Kontrolmatik Technologies

Sustainable,
Technologies
For a Carbon Free
and Livable
World

3Q22
Investor Presentation

December 9, 2022

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Executive Summary

Revenue Performance	Sales revenues, which increased by 119% in the third quarter of 2022, continued to have a positive impact on financials in 3Q22 with the removal of pandemic restrictions and the implementation of new projects compared to the same period last year.
Investment Strategy	In order to guarantee a sustainable green future, we invest and add value in future technologies such as IoT, automation, Li-Ion batteries, energy storage and robot Technologies by financing with equity, long-term financing or partnership options and using young and qualified workforce in Türkiye.
Financials & Share Performance	In 3Q22, net sales and EBITDA continued to grow, while gross margin, EBITDA margin and net profit margin increased. While the positive EVA and 50,8% ROIC show the efficiency of the investments made, the 'KONTR' stock increased by 372% from the beginning of the year to September 30, 2022.
Expectations	The fact that more than 85% of the ongoing and under-contract works of 2,5 billion TL are in foreign currency and 164 mTL long net FX position in the balance sheet affects the financials positively in the period when the exchange rates increase. In 2022, we revise sales expectation to ~1,6 billion TL and EBITDA expectation to ~450 million TL.

Agenda

Briefly Kontrolmatik…

2008
Establishment

500+
Employees

60%+
Engineers

8+
Offices

300+
Completed Projects

30+
Countries

28th
The World's Largest System Integrator

11,7 Billion TL
Market Capitalization
**As of 30.09.2022*

Established as an engineering and automation company in 2008 in İstanbul, Kontrolmatik is a technology firm that creates vertical and horizontal integration by generating cash flow from Engineering-Procurement-Construction (EPC) operations. Kontrolmatik went public in 2020 and currently traded on Borsa Istanbul.

The main field of activity of the company is to provide end-to-end digital solutions in the fields of software, hardware and systems development and integration, energy generation, transmission, distribution, energy storage technologies, internet of things (IoT) for all kinds of engineering solutions, developing environmentally friendly technologies for a carbon-neutral and more livable world with its innovative and sustainable technology-oriented approaches.

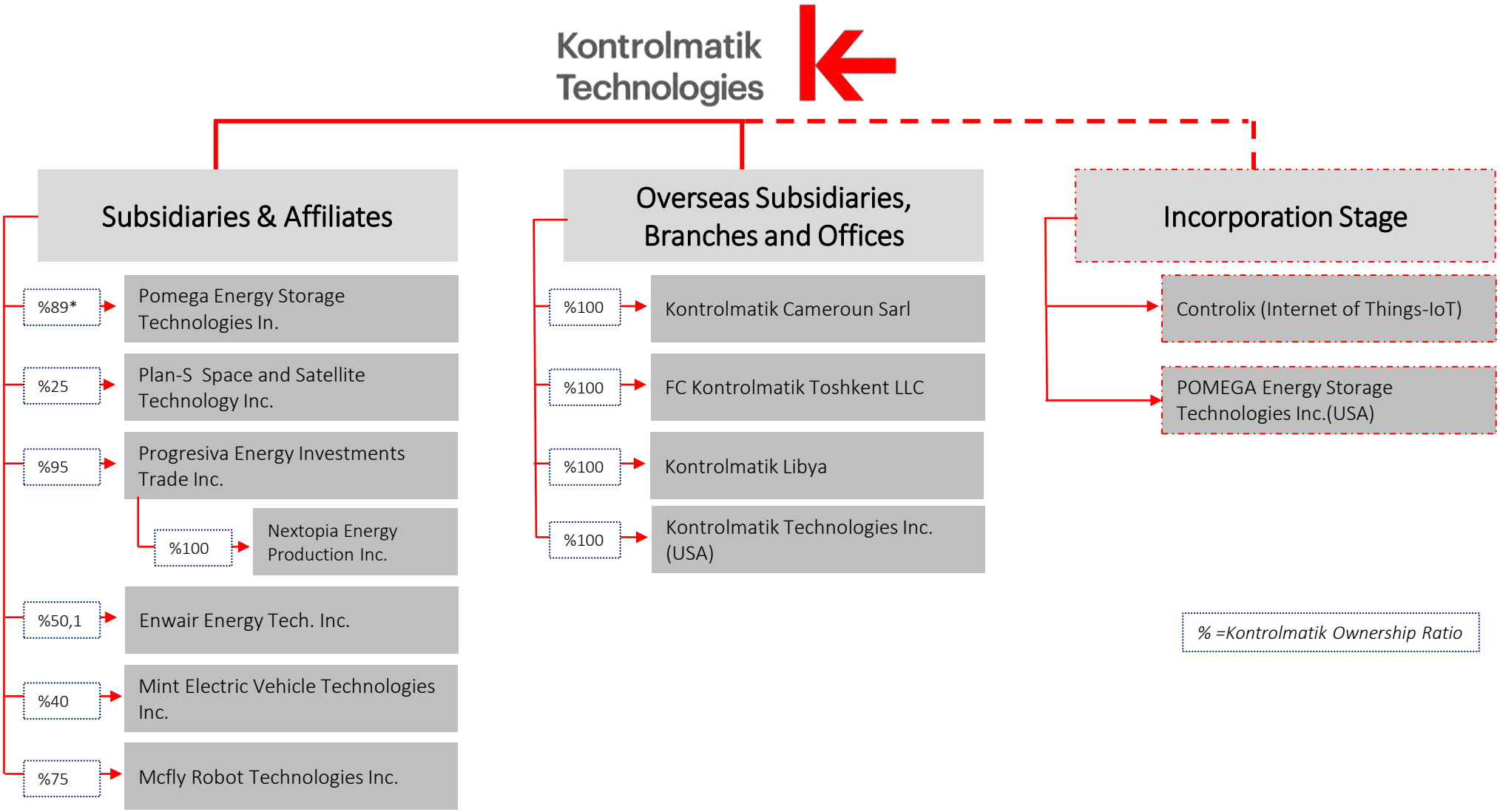
Kontrolmatik Sustainability approach depends on the 4 Ps; Productivity, Planet, People and Partnership. The Company builds its future plans on this base.

Kontrolmatik converts its experience and Know-How with R&D in different sectors to technological, sustainable, and innovative products and turnkey solutions. Thanks to the R&D department established in 2016, Know-How in automatization, Controlix-IoT, in the energy sector, Pomega-Lithium-ion-based battery cell production and in storage facilities, Progresiva-Energy evolved.

