based on automation, affordable and high accuracy.

It will provide a different solution compared to the solutions currently used.

This infrastructure is used to prevent false identity declaration in the Authentication process, which is actively used in the HBYS Patient Registration System.

Personalized Medical Cabinet Project

With the development of software and hardware within the scope of the project, it will develop a personalized medical cabinet that can be used in all health institutions, can work fully integrated with existing hospital information management systems, and has a decision support mechanism with unique parameters. With the realization of the project, this device, which is not currently used in hospitals in Turkey, will contribute to improving patient care processes, accelerating the hospital workflow process, facilitating and recording drug follow-up, and preventing human-induced negativities in the patient care process.

Personalized Medical Cabinet Project is offered to the right patient as an integrated solution to HBYS Clinical Order and Pharmacy Systems with the aim of applying the right drug, the right dose and the right time mentality.

Automated 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 the classical exams organized in SSPC (Student Selection and Placement Center), MoNE and their affiliated institutions and organizations by eliminating the human. The software will be developed with natural language processing and artificial intelligence technologies and will be the first in its field in Turkey.

With the realization of the project, it is planned to benefit from the classical exams that millions of students sit every year in order to reduce the workload in the evaluation process, to reduce the costs caused by the human factor by 40% and to minimize the errors caused by human intervention.

Through the project, it allows the digitalization of the data of the patients that are not in the digital environment by using the infrastructure of this system and its transfer to the HBYS digital archive.

Contactless Kiosk Project

During the pandemic crisis, it is observed that digital infrastructure has a great importance in many areas in terms of public health management. Digital infrastructures need to be strengthened to reduce the effects of today's 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, and provide information without disturbing the environment thanks to the speaker system that provides linear audio transmission.

This project provides solutions to many issues such as identifying the patient through identification, making appointments through sensors that detect voice and hand movements, viewing laboratory results, viewing radiology reports and taking the unit order.

Autonomous Cleaning and Disinfection Robot

Thanks to the project; it will be able to be used in closed and contaminated risk areas, shopping malls, workplaces, campuses, institutions, hospitals, operating rooms, dining halls, etc. in areas where high sterilization is needed. The Sterilization Robot, which will be a fast solution partner in pandemic problems, will play an active role in managing crisis moments and sterilization measures.

The project reports the areas completed by carrying out the disinfection procedures according to the building, floor, room, operating room, unit plans in HBYS. It provides continuity by monitoring the stock level of the materials required to maintain the cleaning and warns the relevant units through HBYS.

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Mia-Tech Project

The Mia-Tech project targets all works that cannot be managed by traditional methods and will also be a solution that will improve the processes of campuses, public institutions, banks, shopping centers, university and city hospitals, prisons, factories and private enterprises, which are managed inefficiently and have a high number of employees / visitors due to the manual processes.

The company will develop solutions that will increase the efficiency and profitability of the institution by combining the needs and requirements with the quality of service in the departments of the institution outside the main fields of activity and aiming to meet all the needs of many institutions end-to-end with the project.

The solution to be developed will be customer-oriented, thus ensuring that all processes that directly affect the benefits of the organization are structured and managed in the best way. MİA Tech will be the decision support mechanism for predicting the situation after the change and determining the risks by being in a structure that will allow the evaluation of the current situation.

By making use of the infrastructure of this project, it provides data to the relevant financial reports by conducting income-expense analysis for all units of the hospital with the Financing System offered through HBYS.

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

The aim of the company with the project is to develop an adaptive image processing system that allows instantaneous, quality control, fast, contactless and remote measurement, object recognition and defect-error detection on the line and to integrate it into the quality control processes in the production line.

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

With the project output product, it is aimed to increase the use of technology in production by enabling enterprises to increase capacity and efficiency in production, to make precise measurements and to bring products close to perfection together with the end consumer.

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MİA HealthCare

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

Augmented Reality Based Mobile Application Development Project for Informative Product Content

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

Augmented Reality also has the potential to be used very efficiently in the field of health. Regarding this issue, the project has a potential that enables pre-modelling of surgeries and simulation of the operation to the surgeon using the Augmented Reality infrastructure and radiology visuals.

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

The V-Rex project 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 pandemic, and provide a solution to increase the number of online visitors by increasing awareness. The V-Rex concept will allow users to log in to the app on different platforms, buy tickets online, or directly enter the museum of their choice. Users will be able to virtually walk around the museum with motion controls, view any item 360°, and read the written information placed next to the item with audio or AR.

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

With the project, a system will be developed that utilizes deep learning methods that will replace standard Computer Vision and image processing techniques that are inadequate in terms of mass behavior analysis in places such as squares and temporary assembly areas where people are crowded.

Since human communities have different dynamics and psychological characteristics, behavior analysis is a challenging solution. 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 sections:

• Human counting / density estimation

• Human tracking

• Behavior understanding or anomaly detection

• Determination of mood

• Abnormal human voice detection

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The system developed in this context will provide information to the security organization on the detection of the number of people in the regions where there is a density of people, the tracking of this person if there are people wanted, emotional state, anomaly and abnormal human voice detection, and possible hazards 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, ensuring cooperation between the on-site technician and the manufacturer. The proposed system includes methods for end-user recording of installation/failure/maintenance, the actions required by the expert to provide instructions in the Augmented Reality application for maintenance, the platform to allow information exchange and communication thereof.

Development of 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 by minimizing occupational accidents and deaths from occupational accidents. Virtual reality and Industrial Job Training applications will be implemented. Virtual reality job training will also enable interactive job training with gamification on new equipment for operators and maintenance personnel.

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

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

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Traffic Control System Project 2

An innovative traffic control system will be developed within the scope of the project. The system content shall include vehicle counting, license plate recognition, instantaneous speed control, red light violation detection, average speed control, safety lane violation, smart intersection system and parking system. Instantaneous speed control and smart intersection systems, which have just started to be used in our country, are completely 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 produce reports depending on the decision support. The reports produced shall be able to be shared in a desired center or in more than one location.

Indoor Mapping Mobile Application Software

The project will minimize the mistakes and effort to be made by assisting people to direct to various positions by allocating manpower, and enable people to reach the positions they want to reach with a more accurate result. The project, which is intended to be developed, will be actively used in many sectors such as hospitals and hotels with high number of rooms and floors.

Depth Analysis for Aircraft-2

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

eSports Reaction and Accuracy Rate Measurement Software

The AIM-TEST project, which is aimed at testing and developing the skills of the players, will be able to easily monitor the development, deficiencies and performances of the players within the teams from a single platform and present this data 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.

Metaverse Based Virtual Event Platform

In the avatar-based virtual activity, the participant will have an avatar representing him/herself, that is, a designed digital visual virtual character, while participating and interacting with the activity. In this way, there will be no need to travel to another country to participate in the event and no significant amount of time and money will be required. In the platform we will develop, the participant will be able to move an avatar in a wide range of digital activities, follow the activity and communicate with other avatars (verbally and by movement). The 3D digital event space will include open and closed spaces for participants and a variety of private spaces. In addition to ordinary participants, speakers, businesses, service and product providers, and organizers have avatars. Live and recorded video broadcasts are used with avatars or real persons that appear on the screen. It

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has digitized features of regular events such as virtual rooms, information desks, PowerPoint presentations on walls, etc.

Software for Passenger and Driver in Public Transportation Vehicles

Public transportation has two components related to the negative experience during the trip: the driver and the passenger.

In the proposed solution, we aim to integrate the 'Artificial Intelligence Based Safe Public Transportation Management System' into public transport vehicles in order 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, detecting anomalies with deep learning and image processing technologies and sending alarms to the headquarters. Thus, headquarters officials will provide intervention in line with the incoming alarms.

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

Development of Secure Payment System with Mobile and Card Payment Solution

Unlike traditional payment methods, electronic payment systems have become widespread today. Digital commerce, which has become widespread today, has been a method that every user demands for a fast and safe payment experience. Mobile and card payment solutions aim to provide a safe environment for users regarding security verification, privacy risk and violation of personal data, which are inadequate in payment transactions.

Counterfeit identity and unauthorized transactions for payments continue to create problems for banks and their users. As a biometric and mobile method, solutions are offered with different authentication technologies.

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

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

Today, medical imaging has been a fundamental component of all medical processes such as 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 sub-specialties.