Kontrolmatik was named as the 28th Largest System Integrator in the World in the list published in Control Engineering Magazine in 2021 and has become one of the youngest companies in the most prestigious list of the industry. As one of the world's largest system integrators, it can work independently of brands.

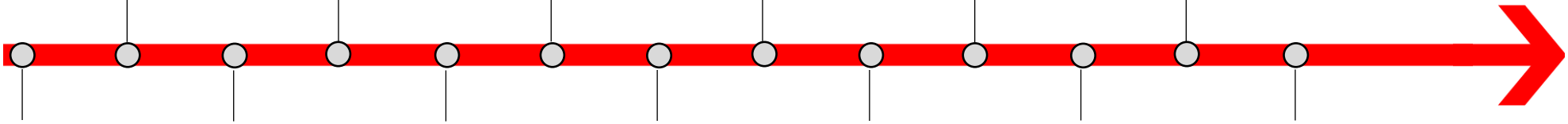
The backlog size is ~2,5 billion TL. More than 85% of the projects are in USD & Euro terms.

Subsidiaries & Affiliates *as of 03.12.2022*



** An agreement was signed with İş Portfolio and Rubellius Nucleus Investments be a shareholder of Pomega respectively by 10% and 1%. After the capital increase, Kontrolmatik's share will be 89%.*

Milestones



2008

Founded in Istanbul, Türkiye as an engineering and automation company.

First project: Automation system works for Microsoft's Headquarters building.

First overseas project: Azerbaijan Zagalata Airport

2010

A partnership agreement signed with ABB, one of the leading electricity companies in the sector, both in Türkiye and globally.

2011

Control Systems installed at Zorlu Energy's 4 Gas Power Plants and the first power plant and high voltage switchgear works abroad completed.

2012

First project in Africa: Tanas Beles sugar factory project in Ethiopia signed.

Many projects completed in Iraq, Turkmenistan, Saudi Arabia, Afghanistan and Jordan.

2013

Increased activities in Energy and Transportation, participation in tunnel electromechanical projects in Ankara and Istanbul, Power Plants in Zonguldak and Siirt, and successfully completed its responsibilities.

2014

Eti Mining Kırka compressor station works, the first turnkey project covering all fields of activity in construction, mechanical, electrical and automation.

Successfully completed its first project in Europe for Energy Monitoring System at Pristina Airport.

2015

The Energy Management System project of İkitelli Organized Industrial Zone, Türkiye's largest Organized Industrial Zone, completed.

2016

All E-BOP and 220 kV high voltage substation scopes of two power plant projects in Africa were undertaken and the highest amount of contract to date was signed.

R&D department established and IoT, Lithium-Ion Battery and Robotics studies begin.

2017

In order to meet the increasing EPC project demands as of 2017, Organizational structure changed to strengthen its systematic solution approach by dividing the company into 6 departments: Turnkey Projects, Engineering, Testing and Commissioning, Control Systems, Communication Systems, Software and IoT.

2018

One of the largest IoT works in Türkiye the IoT Lorawan Meter Monitoring System project at IGA Istanbul Airport completed.

According to the System Integrator Giants 2018 list, it was named the world's 52nd largest system integrator in the field of "Control Engineering Magazine".

Under one contract, 4 pcs 132 kV AIS & GIS Substation Projects in Iraq signed.

2019

Having signed partnership agreements with General Electric in the field of Control Systems, Nozomi Networks and Fortinet in the field of Cyber Security, PSI in the field of Production Management System, and OSIsoft in the field of Data Management System for Türkiye and other countries.

According to the System Integrator Giants 2019 list, it was named the world's 44th largest system integrator in the field of "Control Engineering".

2020

Named world's 37th largest system integrator in 2020 in the List Published in CFE Media & Technology's Global System Integrator Database

IPO'ed in October 2020.

2021

Controlix brand for IoT registered and studies began for its incorporation in the US in 2025.

As a result of R&D studies, Pomega company was established to produce Lithium-Ion Battery and the first phase investment was started.

Plan-S company, which will operate in the field of satellite technologies, was established and an agreement was signed to send satellites with Falcon-9 rockets.

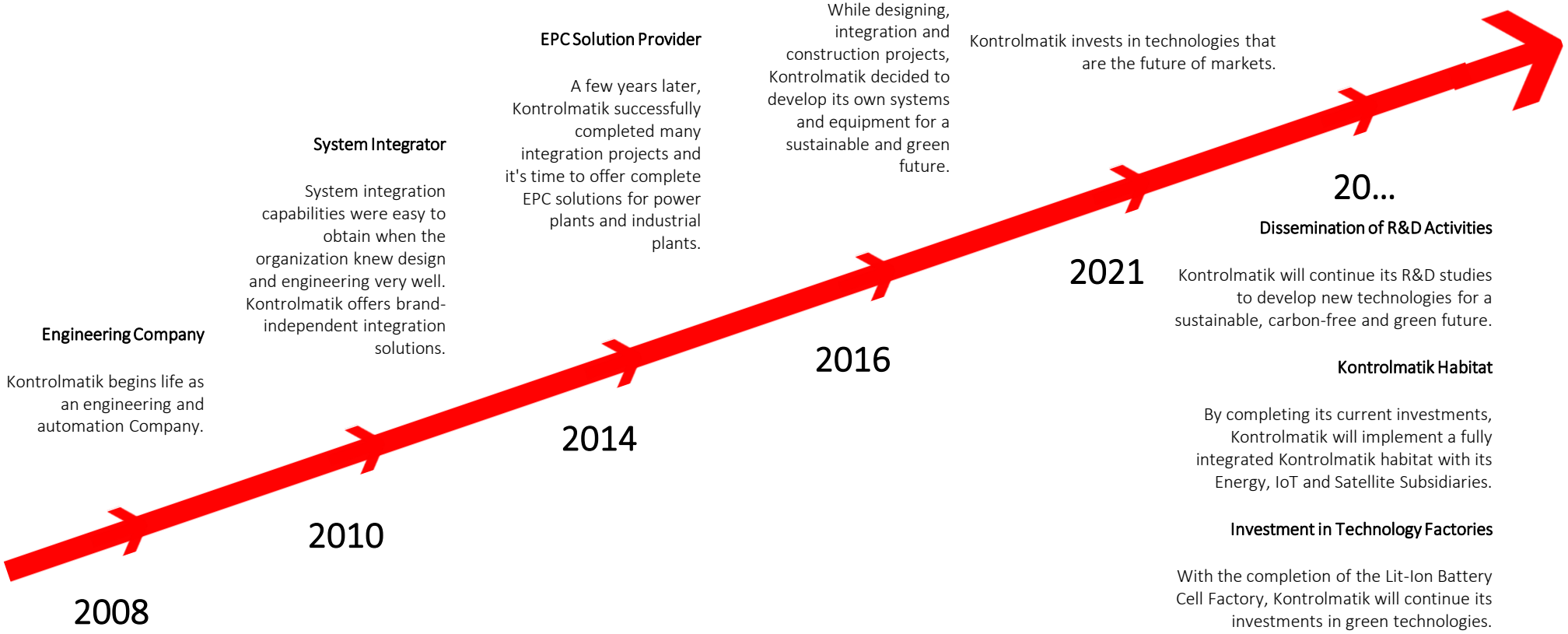
Progresiva Company was established for Energy storage facilities and license acquisition was completed.

Named the 28th largest system integrator in the world

As of 2022;

- Pomega ***«Lithium-Ion battery»,*** Plan-S «satellite technologies», Progresiva «electricity supply security» investments started with know-how and experience in the energy sector.
- Within the scope of the 1st Phase of Pomega's Lithium Ion Cell Battery Production and Energy storage facility investment; It has been accepted as a priority investment by the Ministry of Industry and Technology and an Investment Incentive Certificate has been issued in order to benefit from the support of the 5th region. The 1st phase investment amount subject to the Investment Incentive Certificate is 917.145.692 TL.
- An important stage has been reached in the R&D studies for the development of ***"Collaborative Robots (CoBot)"*** and the first prototype has been produced. Necessary studies for mass production in the next period has begun.
- On January 25, the foundation of the Lithium Ferro Phosphate Battery Factory was laid.
- Progresiva; A Supply License was granted by the Energy Market Regulatory Authority (EMRA) to trade electrical energy and/or capacity for 20 years.
- 5% share of Progresiva was sold at a price of 700.000 USD.
- The Connecta T1.1 test satellite, which was produced by Plan-S, was successfully launched from the Kennedy Space Station in Cape Canaveral, Florida on May 25, 2022, together with the "SpaceX Falcon 9 Transporter 5 Mission" rocket and communication was established.
- We plan to move to the building we bought in 2022 to be used in accordance with the physical space needs of our company's growing structure by the end of the year.
- With the acquisition of 50,1% shares of **ENWAIR**, Kontrolmatik strengthened its power in research of anode and cathode material technologies for battery technologies. ENWAIR works on flexible silicon anodes, self-healing anodes, lithium-rich cathodes, various polymer binder solutions and consists of materials engineers and chemists who are competent in their fields and have master and PhD degree on batteries.
- Kontrolmatik Technologies Inc, our 100% subsidiary, signed an OFFTAKE AGREEMENT for the purchase of lithium-ion batteries with Powin LLC, one of the leading energy storage system integrators of the USA, on 06/28/2022. Pursuant to the signed agreement, Powin LLC will purchase 280 Ah 3.2 V battery cells which will be produced with USA-made lithium ferro phosphate (LFP) technology with a total size of 7.5 GWh from Kontrolmatik Technologies Inc within 5 years starting from the second half of 2024 until the end of 2028.
- ***MCFLY ROBOT TEKNOLOGIES INC***, in which we have 75% share, was established and registered with an initial capital of TL 10.0000.000 on 17.10.2022. McFly will operate in the production and integration of all kinds of robots, robot grippers, robot end elements.
- Share Purchase Agreements regarding Pomega's capital increase with İş Portfolio Management Inc and Rubellius Nucleus Investments SARL is signed. İş PMC will inject 21.000.000 USD and Rubllius will inject 2.100.000 USD cash and shareholding ratios will be %10 and %1 respectively.
- As a 100% subsidiary of Progresiva, Nextopia Enerji Üretim A.Ş. was established.

Development Process



2008

Engineering Company

Kontrolmatik begins life as an engineering and automation Company.

2010

System Integrator

System integration capabilities were easy to obtain when the organization knew design and engineering very well. Kontrolmatik offers brand-independent integration solutions.

2014

EPC Solution Provider

A few years later, Kontrolmatik successfully completed many integration projects and it's time to offer complete EPC solutions for power plants and industrial plants.

2016

R&D Center

While designing, integration and construction projects, Kontrolmatik decided to develop its own systems and equipment for a sustainable and green future.

2021

Technology Provider

After years of experience and work, it is time to complete R&D studies and start producing our own solutions.

Kontrolmatik offers solutions to the energy and industrial sectors and knows the market expectations and trends very well.

Kontrolmatik invests in technologies that are the future of markets.

20...

Dissemination of R&D Activities

Kontrolmatik will continue its R&D studies to develop new technologies for a sustainable, carbon-free and green future.

Kontrolmatik Habitat

By completing its current investments, Kontrolmatik will implement a fully integrated Kontrolmatik habitat with its Energy, IoT and Satellite Subsidiaries.

Investment in Technology Factories

With the completion of the Lit-Ion Battery Cell Factory, Kontrolmatik will continue its investments in green technologies.

Strong Management

Board of Directors


Sami Aslanhan
Chairman


Ömer Ünsalan
Deputy Chairman


Murat Tanrıöver
Board Member


Prof. Dr. B. Koray Tunçalp
Independent Board Member


Bikem Kanık
Independent Board Member


Osman Şahin Köşker
General Manager

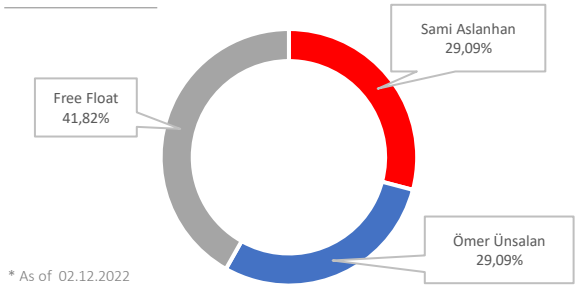

Necmettin Şahin
Deputy G.M.- Operations


Handan Büyükkardeş
Deputy G.M.– Administrative Affairs


Mehmet Ekrem Mıhçı
Deputy G.M. – Production Facilities

- Engineering
- Software & Control Systems
- Communication and Cyber Security
- Finance
- Accounting
- Administrative Affairs
- Supply Chain Management
- Logistic & Global Trade
- Research and Development (R&D)
- Internet of Things (IoT)
- Power Systems
- Turnkey Projects
- Human Resources
- Investor Relations
- Quality HSE
- Sustainability Environment
- Business Development Sales and Marketing
- Factories

Shareholding



* As of 02.12.2022

Organization

250+
Design & Engineering

75+
Production Facilities

75+
Research & Development

35+
Project Management

20+
Administrative Affairs

15+
Accounting & Finance

15+
Business Development

500+
people

Main Sectors

Power Generation, Transmission, Distribution and Storage

With its energy generation, transmission, distribution and storage solutions under a single contract, Kontrolmatik contributes to a more sustainable world while providing efficiency and profit to its customers.