In modern medicine, the detection of bleeding in the body generally depends 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 usually caused by the excessive proximity and intertwining of the structures in the brain. The diversity of structures in the brain increases the complexity of detection and decomposition algorithms. Traffic accidents and falls are the two most common causes of traumatic brain injuries (TBI), and falls are slightly more common. According to the data of the American Speech-Language-Hearing Association, at least 1.7 million TBH cases are seen every year in the United States, and more than 45% of these cases constitute Epidural Hematoma (EH) cases. In our project, we aim to detect the EH regions from the CT images of the brain by finding the limits of bleeding and measuring its size. In our project, artificial intelligence will be used with image processing techniques during the border detection process. Professional assistance will be obtained from the specialist radiologist to determine the actual limits of bleeding. Then, the proposed algorithms will be tested on the images, the results obtained will be compared with the actual limits, and the error rates will be calculated at the end. At the other stage of our project, the treatment process determined by the doctor will be updated instantly and dynamically based on patient data by using the Process Mining method in the follow-up of the disease. Data will be used with Synthetic Data Production technique to ensure the security of data within the scope of LPPD.

MetaMALL - Metaverse Based Virtual Bazaar Application

Metaverse is a digital reality that combines features of social media, online gaming, augmented reality (AR) -, virtual reality (VR), and cryptocurrencies to enable users to interact virtually. Augmented reality places visual elements, audio, and other sensory inputs in real-world settings to enhance the user experience. In contrast, virtual reality is purely virtual and improves fictional realities. As the metadata store grows, it will create online spaces where user interactions are more multidimensional than the current technology supports. Users in the metadatabase will be able to immerse themselves in an area where digital and physical worlds converge, rather than just displaying digital content. Together with our project, it will be modeled in a meta-verse (Technopark, shopping mall, bazaar, etc.) where companies operating in various fields are together.

The modeled area will be divided into specific parts and allocated to companies. Indoor modeling of the allocated areas can be done according to the demands of the companies.

Air Purifier Oxygen Point with Water Algae Support

Breathing fresh air is of great importance for all living things. Diatoms and other microscopic algae in the oceans produced two-thirds of the world's photosynthetic carbon demand. Trees play a big role in our daily lives to ensure that we breathe healthy. Algae have many different uses in the sector, and one of them is to clean the air we breathe. The replacement of green areas by reinforced concrete areas in the modernizing world negatively affects the availability of sustainable content to all living things. Although there are many contents related to air cleaning, it is important to create a sustainable model by benefiting from the opportunities offered by nature and to contribute to nature in terms of the understanding of creating a renewable environment. Since the main working principle of our project includes a systematic use based on algae, it will not only benefit from nature; it will also have the feature of mixing with nature again as it can be used as fertilizer after the algae are exhausted. Thus, it will be able to offer what it receives 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 contaminated gases into oxygen and biomass through photosynthesis as a result of processing.

Block Chain Based Video Conferencing Application

Video conferencing systems are the communication center of the business world of the 21st century. In particular, video conferencing applications developed to reduce the travel expenses of the business world, to make time management efficient, etc. have become an integral part of social and professional life with the Covid-19 pandemic. However, it has been observed that video conference systems, which are the effective communication source of the business world that has evolved into a digital environment, are sometimes incomplete in terms of security. Security breaches such as interruption of sessions, unauthorized access to corporate data, etc., called 'Online Video Piracy', have increased with the widespread use of these systems. Video conference applications (Zoom, WebEx and Skype), which were introduced to 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 events continue today and efforts to strengthen the security dimension of conference systems are gaining momentum. Although end-to-end encryption and code generation are primary security measures in conference systems, third-party violations still exist.

The areas where our Video Conference Application will take place with the features of security, cost-effective and ease of use provided by our product are as follows;

• Remote education

• Remote diagnosis

• Online exam

• Inter-agency and internal meetings

• Human resources interviews

• E-Justice systems (witness hearing, remote interrogation)

• With the application to be developed on issues such as e-examination (medical diagnosis), it will be possible to bring people together in a different location and to carry out video conference processes without security violations.

Development of Smart Public Transportation Solutions in Urban Mobility

The management of crowded populations in public transport (PT) systems is crucial both to promote sustainable mobility by increasing user comfort and satisfaction in the normal functioning of public transport systems and to cope with emergencies such as pandemic crises or disaster management situations as recently. Our project aims to increase the experience of both user, driver and 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 an open systematic perspective;

• A reference architecture will be created for crowd management using modern information and communication technologies (ICT),

• A crowd-sensitive approach will be developed to monitor and predict crowd incidents and to ensure real-time and adaptive operation control in transportation systems,

• Inform users about the crowded state of the public transport system in real time through electronic screens and/or mobile transportation applications placed inside the vehicles or at bus stops/stations,

• It can also be used in autonomous vehicles that will be a part of public transportation systems in the near future; The Sensing and Actuator Subsystem (SAAS) will be created for passenger density detection.

It is envisaged that the innovative crowd management functions provided by ICT/IoT detection technologies, which have been actively used and disseminated in crowded urban areas for the last few years, can be applied gradually as an add-on to the latest technology transportation system platforms. The most original aspect of our system architecture; thanks to the structure that allows passengers to book and pay for tickets through the mobile application, a structure that increases

the experience for both public transportation system users and officials will be provided with additional time, data supply to create an alternative route and effective crowd management with real-time detection of the density at the stations and stops.

Obtaining Sectoral Productivity Estimation Using Machine Learning Techniques

Rapid advances in artificial intelligence have the potential to directly affect the economy and society at large. These innovations have significant effects on both production and the wide range of products and services in terms of product characteristics, efficiency, employment and competition.

Today, computers that have a power over human intelligence have a very strong structure in terms of examining the data that people cannot follow and the relationships between these data, overlapping these data with incidents and presenting predictions for the future. In these days when innovation and digital transformation have increased its popularity, various sectors use this power to provide various benefits is the focus of our project.

Linear regression, Decision Tree, Random Forest SVM (support vector machine) and Neural Network technique (artificial neural networks) LSTM (repetitive neural networks) methods will be used while implementing our perspective aiming to increase productivity in different sectors during our project. Regardless of the sector, the system to be developed will be able to fulfill its efficiency-oriented function perfectly with the data presented by different sectors.

Deep Learning Based Boundary Detection Project

Boundary detection is an important problem in computer vision. The edge that finds the boundaries between the light and dark pixels in an image is different from the detection. Boundary detection detects semantic boundaries between what people would consider different objects or regions of the image. For example, a zebra has many inner edges between black and white lines, but people don't see these edges as part of the zebra's boundary. A complete solution includes high-level semantic information about the scene in the image that computers do not yet have, which focuses on learning an approximate limit detection algorithm from the training data.

The project aims to ensure that the area to be examined/analyzed is determined with high accuracy by determining the boundary over the images. The project aims to accelerate the business 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 product:

• Boundary detection of the cultivated area or land by the companies/institutions operating in the field of agriculture,

• Boundary detection of the pathology in the image by the companies/institutions operating in the field of health,

• Detection of defective region in the product in the production line by companies/institutions operating in the industry,

• Determining the rise and fall of water by image processing in dams or rivers and establishing an early warning system by detecting the possibility of flooding.

The operation of the model to be developed;

1. With the growing contour analysis based on the removal of morphological properties, the boundaries of the cultivated areas will be tried to be determined.

2. Rough limitation of the areas will be ensured by the contour analysis method.

3. The results obtained from the contour analysis with the Convolutional neural networks (CNN) that we will develop will be more precise.

Development of Roof Mobile Application for Shared Systems within the Scope of Mobility

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

Shared mobility systems, which take their place in developing technology as a sustainable, cost-effective and innovative urban transportation option that covers the first and last kilometer journeys and aims to provide short-distance travel options, cover mini vehicles such as bicycles, skateboards and electric scooters with speeds not exceeding 45 km per hour and help to alleviate urban traffic jams. According to the Electric Scooter Regulation, the speed limit is determined as 25 km/h.

The area of mobility (MaaS-Mobility as a Service), which is the creation of a single mobility service that can be reached by integrating different types of transportation services, is quite wide. It serves not only to transportation. At least four perspectives are clear: personal use, public transportation, shared mobility services, and software for commercial uses. The MaaS system, interacts with many fields, especially information-software technologies, including transportation, communication, public, law and finance.

As a mobile device, MaaS provides the opportunity to manage the entire system from a single source by using a smartphone. The mobile phone constitutes the initial stage of MaaS. Featuring an interface that includes location-based service-connected tools, and being able to be anywhere with multiple technologies such as wireless broadband, smartphones, smart tablets, MaaS makes it easy for people to plan, book, and pay for a trip. Project output will be an application covering all public transportation lines and mobility systems within the scope of product MaaS. With this application, when the passenger wants to go from point A to point B, he/she will be able to access information such as which elements of transportation he/she can access from where, where he/she can find each element, how long he/she will use the elements, when he/she will reach the point he/she wants to reach from a single center. The application to be developed will provide access to

all transportation infrastructures such as buses, taxis, rail systems, e-scooters, e-bikes, car rental platforms.