Electric energy, which is one of the biggest needs today, has become a value that should be carefully monitored from production to consumption due to both the gradual depletion of fossil fuels and the problem of global warming. Contributing to the energy supply of countries with its experience in wind, solar, hydroelectric, biomass, biogas, geothermal power plants and simple cycle and combined cycle power plants, Kontrolmatik establishes high efficiency power plants with the latest technology and systems.

Transportation

With its experience in the field of transportation systems, Kontrolmatik realizes turnkey projects and provides services and services to customers in the fields of consultancy, system design, project design, manufacturing, software, field tests, commissioning, training and maintenance.

Ensuring the continuity of energy in the power grid feeding a transportation system and being able to access the control parameters instantly and accurately at the desired time are also very important for the functionality, safety and effective control of the transportation system.

Kontrolmatik, with its experienced and expert staff, determines the needs of the system, establishes the appropriate infrastructure, and ensures the continuity of the business with the services it offers.

Process Industry

Kontrolmatik, which offers end-to-end digital solutions for both conventional systems and digital processes, increases its references in chemical and pharmaceutical, iron & steel, cement, paper, textile, food & beverage facilities day by day. Kontrolmatik produces software, control system, electrification and instrumentation solutions with high added value for industrial facilities and heavy industry establishments at a single point.

Kontrolmatik also offers its customers solutions for production facilities that are more sustainable and have a low carbon footprint. The company designs and commissions plants that produce its own energy in order to combat rising energy costs in global markets and to have more competitive prices.

Mining

Kontrolmatik ensures the selection of the right technologies and products, their correct dimensioning, compliance with environmental conditions and provides turnkey solutions for Electrification, Automation Systems, E-House or LV / MV / DC Panels, HVAC, Driver Motors, Smart Mining & Fleet Management, IoT Solutions, Installation and Field Services.

Thanks to its partners and educated teams, Kontrolmatik offers its customers sustainable, carbon footprint reducer and efficient solutions for mining and other sectors.

Mobile Solutions Factory

Mobile Energy Solutions Factory

One of Kontrolmatik's factories in Ankara produces mobile energy solutions and is designed to serve the sectors in which it operates with a "zero waste approach". The products and solutions produced are sustainable, green and reduce the carbon footprint.

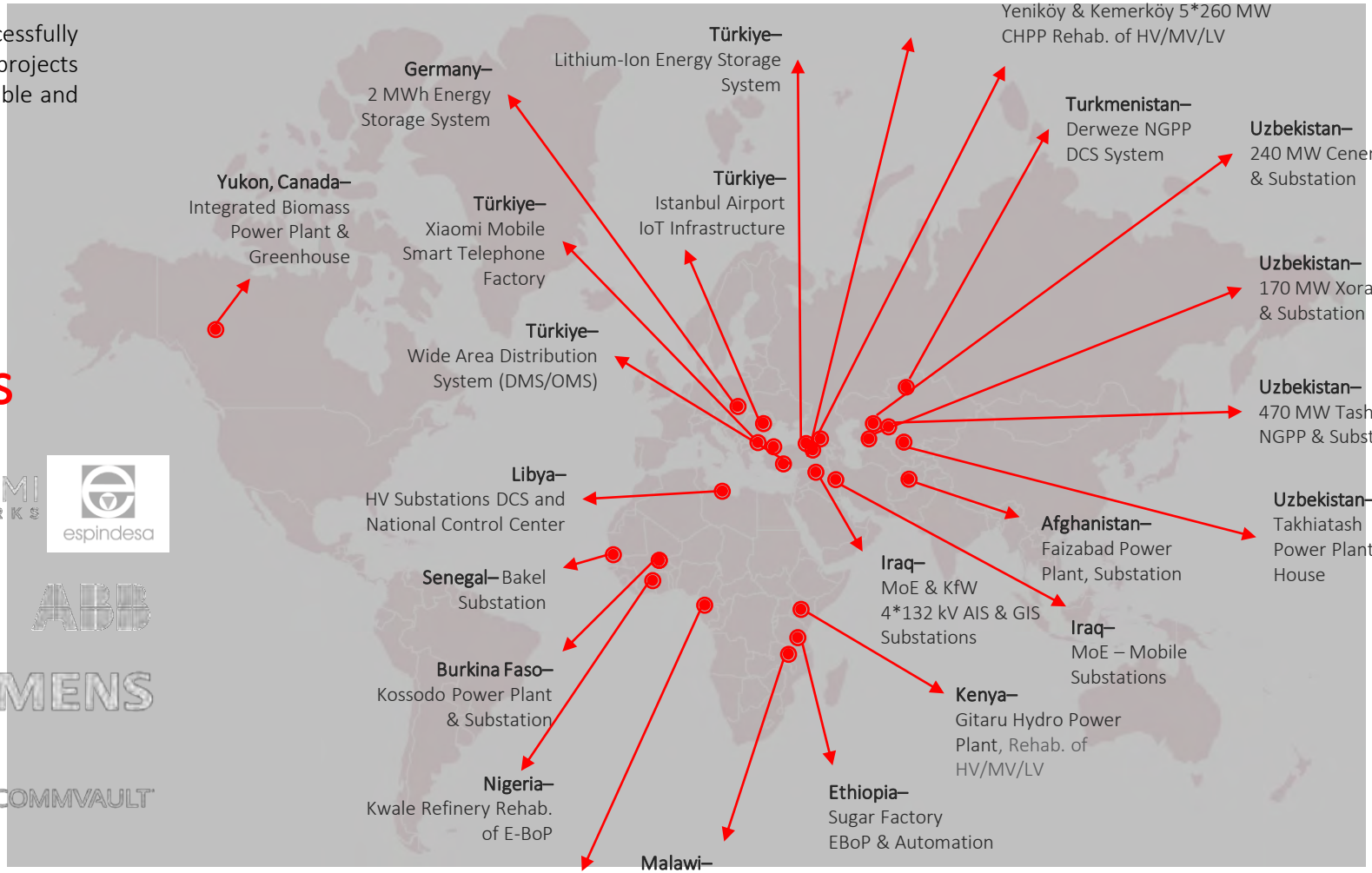
The Mobile Solutions Factory in Ankara, Kahramankazan, built on a land of approximately 8,000 m2 and with a closed area of 4,000 m2, began operations in 2021. The facility provides mobile energy solutions to different sectors in different countries.

The factory manufactures mobile energy generation, transmission and distribution equipment such as mobile substations, e-house, energy storage systems, mobile hybrid power generation units etc. Developing special solutions for projects with its experienced teams, the factory offers turnkey mobile solutions for its customers mostly abroad, from container manufacturing to all electrical and control systems equipment, from ventilation to firefighting infrastructures.

Our solutions, which are the result of many years of experience, are designed to provide maximum service in limited spaces in any environment. Systems designed to operate without any problems for years, especially in harsh conditions such as the MEA and Africa, make a difference in solving instant energy needs.

Some Global Achievements

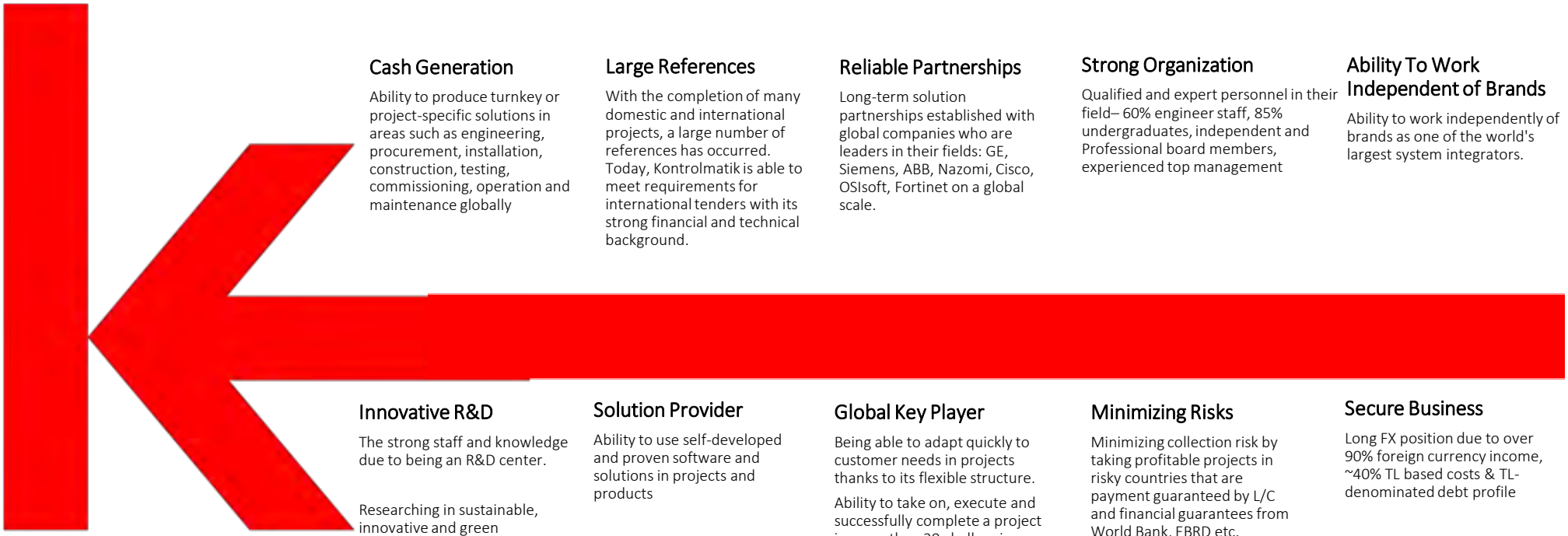
Kontrolmatik has successfully completed more than 300 projects in 32 countries with its reliable and strong partners.



Partnerships

Keys to Our Success

Kontrolmatik has been improving itself since its establishment in 2008. When looking at the history of the Company, it's obvious that Kontrolmatik prepared itself for the future of the world with its penetrations and innovations. Every step of the Company prepared them to become a sustainable technology provider from an engineering Company.



Cash Generation

Ability to produce turnkey or project-specific solutions in areas such as engineering, procurement, installation, construction, testing, commissioning, operation and maintenance globally

Large References

With the completion of many domestic and international projects, a large number of references has occurred. Today, Kontrolmatik is able to meet requirements for international tenders with its strong financial and technical background.

Reliable Partnerships

Long-term solution partnerships established with global companies who are leaders in their fields: GE, Siemens, ABB, Nazomi, Cisco, OSIsoft, Fortinet on a global scale.

Strong Organization

Qualified and expert personnel in their field– 60% engineer staff, 85% undergraduates, independent and Professional board members, experienced top management

Ability To Work Independent of Brands

Ability to work independently of brands as one of the world's largest system integrators.

Innovative R&D

The strong staff and knowledge due to being an R&D center.

Researching in sustainable, innovative and green Technologies since 2016.

Solution Provider

Ability to use self-developed and proven software and solutions in projects and products

Global Key Player

Being able to adapt quickly to customer needs in projects thanks to its flexible structure.

Ability to take on, execute and successfully complete a project in more than 30 challenging geographies.

Global management power as 2/3rds of its projects are abroad

Minimizing Risks

Minimizing collection risk by taking profitable projects in risky countries that are payment guaranteed by L/C and financial guarantees from World Bank, EBRD etc.

Specialization in "Operational Technology Solutions" with high-profit margin in EPC projects

Secure Business

Long FX position due to over 90% foreign currency income, ~40% TL based costs & TL-denominated debt profile

Agenda

Group Structure

Kontrolmatik Technologies

Kontrolmatik Technologies is a System Integrator and Technology Provider. It provides end-to-end digital solutions for Energy, Industrial Process, Mining and Transportation sectors.

Kontrolmatik is ranked 28th in the World`s Largest System Integrators list published by Control Engineering in 2021, becoming one of the youngest companies in the most prestigious list in the industry. It aims to be one of the first ten companies worldwide by increasing this success in the following years.