MaaS projects are generally located in developed countries in Europe, North America and Asia. There is a high concentration of projects in Europe, especially Germany leading more than one MaaS project. With the project, we aim to prevent CO_2 gas emissions by ensuring the dissemination of MaaS systems in our country in the first place and creating environmental protection awareness in people.

Autonomous Flight Capability Development and Management System

Similar to self-driving vehicles, autonomous flight is characterized by aircraft equipped with technology that can travel independently in its own direction. This term covers any aircraft that does not need people in its controls, from small unmanned aerial vehicles to passenger jets. The existence of physically relevant vehicles is an undeniable fact and has a great importance and place in our lives. Modern aircraft have a variety of features to fly without a continuous pilot in the controls. In addition, many aircraft spend most of their flight time flying on their own in the air. However, there is a big difference between this and autonomous flight. Modern aircraft follow a specific flight plan placed by the pilot in the Flight Management System, thus performing a flight specific to the set configurations, adhering to the respective 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 react by thinking on its own 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.

Specific to the project, this system includes the development of autonomous flight integration to plan and regulate flight paths, as well as to enable the drone to position itself and return to the starting point when there is no GPS signal. This system, which will be developed, will make a great contribution to airway traffic; by gaining the reaction capabilities of people with the deep learning method, it will provide the quality of making the most accurate moves that will reach the most accurate results at the points where human competence will be slow or inadequate.