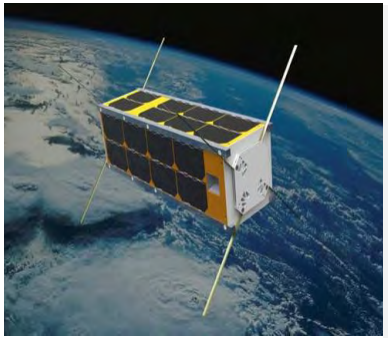
Controlix Internet of Things

Controlix, a brand of Kontrolmatik, is an Internet of Things (IoT) solutions company with more than 40 sensors, cloud software and various hardware.
It is an interactive platform developed by the Kontrolmatik Engineering team that can collect millions of data, perform real-time analysis, and take unattended action. It distinguishes itself in the sector with its own communication infrastructure, plug & play modules and easy management.

Pomega Energy Storage Technologies

Pomega Energy Storage Technologies is the manufacturer of Lithium-Ion Battery Cell and Energy Storage Systems. The factory is located on 100.000 m2 field in Polatlı Ankara, Türkiye.

The first phase, the foundation of which was laid on January 2022, is planned to be opened with a capacity of 504 MWh .With the commissioning of the additional phase by the end of 2023, it is planned to reach a capacity of 1,750 MWh/year, and a capacity of 2,250 MWh/year in 2024.



Plan-S Satellite and Space Technologies

Plan-S Space and Satellite, a subsidiary of Kontrolmatik, is Türkiye's largest private initiative in satellite and space technologies. The Company designs and builds small satellites for low-earth orbit, geostationary satellites for communication infrastructure and offers customers end-to-end Satellites as a Service solutions provider.
In May 2022, the satellite he designed and produced was placed in orbit, and his communication was ensured. In addition, image tests were carried out with cameras integrated into the satellite.

Progresiva Energy Investments

Progresiva Energy Investment, a 95% subsidiary of Kontrolmatik, is active in the fields of innovative and alternative energy investments and energy trade. Within this scope, it will carry out wholesale and retail sales activities in Türkiye and abroad.
Obtained a Supply License from the Energy Market Regulatory Authority (EMRA) to trade electrical energy and/or capacity for 20 years. It has the right to construct an independent energy storage facility with a capacity of 250 MW/1.000 MWh. Wind Power Plant integration is being investigated.

McFly Robot Technologies

Mcfly Robot Technologies, a subsidiary of Kontrolmatik, increased its experience with the first collaborative robot arm prototype it designed and produced, and started the production of the second and third prototypes.

With these robot arms, which will work in cooperation with people shoulder to shoulder, solutions will be provided in a wide range from SME scale to large industrial facilities. It is planned to complete the machine park and start test production in 2023.

POMEGA Energy Storage Technologies

Pomega Energy Storage Technologies is Türkiye's first private sector investment in Lithium Ferro Phosphate ("LiFEPO4") battery cell production facility. Giga Factory, the foundation of which was laid in Polatlı OSB, Ankara on 25.01.2022, is being established on an area of 97.450 m2.

It is planned to commission the first phase with a capacity of 504 MWh/year in April 2023, to increase to 1,750 MWh/year capacity by the end of the year, and to reach 2,250 MWh/year capacity in 2024 with the commissioning of the third phase.

It is planned to employ approximately 250 people with the first phase, and to increase this number to approximately 600 with the commissioning of all phases. With this investment, which will both contribute to energy supply security and reduce foreign dependency, it is planned to use renewable energy plants more in the national grid.

The factory is built on the principles of low carbon emission, zero waste & circular economy and LEED green building. It will operate with the principle of responsible production and consumption towards the goal of being carbon neutral with on-site sustainable practices such as rooftop solar power plant and rainwater harvesting, waste heat recovery system, efficient water use and recovery, drinking water production etc.

Current Developments

- In January-February-March 2022, construction activities could not proceed as planned due to adverse weather conditions, but it is planned to close the delay with devoted work in the following stages and to achieve the progress targets at the end of 2022.
- It is aimed to complete the construction of the factory by the end of 2022, to start the installation of the machine park at the beginning of 2023 and to open the factory in April 2023.
- Factory with "carbon neutral and zero waste & circular economy, LEED GOLD certification target", sustainable infrastructure.
- R&D activities were increased by purchasing 50.1% of ENWAIR company, which carries out raw material development and chemical studies.
- It was decided to establish a production facility with a capacity of 5.000 tons/year to produce LiFEPO4 (LFP) cathode active material.
- The product range has been expanded, and market and technical research on new products to be produced has been completed.
- The sales and marketing teams were expanded, and negotiations were initiated to collect the demands from the market regarding the first productions.
- Share Purchase Agreements regarding Pomega's capital increase with İş Portfolio Management Inc and Rubellius Nucleus Investments SARL is signed. İş PMC will inject 21.000.000 USD and Rubellius will inject 2.100.000 USD cash and shareholding ratios will be %10 and %1 respectively.

Pomega

Future Form of Energy

The fundamental products will be Lithium Ferro Phosphate (LFP) Prismatic Cell and Battery Pack. Under the same factory, Pomega will produce other value-added products based on these initial products. This value-added product range will mainly be sold to industrial companies producing solutions in energy storage systems and e-mobility.

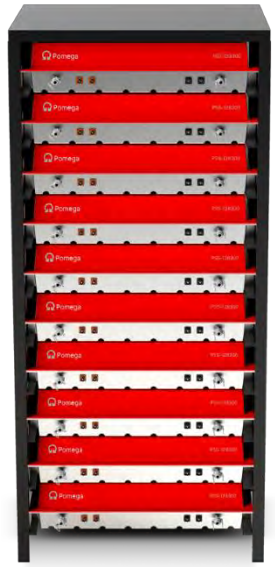
Rack Type LFP Energy Storage, Container Type LFP Energy Storage, Electric & Mobile Vehicle Charging Support Systems, Hybrid Renewable Storage Containers and Stationery Energy Storage products will provide B2B turnkey solutions on energy storage to grid operators, electricity market constituents, industrial clients and companies operating e-charge stations.

Heavy Machine Batteries, External Energy Storage System and Rack Type UPS Batteries are B2C products for relevant markets.

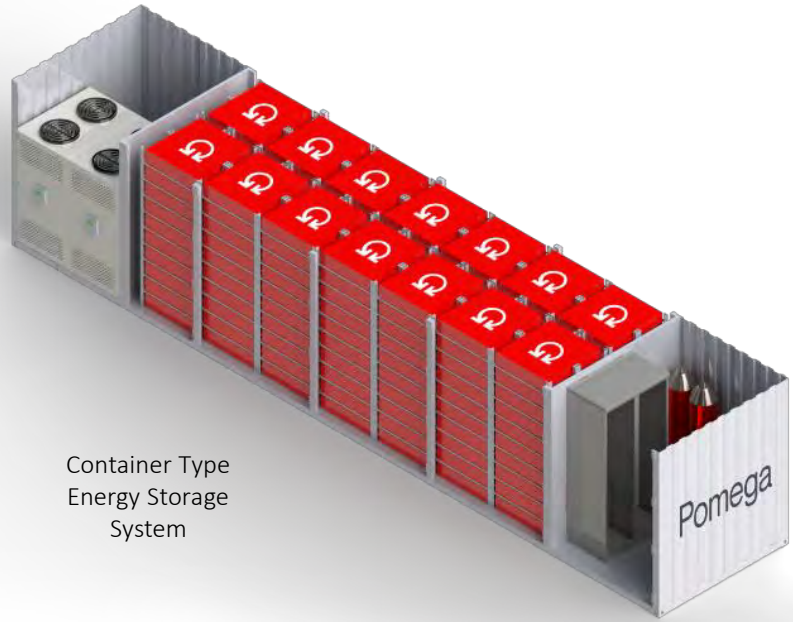
EV Transformation Technologies are intended to provide B2B turnkey solutions to heavy electrical vehicles such as trucks and busses. Lastly, Bidirectional Inverter Solutions are products that can be used for all energy storage systems.

LFP Battery Cell

Battery Module



Energy Storage Cabinet



Container Type Energy Storage System

The Future's Sustainable Technologies

Pomega

Total investment including initial working capital and contingency expenses in the 1st Phase is above USD 60m. 45% of this investment consists of machinery and equipment. 30% related to construction works, electrical & mechanical installation and clean room & special facilities, specific to production requirements. The equipment provider is selected; the contract process, which also includes technology transfer, is ongoing.

All the technical, financial, operational and sales data for Phase 1 have been transferred to a 10-year financial model, on a conservative understanding and assumptions. As a result of the financial analysis, it is planned that Phase 1, which will reach 504 MWh, will start test production in April 2023, and mass production in the second quarter.

Greenhouse Gases and Carbon Footprint Reduction

With it's particular investment, Kontrolmatik will make a significant contribution to economy by expanding and developing renewable energy sources, and also increasing reliability, variation and power quality in distribution systems.

At the same time, it will give individuals the freedom and right to choose their energy source, whereas sustainable like renewable energy sources, both at national grid or at household scale.

It will avoid the demand for fossil fuels causing immense greenhouse gas and carbon emissions by integrating with the widespread hybrid power plants every day. Thus, will enable to increase the use of more renewable energy sources, so will help to reduce the environmental pollution caused by greenhouse gas and carbon emissions.

Clean Energy Access Right and Compliance with the Green Deal

Energy storage systems having active role in development of renewable energy sources, will play a precedent and pioneering role in the development of the green transformation targeted by Europe's Green Deal Action Plan.

'Kontrolmatik' aims to increase the use of clean energy by 2030 and provide more Clean Energy Access right to the communities by storing Renewable Energy and enabling it stable as 24/7.

Household Energy Storage Systems

Pomega

With Pomega home energy storage systems, consumers will be able to store the energy produced from solar power plants that they will install on the roofs of their homes or in the parking areas, in idle times, and reuse them when needed. In this way, the needs will be met with the energy stored when the sun is out, even when the sun goes down.

Power Plant Type Energy Storage Systems

Pomega

The green energy produced in wind or solar power plants will be stored in Pomega energy storage systems, and cities will continue to be illuminated with Pomega when the wind subsides or the sun goes down.

From battery cell to battery and energy management software, from storage cabinets to container manufacturing, Pomega provides an integrated production at a single point.