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4.3 Organizational Chart

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Chairperson of the Board
│
├── Board Member
│   ├── Health Informatics Technologies
│   ├── Technology Development
│   ├── Immersive Technologies
│   ├── Information Security and Communication Technologies
│   └── Electro Mobility
│
├── Executive Committee Member
│   ├── R&D and Incentives
│   ├── International Business Development and Sales
│   ├── Domestic Business Development and Sales
│   │       ├── Corporate Communication and Brand Management
│   ├── Management of Tenders and Contracts
│   │       ├── Projecting and Purchase
│   └── International Representations
│           └── Planning and Strategy
│
└── Board Member
    ├── Human Resources
    ├── Quality and Facility Security
    ├── Stock Exchange and Investor Relations
    ├── Financial Affairs and Supply
    └── Administrative Affairs
```

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5. OPERATING MARKETS/SECTORS

According to Deloitte's report [1]on the future of the software ecosystem in Turkey dated January 2021 1 , the global software sector, which reached $565 billion on a global scale 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 in 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 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 a critical sector in itself, it has its main effect on other digital products and services that are affected by it. The size of other sectors such as games, digital transformation, and Gig Economy, which are affected by the software sector, is almost 4 times larger than the software sector and the average growth rate is approximately 3 times higher than the software sector. This makes digital industries a dynamic sector with a size of nearly 2.5 trillion dollars today.

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

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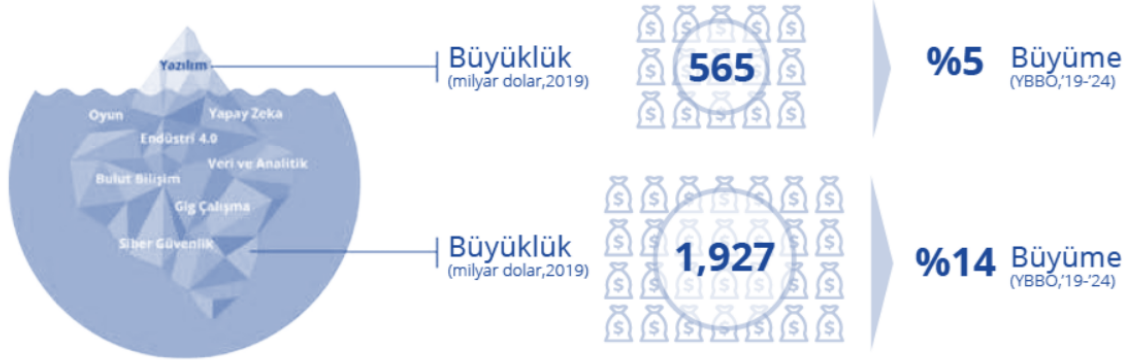
Seçilmiş Sektörler ve Bu Sektörlerde Öne Çıkan Yazılım Şirketleri, 2020 (milyar dolar)

	Şirket Yaşı	Piyasa Değeri (milyar USB)	Çalışan Sayısı (bin kişi)		Şirket Yaşı	Piyasa Değeri (milyar USB)	Çalışan Sayısı (bin kişi)
amazon	25	1,600	876	Walmart	58	433	2200
facebook	16	796	53	TimeWarner	98	75	26
Uber	11	87	22	enterprise	53	10	90
Spotify	12	54	5	UNIVERSAL	86	30	8
airbnb	12	35	7,5	Hilton	101	29	173
NETFLIX	23	223	8,6	Disney	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)

2015	2016	2017	2018	2019	2020T	2021T	2022T	2023T	2024T
402	427	467	518	565	560	573	612	665	730

%+9 %+5

https://tusiad.org/tr/yayinlar/raporlar/item/10709-turkiye-de-yazilim-ekosisteminin-gelecegi
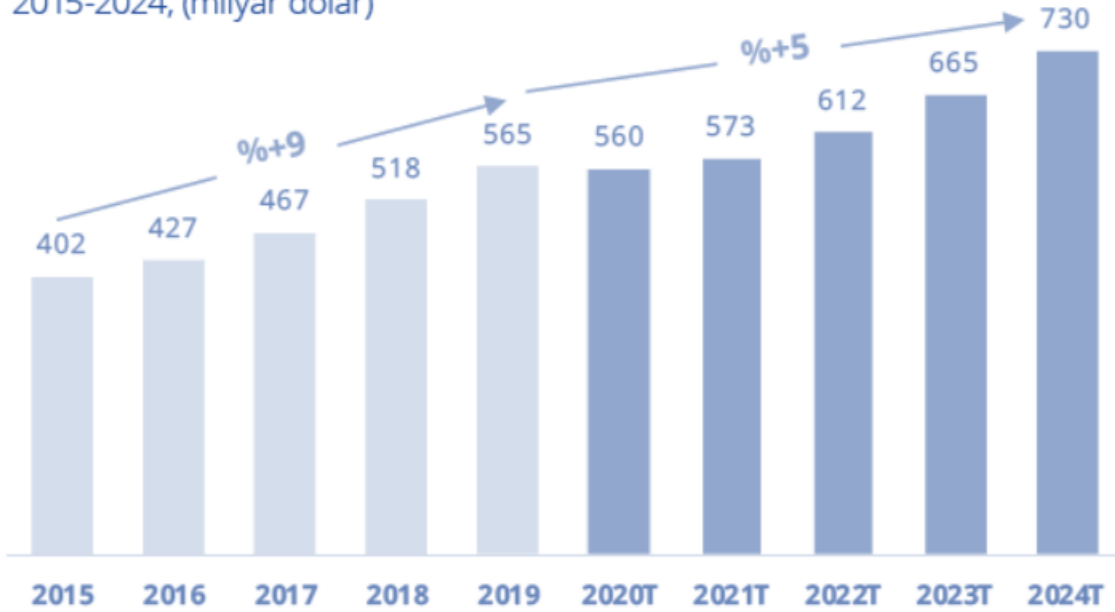
The Outlook of the Information Sector in Turkey

According to TÜBİSAD's latest Information and Communication Technologies Sector Report[2], the total sector size reached TL 189 billion (USD 26.9 billion) in 2020. Accordingly, the sector grew by 22% in TL in 2020. The average annual growth rate in TL between 2016-2020 is 19%. 64% of the 189 billion TL market in 2020 consists of communication technologies (including incomes of operators) and 36%of information technologies including software, hardware and services.

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[2] https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

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Bilgi ve İletişim Teknolojileri Sektörü Alt Kategorileri
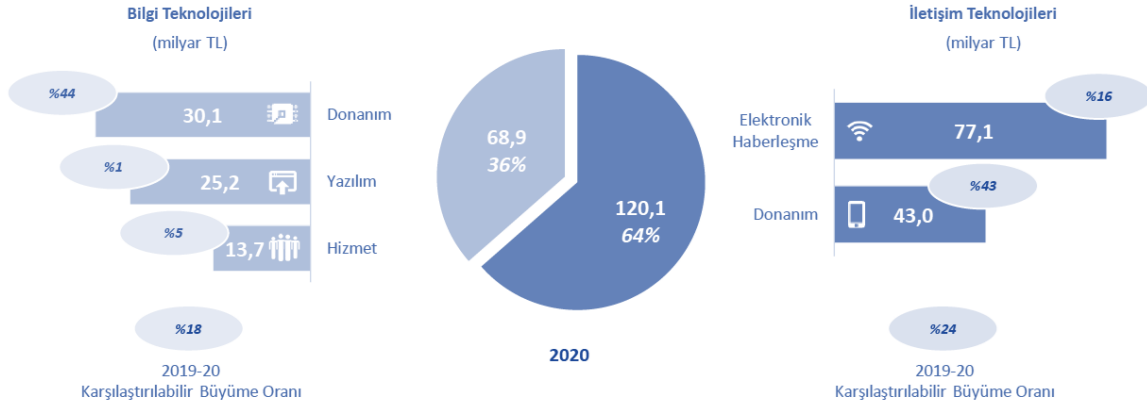
https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

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 is the basis of the last report, is 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.

https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

While the total sector size was 94.3 billion TL in 2016, it increased by 21% in 2017 to 113.8 billion TL. The market grew by 17% in 2018 and reached TL 132.8 billion. In 2019, the sector reached TL 152.7 billion with a growth of14%. In 2020, it reached TL 186.3 billion with an increase of22%.

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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
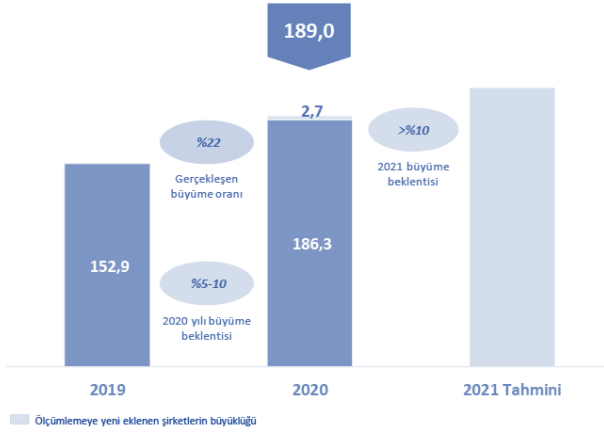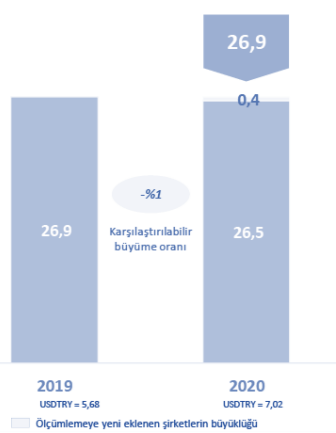
https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

Sektör Büyüme Bileşenleri

Kur etkisi ve elektronik haberleşme, sektör büyümesine sırasıyla 12,3 ve 10,4 milyar TL katkıda bulunmuştur.
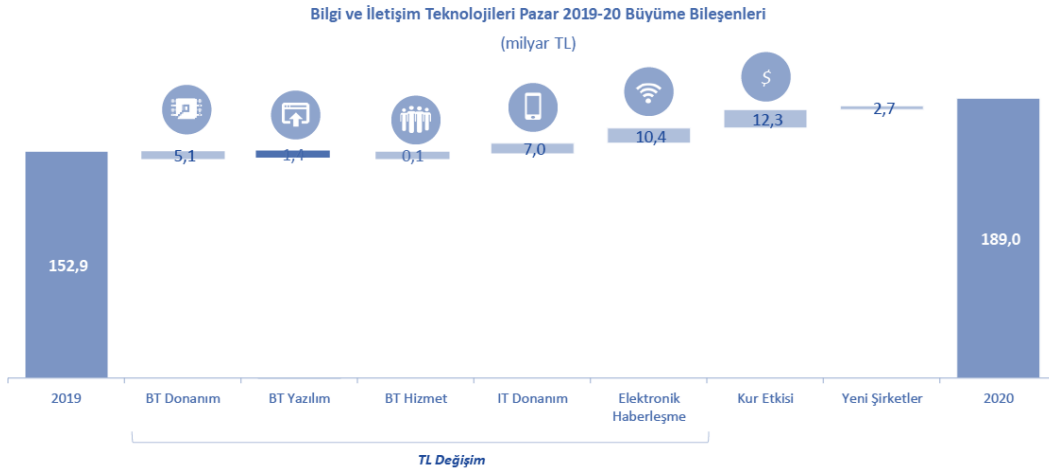
https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

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

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

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Bilgi ve İletişim Teknolojileri Pazar Kırılımı – milyar TL
Bilgi Teknolojileri, İletişim Teknolojileri'ne göre 2016-2020 yılları arasında daha hızlı büyümüştür.

TÜBİSAD

Bilgi ve İletişim Teknolojileri Pazar Büyüklüğü
(milyar TL)

Year	İletişim Teknolojileri	Bilgi Teknolojileri	Total
2016	64,7	29,6	94,3
2017	75,6	38,2	113,8
2018	86,9	44,7	131,7
2019	96,7	56,3	152,9
2020	120,1	68,9	189,0

2016-20 Yıllık Ortalama Karşılaştırılabilir Büyüme
- Bilgi Teknolojileri %22
- İletişim Teknolojileri %17
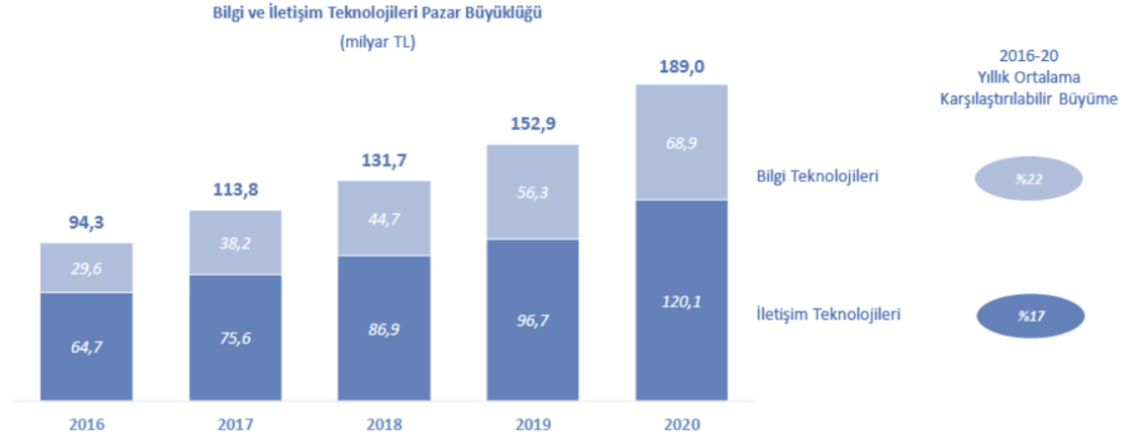
https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

Information technology sub-sectors consist of hardware, software and service sectors. The size of the hardware sector reached TL 30.1 billion in 2020 with a 44% growth. The software sector grew by 1% to 25.2 billion TL in 2020. 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 a growth of16% in 2020. The hardware sector grew by 43% to 43 billion TL in 2020.

2020 Bilgi ve İletişim Teknolojileri Pazarı
milyar TL

TÜBİSAD

2020 Bilgi ve İletişim Teknolojileri Sektörü
(milyar TL)

Toplam İhracat	Sektör Büyüklüğü	Toplam İstihdam
10,5	**189,0**	158k

Bilgi Teknolojileri	İletişim Teknolojileri
68,9	120,1

Donanım	Yazılım	Hizmet	Donanım	Elektronik Haberleşme
30,1	25,2	13,7	43,0	77,1

https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

Although the share of information technologies does not change much in the total, fluctuations in the exchange rate have caused the increase in the hardware category, where imported products are predominant, to overtake the domestic product-weighted software and service categories.

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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.

Bilgi Teknolojileri Pazar Bileşenleri

	2016	2017	2018	2019	2020	
Hizmet	16%	22%	21%	21%	20%	
Yazılım	40%	39%	41%	42%	37%	
Donanım	44%	39%	38%	37%	44%	
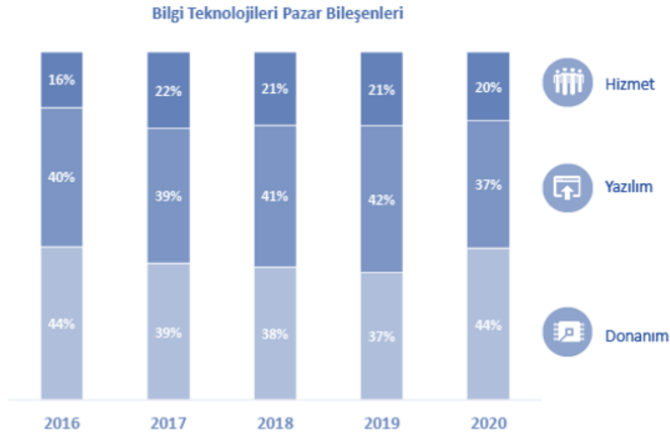
- Geçmiş yıllarda olduğu gibi 2020 yılında da toplam pazar içindeki Bilgi Teknolojilerinin payında kayda değer bir değişim gözlenmemiştir.
- Bilgi Teknolojilerinin alt kategorilerinde ise geçmiş yıllara göre değişim gözlenmektedir.
- 2016 yılından 2019 yılına kadar donanımın payı azalırken 2020 yılında kurdaki yükselişin de etkisi ile birlikte bu trend değişmiş, donanımın payı %37'den %44'e yükselmiştir.
- Donanım tarafında görülen hızlı büyümenin pandemi etkisi ile birlikte dünya genelinde artan donanım ihtiyacına paralel olarak ülkemizde de gerçekleştiği görülmektedir.

https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

Information and Communication Technologies Sector Exports

In 2020, the total exports of the sector reached 10.520 million TL with an increase of53%.

Bilgi ve İletişim Teknolojileri Sektörü İhracatı

Toplam ihracat içerisindeki en büyük pay Bilgi Teknolojileri Yazılım kategorisindedir.

	İhracat	Alt Kategori içi % Pay	% Değişim
Bilgi Teknolojileri Donanım	758 Milyon TL	%3	%53
Bilgi Teknolojileri Yazılım	8.711 Milyon TL	%35	%70
Bilgi Teknolojileri Hizmet	371 Milyon TL	%3	-%37
İletişim Teknolojileri Donanım	680 Milyon TL	%12*	%7

Toplam İhracat 2020

10.520 Milyon TL

Karşılaştırılabilir Büyüme: %53

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Bilgi ve İletişim Teknolojileri Sektörü İhracatı

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

TÜBİSAD

Bilgi ve İletişim Teknolojileri İhracatı
(milyon USD)

Yıllık Ort. Büyüme: %10

2016	2017	2018	2019	2020
1022	1171	1059	1146	1498

%15   -%10   %8   %31

- 2020 yılında toplam sektör büyüklüğü dolar bazında %1 civarında azalmasına rağmen, sektörün toplam ihracatı %30'un üzerinde artış göstermiştir.
- 2020 yılında iletişim teknolojileri grubundaki ihracatta düşüş gözlenirken, bilgi teknolojileri grubu ihracattaki büyümeyi sağlamıştır.
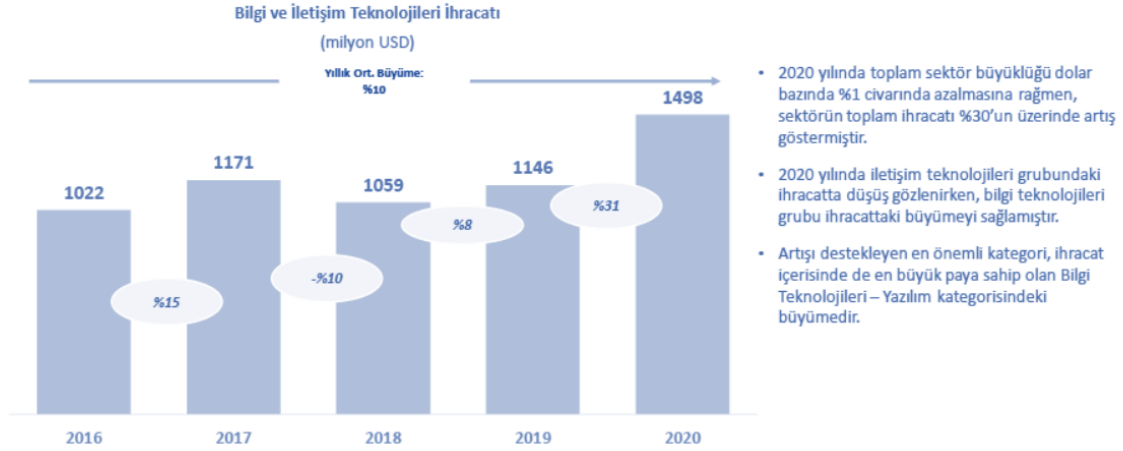- Artışı destekleyen en önemli kategori, ihracat içerisinde de en büyük paya sahip olan Bilgi Teknolojileri – Yazılım kategorisindeki büyümedir.

https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

Bilgi ve İletişim Teknolojileri Sektörü İhracatı

Alt kategoriler bazında gelişim - milyon USD

TÜBİSAD

Bilgi ve İletişim Teknolojileri İhracatı
(milyon USD)

2016-20 Ortalama Değişim Oranı

Yıl	Toplam				
2016	1.022	105	676	74	167
2017	1.170	90	833	110	137
2018	1.059	91	786	73	110
2019	1.146	101	845	87	112
2020	1.498	53	1.241	108	97

- Bilgi Teknolojileri – Hizmet   -%16
- Bilgi Teknolojileri – Yazılım   %16
- Bilgi Teknolojileri – Donanım   %10
- İletişim Teknolojileri – Donanım   -%13

Toplam   %10
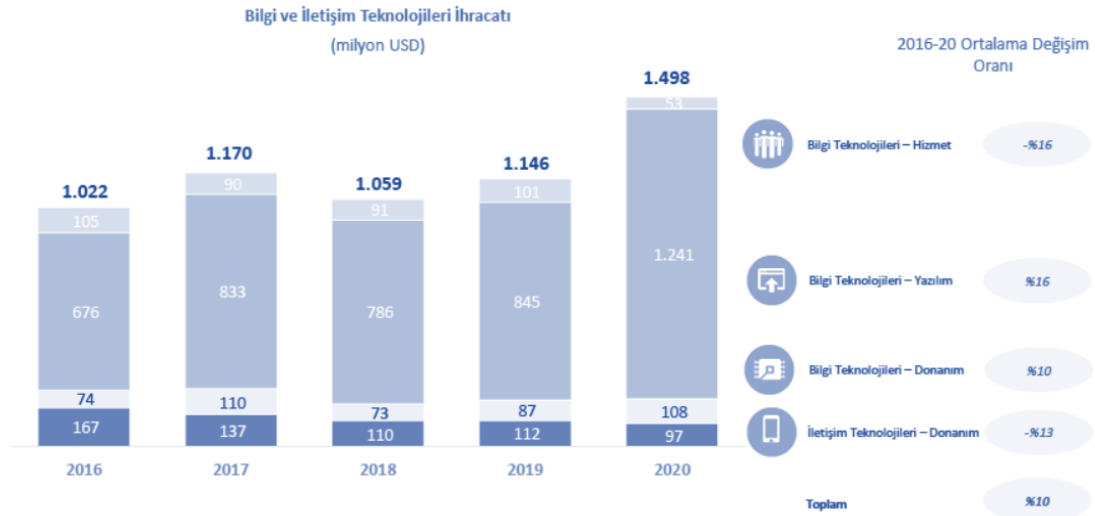
https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

In 2020, the distribution of exports by regions was as follows. A very large part of the exports was realized to the European Union with 67%; It took the second place in the Middle East and Africa with 17%. The remaining 16% was made in America, non-EU Europe and Asia Pacific regions.

İhracat Yapılan Bölgeler ve Büyüme Fırsatları

TÜBİSAD

https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

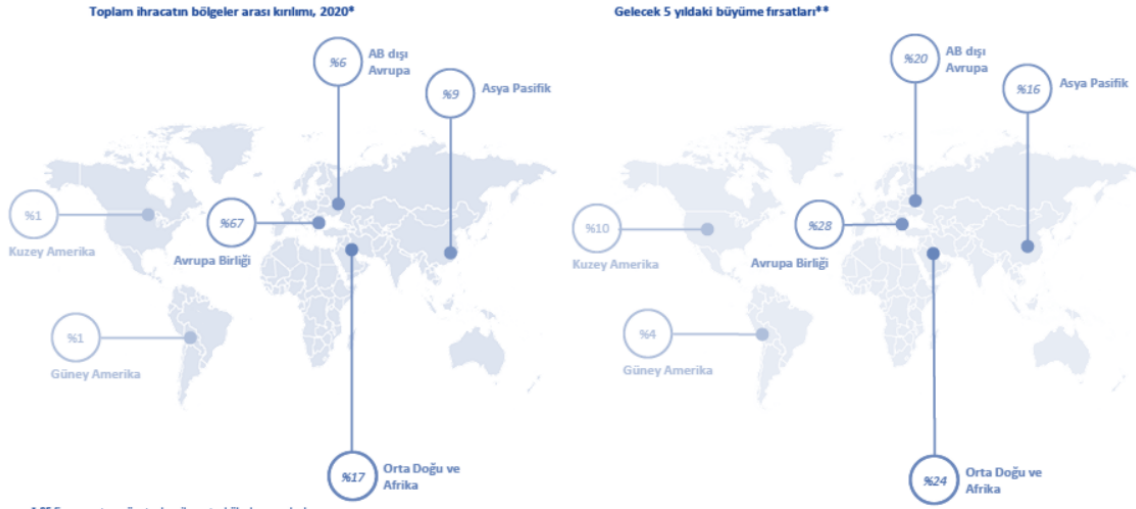In 2020, total employment increased by 7% compared to the previous year and reached 158,000 people. 122,000 of these 158,000 people work in the field of information technologies and 36,000 in the field of communication technologies. Approximately 29% of the sector consists of female employees, 57% are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

İstihdam (bin kişi)

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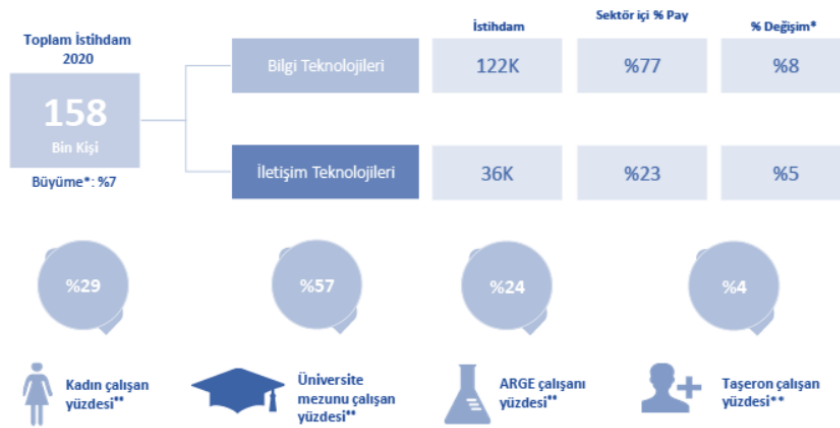
TÜBİSAD

https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

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% are around 31%. In general, the expectation that employment will decrease is at the level of 4%.

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İstihdam

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

https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

Among the areas where software is developed in the sector, ERP/CRM applications in which the Issuer operates the most are the leading ones. 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.
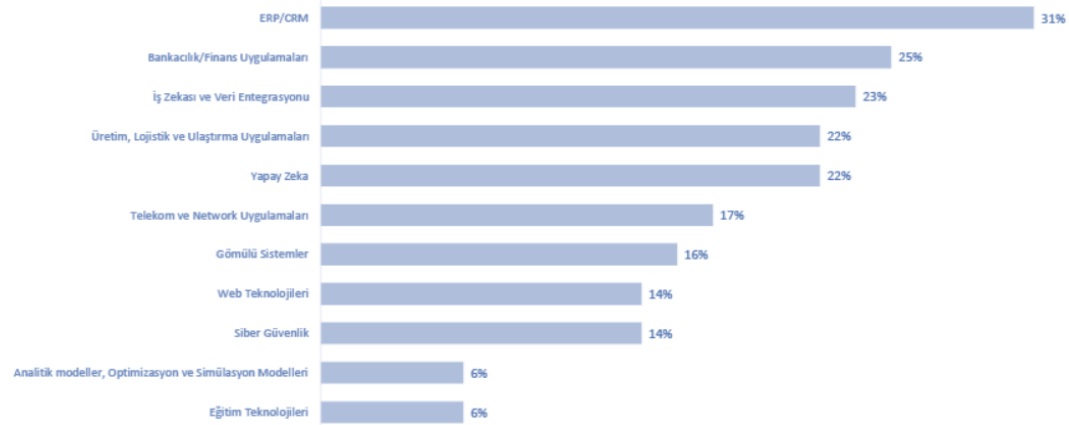
https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

Sektörün Etki Alanları

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

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

Teknolojik Alan	2020	2019
Dijital Dönüşüm	55%	48%
Bulut Teknolojisi	49%	70%
Yapay Zeka	45%	55%
Analitik / Büyük Veri	44%	40%
Eski Sistemlerin Modernizasyonu	33%	16%
Siber Güvenlik	32%	28%
Blockchain	13%	15%
Gelişen Teknolojiler (3D Yazıcılar, Sanal Gerçeklik vb.)	6%	10%
Diğer	4%	1%
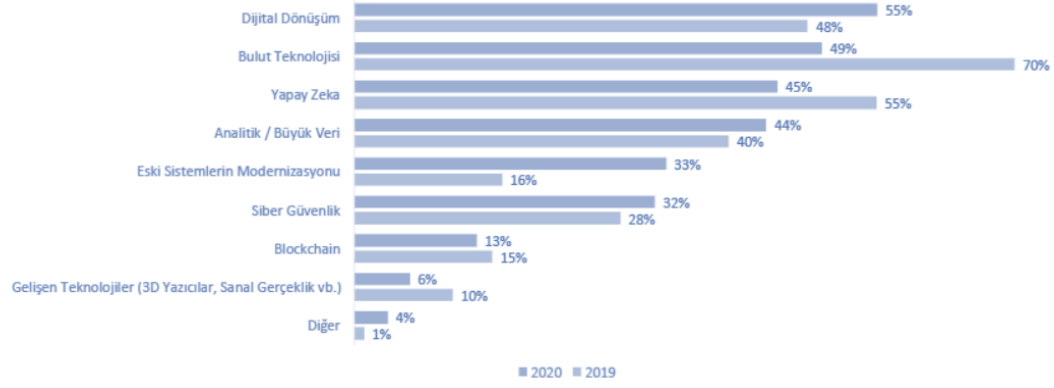
https://www.tubisad.org.tr/tr/images/pdf/tubisad_bit_2020_raporu_tr.pdf

6.   DEVELOPMENT AS OF THE THIRD QUARTER OF 2022

- In accordance with the principles determined in accordance with the Turkish Commercial Code No. 6102 and the Capital Market Law No. 6362, the decision of the general assembly dated 25.03.2022 regarding the election of Karar Bağımsız Denetim ve Danışmanlık A.Ş. was registered on 12.04.2022 and published and announced in the Turkish Trade Registry Gazette dated 12.04.2022 and numbered 10557 in order to audit the financial reports of our Company for the period of 01.01.2022-30.09.2022 and to carry out other activities included in the relevant regulations in these laws.

- A contract was signed between Inojen Enerji Teknolojileri ve Yatırım A.Ş. and our company with a price of USD 550,000 (US Dollars) within the scope of the project "Establishment of Kangal SPP Project Surveillance Camera and Environmental Lighting Systems". The delivery of the relevant Project and products is planned to be realized in 2022.

- Within the scope of "Purchase of Private Security Technologies Products", order approval was obtained from a private company operating in the domestic security sector with a price of 129.229.039,00 TL (Turkish Lira). The delivery of the related products is planned to be realized in 2022.

- The project, the 1509-International Industry R&D Projects evaluation process of which was successfully accomplished by TUBITAK, the name of which submitted to TUBITAK is IWISH-HEALTH SERVICES SMART WORKFLOW OPTIMIZATION AND INTUITIVE SYSTEM INTERACTION project will be carried out by the consortium cooperation of 12 (twelve) companies from 4 (four) countries including Turkey, Holland, Belgium and Singapore and a contract has been concluded with TÜBİTAK to receive a share of TL 1,816,461.67 for R&D studies.

- Within the scope of the R&D Projects Support Program on "AVATAR-BASED INTERACTION PLATFORM IN THE METAVERSE ENVIRONMENT", it was found worthy of support as a result of the evaluation made by the Scientific and Technological Research Council of Turkey (TÜBİTAK). The minimum support amount of the project is 1.121.259,87 TL and covers the project activities until 31.07.2025.

- Our company has signed the contract for the "Contactless Access Control System and Patient Guidance Systems" within the scope of the Indoor Mapping project with Metaverse and Augmented Reality Technologies with the Rectorate of ZONGULDAK BÜLENT ECEVİT UNIVERSITY on 12.08.2022 at a cost of 3.089.500,00 TL + VAT.

- Within the scope of the Digital Education Platform project, which is carried out by our Company in cooperation with UNICEF and the Ministry of National Education -General Directorate of Special Education and Guidance Services, an order was received from the "Transforming Books into Interactive Activities" project at a price of TL 1,648,080 including VAT.

- A cooperation protocol has been signed between MİA and KUTEM (Gazi University Urban Transportation Technologies Accessibility Application and Research Center, https://kutem.gazi.edu.tr/) in order to introduce and disseminate the studies and applications to be carried out within the scope of Electric Bicycle / Car Sharing Systems.

- MİA Technology has been invited to be a technology provider to the consortium formed for the project proposal called "ITEA - TREAT", which brings together universities, research centers and organizations such as Philips and BeWell from European Union countries.

- MİA Technology has been invited as a technology provider due to its expertise in the field of eXtended Reality to the consortium formed for the "AI for human empowerment (AI, Data and Robotics Partnership) (RIA)" call, which brings together important institutions and organizations from countries such as Belgium, Germany, the Netherlands and Latvia.

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7. INCENTIVES BENEFITED BY THE COMPANY

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

Law No. 5746 on the Support of Research, Development and Design Activities; The purpose of this Law is to support and encourage the production of technological information, innovation in product and production processes, increase in product quality and standard, increase in efficiency, decrease in production costs, commercialization of technological information, development of pre-competitive cooperation, technology-intensive production, entrepreneurship and investments in these areas, acceleration of the entry of foreign direct investment in R&D, innovation and design, and increase in R&D and design personnel and qualified labor employment in order to make the country's economy internationally competitive through R&D, innovation and design. Within the scope of this Law, all R&D and innovation expenditures are taken into account as a discount until 31.12.2028 in determining the corporate income subject to tax. However, there is an Income Tax Withholding incentive for all R&D personnel and up to 10% of support personnel. There is also Stamp Duty Exemption and Insurance Premium support.

Social Insurance and General Health Insurance Law No. 5510; the purpose of this Law is to secure the persons in terms of social insurance and general health insurance; to determine the persons who will benefit from these insurances and the rights to be provided, the conditions of benefiting from these rights and the methods of financing and meeting them; to regulate the procedures and principles related to the operation of social insurance and general health insurance. The amount of 5% of the employer's share from the premiums for disability, old age and death insurances of private sector employers employing 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: Subparagraph (i) of paragraph 1 of Article 81 of Law No. 5510, Circulars No. 2008/93 – 2009/139 – 2011/45.

Document Number: 5510

The relevant Incentive was started to be implemented on 01.10.2008. It is still in force and applied in our workplace.

Employers in the private sector can receive an incentive equal to five points on the employer's share of disability, old-age, and death insurance premiums calculated over the insured's premium earnings for the insured.

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- The monthly premium and service certificate / concise and premium service declaration has been submitted within the legal time limit,
- Premiums have been paid within the legal period,
- No premiums, administrative fines, and related delay increment and penalty debts, if any, have been structured in installments and are paid regularly,
- Not employing unregistered insured / not making false insured notification,
- The employer is not one of the institutions and organizations within the scope of the second paragraph of Article 30 of the 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

The relevant Incentive was 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 persons recruited between 1/1/2018 and 31/12/2022 and included in the scope; for the workplaces operating in the information sector determined by the decision of the Council of Ministers numbered 2018/11969; all of the premiums of the insured and employer shares calculated on the basis of the premium earnings, not exceeding the gross minimum wage, and for the workplaces operating in other sectors; all of the premiums of the insured and employer shares calculated on the basis of the premium earnings lower limit shall be covered by the Unemployment Insurance Fund.

CONDITIONS FOR BENEFITING FROM THE INCENTIVE

For the Employer

- The monthly premium and service certificate / concise and premium service declaration has been submitted within the legal time limit,
- 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,

For the Insured

- Being employed between 01.01.2018-31.12.2022,
- Being unemployed registered with Turkish Employment Agency,

- Not being registered within the meaning of Section 4/1-a, b, and c of Law No. 5510 for a period of more than ten days in the monthly premium and service documents provided to our Institution for the three months preceding the date of employment,
- Employment of the insured in excess of the average of the number of insured persons notified to the Agency in the calendar year preceding the year in which the insured is employed
- In addition, the period of benefit from the Support is 12 Months; This period is 18 Months from the date of employment of the insured for women over 18 years of age, men under 18 years of age under 25 years of age and for the insured registered as disabled in the Turkish Employment Agency. Those other than these insured are applied for 12 months for men over 25 years of age. However, the duration of the incentive 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. Employers who undertake the workplaces within the scope of Article 5335/30, Paragraph 2 and the tendered works carried out within the scope of Laws 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

The relevant Incentive was started to be implemented on 01.07.2008. It is still in force and applied in our workplace.

For disabled insured workers employed in privately owned workplaces, the Ministry of Treasury and Finance has made available the option of covering the entire insurance premium employer's share calculated above the lower limit of earnings subject to premium.

CONDITIONS FOR BENEFITING FROM THE INCENTIVE

- Employers must employ insured persons with disabilities,
- Monthly premium and service certificate has been given to the Authority within the legal period,
- Premiums have been paid
- This incentive cannot be used due to the insured and candidate apprentices, apprentices and students who work subject to social security support premiums, who work subject to community insurance, who work abroad.
- The 5-point discount is calculated over the PEK (gross income) and the remaining 15.5% employer 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

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

EXPLANATION: Half 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 provisional Article 2 of the Law No. 4691 is covered by the allowance to be put into 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 has been submitted within the legal time limit, premiums have been paid,
- Actual work of the insured,
- The insured is; R&D/Design personnel or support personnel provided that 10% of the number of R&D personnel is not exceeded or personnel whose wages are exempted from income tax in accordance with the Law No. 4691.
- The 5-point discount and half of the remaining 15.5% employer's share (7.75%) are calculated over PEK.

8. QUALIFICATION, CERTIFICATION AND REGISTRATION DOCUMENTS OF THE COMPANY

S.N	DOCUMENT TITLE	ISSUED BY	ISSUE DATE	EXPIRATION DATE
1	9001:2015 QUALITY MANAGEMENT SYSTEM	QSI	16.04.2021	19.04.2023
2	14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM	QSI	16.04.2021	19.04.2023
3	45001:2018 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM	QSI	11.01.2021	11.01.2023
4	ISO/IEC 27001 INFORMATION SECURITY MANAGEMENT SYSTEM	QSI	06.12.2019	06.12.2022
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)	MoD	2018	31.12.2023
7	NATO SECURITY DOCUMENT (NATO CONFIDENTIAL)	MoD / MoF	05.12.2018	05.12.2023
8	AFTER-SALES SERVICE QUALIFICATION CERTIFICATE	MINISTRY OF COMMERCE	02.08.2022	02.08.2024
9	CERTIFICATE OF SERVICE COMPETENCY	TSE (TURKISH STANDARDS INSTITUTE)	09.09.2008	10.09.2023
10	CAPACITY REPORT	ANKARA CHAMBER OF INDUSTRY / UCCET	04.03.2022	15.03.2024
11	TS ISO / IEC 15504 SPICE ORGANIZATIONAL MATURITY CERTIFICATE LEVEL 2	ICT CERTIFY	29.04.2022	29.04.2025
12	20000-1 INFORMATION TECHNOLOGIES SERVICE MANAGEMENT SYSTEM	QSI	19.12.2020	19.12.2022
13	ISO 22301 BUSINESS CONTINUITY MANAGEMENT SYSTEM	QSI	19.04.2021	19.04.2023
14	ISO 39001:2012 ROAD TRAFFIC SAFETY MANAGEMENT SYSTEM	QCS	03.06.2022	02.06.2023

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	GENERAL DIRECTORATE OF COPYRIGHT REGISTRATION DOCUMENTS			
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 Authentication 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	Mask Detection and Temperature Measurement Feature Person Recognition System	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITE
25	MİA Vehicle Identification Solutions	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITE
26	MİA 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 GATE	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITE
29	Mobile Multiple Biometric Recording Unit Development	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 Temperature Measurement	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITE
32	AR-based Remote Maintenance System for Remote Field Support Activities	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITE

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33	Facial Recognition and Matching System Created with Native Image Processing and Pattern Recognition Algorithms	MINISTRY OF CULTURE AND TOURISM	20.08.2021	INDEFINITE

9. OTHER SIGNIFICANT INFORMATION

9.1 Related party procedures

Our company has no related party procedures.

9.2 Profit Distribution Policy

Article 13 of the Articles of Association of the Company The determination and distribution of the profit is made in summary as follows;

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

a) Until reaching 20% of the capital, 5% is allocated to the legal reserve.
b) The first dividend is allocated from the remaining amount to be found with the addition of the donation amount made within the year, if any, in accordance with the Turkish Commercial Code and capital market legislation within the framework of the Company's profit distribution policy.
c) After the above reductions are made, the general assembly has the right to decide whether the profit share is to be distributed to the members of the board of directors, the employees of the Company, persons other than the shareholder.
d) After deducting the amounts specified in paragraphs (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 in whole or in part or to allocate it as a reserve fund that it has voluntarily allocated 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 paragraph 2 of Article 519 of the Turkish Commercial Code.

9.3 Information on Legislation 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 it aims to increase profit by using the balance of debt and shareholder's equity in the most efficient manner.

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The company monitors the capital using the debt/total capital ratio. This ratio is calculated by dividing net debt by total capital. Net debt is calculated by deducting cash and carry-forward similar values from the total debt amount (including trade and other payables as shown in the balance sheet). Total capital is calculated by collecting equity and net debt as shown in the balance sheet.

Credit Risk

Credit risk is the risk that the other party will suffer a financial loss as a result of the failure of one of the parties in a mutual relationship to fulfill its obligations regarding a financial instrument. It tries to manage the credit risk by limiting the transactions deviated from certain parties and by continuously evaluating the reliability of the parties with whom it is related.

Liquidity Risk

Liquidity risk is the probability of failure to meet net funding obligations. The occurrence of incidents resulting from the decrease in fund sources such as the deterioration in markets or decreasing the credit score cause liquidity risk to occur. The Company management manages the liquidity risk by allocating funding resources and maintaining sufficient cash and cash equivalents in order to fulfil its current and probable obligations.

Interest Rate Risk

Interest rate risk arises from the probability that changes in interest rates 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. Currently there is no company-defined risk management model or active application. 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 on Legislation 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 01.01.2022-30.06.2022.

9.5 Significant Incidents that Occured in the Reporting Period and Needed to be Reported

None.

9.6 Events Occurring from the Reporting Period to the Release Date

On 05.10.2022, a new Company was established with the title of Tripy Mobility Teknoloji A.Ş., which is 100% owned by the Company, in order to operate in the field of micromobility and to make investments in this field, and the registration and announcement procedures were completed.

9.7 Remarks Regarding the Private Audit and Public Audit Conducted During the Fiscal Period

There are no special audits and public audits carried out between 01.01.2022-30.09.2022 during 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 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 Members of the Managing Body Due to Practices in Violation of Legislation

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.

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

There is no Extraordinary General Assembly Meeting held within the period of 01.01.2022-30.09.2022.

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

During the period 01.01.2022-30.09.2022, our Company has spent 391.325.-TL within the framework of Social Responsibility Projects with donations and aids.

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 in Matters such as Investment Consultancy and Rating

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

10.   STATEMENT OF FINANCIAL POSITION-BALANCE SHEET AS OF 30.09.2022

MİA TEKNOLOJİ ANONİM ŞIRKETI statement of financial position as of 30.09.2022 (Amounts are expressed in Turkish Lira (TL) unless otherwise stated.)

	30.09.2022	31.12.2021
ASSETS		

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Current Assets

Cash and Cash Equivalents	98.818.904	68.406.511
Trade Receivables	177.728.536	55.339.725
Other Receivables	628.822	583.599
Inventories	3.710.099	5.120.226
Prepaid Expenses	6.704.597	1.301.328
-Related Parties	*850.198*	*-*
- Other	*5.854.399*	*1.301.328*
Current Period Income Tax Assets	-	72.288
Other Current Assets	5.944.826	2.895.615
Total Current Assets	**293.535.784**	**133.719.292**

Fixed Assets

Real Estate For Investment Purposes	4.325.000	4.325.000
Tangible Fixed Assets	2.983.115	963.307
Usufructary Right Assets	3.149.824	995.228
Intangible Fixed Assets	277.858.477	159.061.224
- Capitalized Development Costs	*272.231.022*	*153.252.814*
- Other Intangible Fixed Assets	*5.627.455*	*5.808.410*
Prepaid Expenses	264.903	19.067
Deferred Tax Asset	4.825.854	1.396.735
Other Fixed Assets	-	194.663
Total Fixed Assets	**293.407.173**	**166.955.224**
Total Assets	**586.942.957**	**300.674.516**

	30.09.2022	31.12.2021
RESOURCES		
Short-Term Liabilities		
Short Term Borrowings	42.038.247	279.457
- Bank Loans	*41.419.146*	*-*
- Lease Transactions Payables	*619.101*	*279.457*
Short Term Portions of Long Term Borrowings	17.767.619	3.947.800
Trade Payables	80.018.431	35.171.882
Debts Under the Scope of Employee Benefits	1.870.586	817.884
Deferred Incomes	-	8.636.119
Period Profit Tax Liability	559.449	-
Short-term Provisions	635,028	518.083
-Provisions for Employee Benefits	*525.978*	*247.773*
- Other Short Term Provisions	*109.050*	*270.310*

Other Short Term Liabilities	85.300	723.581
Total Short-Term Liabilities	**142.974.660**	**50.094.806**

Long-Term Liabilities		
Long Term Borrowings	4.711.276	2.547.660
- Bank Loans	*2.182.118*	*1.506.393*
- Lease Transactions Payables	*2.529.158*	*1.041.267*
Long-term Provisions	4.151.184	2.537.469
-Provisions for Employee Benefits	*4.151.184*	*2.537.469*
Total Long-Term Liabilities	**8.862.460**	**5.085.129**

Total Liabilities	**151.837.120**	**55.179.935**

Equities		
Paid-in Capital	38.000.000	38.000.000
Premiums on Shares (Discounts)	116.667.204	116.667.204
Other Accumulated Comprehensive Income and Expenses not to Be Reclassified in Profit or Loss	-1.444.657	-1.193.437
- Defined Benefit Plans Re-measurement Profits/ (Losses)	*-1.444.657*	*-1.193.437*
Reserves on Retained Earnings	2.932.507	1.832.335
Previous Years Profits/Losses	89.088.307	36.032.698
Net Profit/Loss For the Period	189.862.476	54.155.781
Total Shareholders Equity	**435.105.837**	**245.494.581**

11.   COMPREHENSIVE INCOME STATEMENT OF FINANCIAL POSITION AS OF 30.09.2022

MİA TEKNOLOJİ ANONİM ŞIRKETI statement of financial position as of 30.09.2022 (Amounts are expressed in Turkish Lira (TL) unless otherwise stated.)

Statement of Profit and Loss	01.01.2022 30.09.2022	01.01.2021 30.09.2021	01.07.2022 30.09.2022	01.07.2021 30.09.2021
Revenue	356.867.407	104.428.880	170.564.682	39.314.145
Cost of Sales (-)	-156.454.142	-66.055.971	-80.576.618	-20.464.440
Gross Profit/Loss	**200.413.265**	**38.372.909**	**89.988.064**	**18.849.705**

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General Administrative Expenses (-)	-14.362.270	-3.284.822	-6.114.793	-1.139.406
Other Real Operating Income	175.524	359.090	-262.681	13.843
Other Real Operating Expenses (-)	-1.004.215	-298.811	-1.004.215	-26.149
Real Operation Profit/Loss	**185.222.304**	**35.148.366**	**82.606.375**	**17.697.993**
Revenue From Investment Activities	596.610	547.480	20.339	47.500
Operating Profit / (Loss) Before Financing Expense	**185.818.914**	**35.695.846**	**82.626.714**	**17.745.493**
Financing Income	20.978.070	4.176.246	4.445.853	427.588
Financing Expenses (-)	-19.393.129	-5.582.005	-5.343.196	-1.168.338
Profit/Loss Before Tax	**187.403.855**	**34.290.087**	**81.729.371**	**17.004.743**
Tax Expense / Income	**2.458.621**	**92.433**	**1.111.176**	**40.310**
Tax Expense / Income of the Period	-895.458	-704.239	-585.882	-214.398
- Deferred Tax Expense / Income	3.354.079	796.672	1.697.058	254.708
Period Net Profit/Loss	**189.862.476**	**34.382.520**	**82.840.547**	**17.045.053**

	01.01.2022 30.09.2022	01.01.2021 30.09.2021	01.07.2022 30.09.2022	01.07.2021 30.09.2021
Statement of Profit or Loss and Other Comprehensive Income				
Period Net Profit/Loss	**189.862.476**	**34.382.520**	**82.840.547**	**17.045.053**
Not to be Reclassified to Profit or Loss	**-251.220**	**289.538**	**31.783**	**-27.895**
Defined Benefit Plans Re-measurement Profits/Losses	-326.260	386.051	41.276	-37.193
Tax Income/Expense Related to Other Comprehensive Income Items not to be Reclassified to Profit or Loss	75.040	-96.513	-9.493	9.298
Other Comprehensive Income (After Tax)	**-251.220**	**289.538**	**31.783**	**-27.895**
Total Comprehensive Income	**189.611.256**	**34.672.058**	**82.872.330**	**17.017.158**

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 Companies" published by the Ministry of Trade in the Official Gazette dated 28.08.2012 and numbered 28395.

Sincerely
24.10.2022

Ali Gökhan BELTEKİN
Chairman of the Board

Özgür ÇİVİ
Independent Board Member

İhsan ÜNALY
Deputy Chairman of the Board
of Directors

Ali YAZICI
Independent Board Member

Mehmet Cengiz BAĞMANCI
Board Member

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