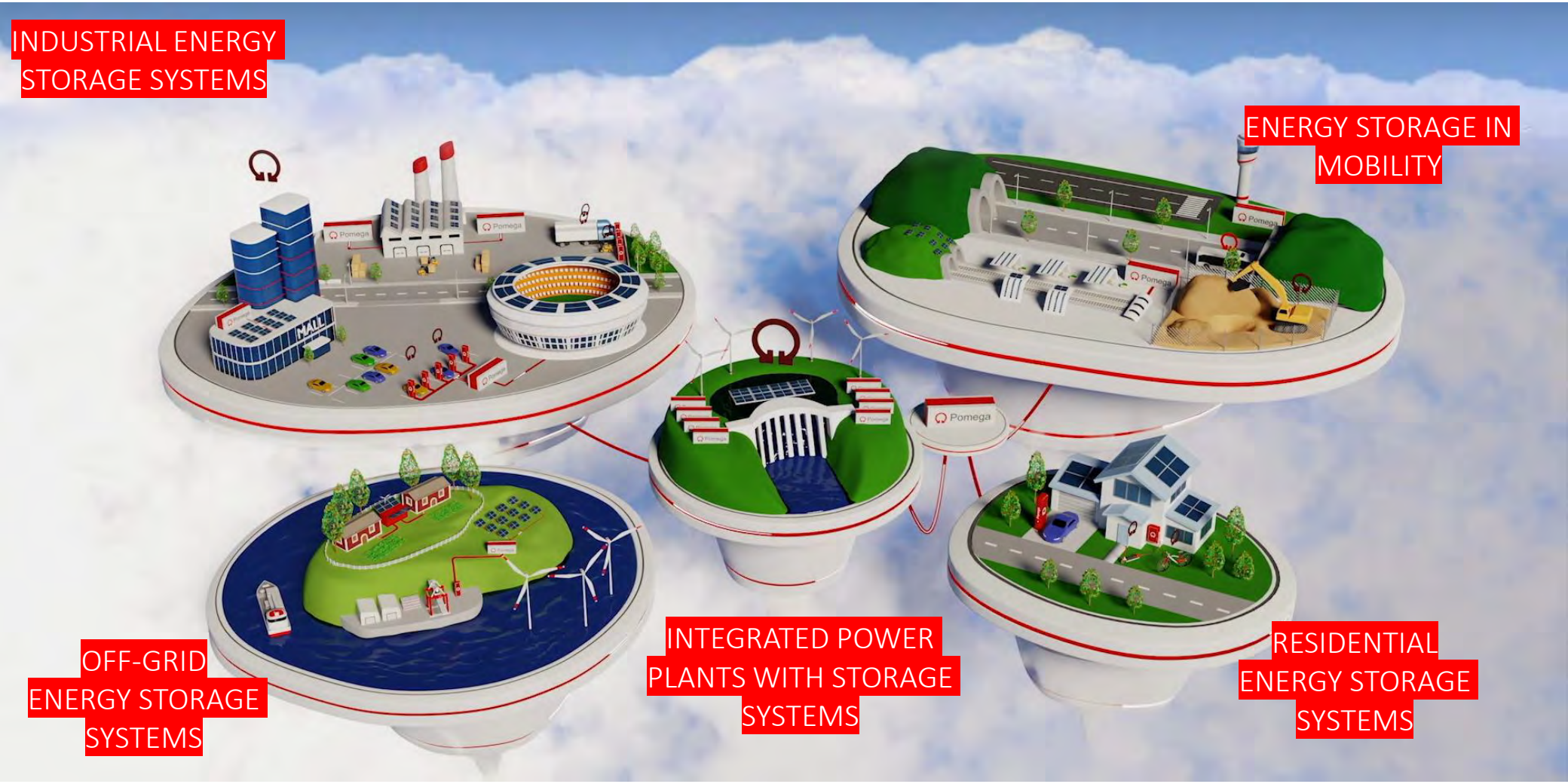
Industrial Type Energy Storage Systems

Pomega

We know that industrial facilities cannot tolerate power cuts or fluctuating energy infrastructure. With the industrial energy storage systems we have developed, we will provide an uninterrupted and higher quality energy infrastructure to the factories. In this way, they will be able to focus on their production and export more without worrying about energy cuts or fluctuations.

FUTURE FORM OF ENERGY

Pomega



Energy Storage Market Developments in Türkiye

According to the regulation changes published in the Official Gazette on 19 November 2022, companies that undertake to establish an energy storage system were granted the right to obtain a Wind Power Plant (WPP) or Solar Power Plant (SPP) pre-license. Some of the changes made in different regulations;

- *In addition to the provisions specified in this article, in case of a pre-license application within the scope of the electricity generation facility with storage;*

  a) The ratio of the electrical installed power of the electricity generation facility based on wind or solar energy to the installed power of the electricity storage unit, which is committed to be established, is maximum 1.,

  b) Applications must have a minimum installed power of 20 MWe for wind energy and a minimum installed capacity of 10 MWe for solar energy and must not exceed 250 MWe.,

  c) The ratio of the promised electricity storage capacity to the installed power of the electricity storage unit should be at least 1,

  ç) It is obligatory that the promised electricity storage unit is within the boundaries of the power plant area subject to the application.

- *As of the effective date of this article, if the legal entities holding a supply license, whose license is eligible to include a stand-alone electricity storage facility, apply for a pre-license within 3 months from the effective date of this article, in order to establish an electricity generation facility with storage, the granted positive connection opinions for the said independent electricity storage facilities are also valid for associate degree applications to be made by these legal entities. However, the capacity to apply for associate degree applications is covered by each supply license.;*

  a) Cannot exceed the installed capacity of which positive opinion is given for detached electricity storage facilities of 250 MW or less,

  b) Cannot exceed the total capacity to be found by adding the capacity corresponding to half of the total installed capacity with positive opinion that exceeds 250 MW power, to 250 MW for storage facilities over 250 MW. The capacity applicable to associate license applications within the scope of this paragraph cannot exceed 500 MW in any case.

In short;

After these changes, published on November 19, it was shared with the public that more than 900 applications with a total capacity of 60 GW were made until the end of November.

To summarize; Investors who want to build a Wind or Solar Power Plant will be entitled to get a pre-license to build a WPP or SPP if they make a commitment to build an energy storage system.

Again, as stated in the relevant regulations, it is obligatory for the energy storage systems to be commissioned first and to be approved by the Ministry for the commissioning of WPPs or SPPs.

Pomega in America!

Pomega Energy Storage Technologies Inc.

In line with the work done so far and the OFFTAKE AGREEMENT for the purchase of 7.5 GWh lithium-ion battery cells with one of the world's largest energy storage system integrators, It is decided to establish a company in order to establish a battery cells, battery packs and energy storage systems production facility with 3GWh/Year capacity in USA.

The initial capital of the company is decided to be 40.000.000 USD and efforts have been initiated to complete the works for that;

- Kontrolmatik Teknoloji Enerji ve Mühendislik will contribute 16.000.000 USD,
- Kontrolmatik Technologies Inc. will contribute 5.600.000 USD,
- Pomega Enerji Depolama Teknolojileri A.Ş. will contribute 4.000.000 USD to the capital of Pomega Energy Storage Technologies Inc

It is decided to apply for the incentives provided in the USA in the company's field of activity and in this context It was decided to make the necessary applications to benefit from the credit and to follow the processes for Battery Cell Production: 35 USD/kWh, Battery Pack production: 10 USD/kWh within the scope of the Inflation Reduction Act (IRA) approved by the U.S. Congress on 16/8/2022.

The result of the state-based application for the city where the production facility will be established is awaited, and it is aimed to provide maximum contribution with state supports.

IRA production incentives (total 45 USD/kWh) will continue until 2030, ending in 2032 with annual reductions of 25% on and after 2031. In this context, it is planned to benefit from approximately USD 900.000.000 federal incentives until 2032.

Highlights;

- Establishment of Pomega Energy Storage Technologies Inc in Dec. 2022,
- Integrated factory investment is approximately 290 M USD,
- 50.000 m2 closed area,
- Projected capacity is 3 GWh/year,
- Lithium-Ferro Phosphate technology,
- Battery Cell, Battery Module and Energy Storage Systems,
- Know-how transfer from Pomega TR,
- Giga Factory, which is environmentally friendly and has a "Zero-Waste" production principle,
- Finance model; Equity + Partnership + Credit,
- Target Market; America Continent,
- 7,5 GWh pre-order deal

Progresiva Energy Investments

The lithium-ion energy storage facility with 1,000 MW-hours of energy storage capacity, which will contribute to the security of energy supply and the development of alternative energy systems, will be a first in its field in Türkiye and one of the few applications in the world.

Highlights of the 250 MW/ 1.000 MWh Energy Storage Facility in Istanbul

- Located in İstanbul, Türkiye.
- Planned for Q3 2024 completion.
- The first and biggest on-grid energy storage facility in Türkiye.
- Connection power of 250 MW and a total energy storage capacity of 1,000 MW-hours.
- Connection to the national grid via a 400 kV GIS Substation, will be able to reach a storage capacity of 1000 MW-hours with a total of 4 hours of storage. The facility will also be able to instantly supply energy to the grid with a maximum capacity of 250 MW or store it from the system to the battery group.

Progresiva

Progresiva Energy Investments Inc, a 100% subsidiary of Kontrolmatik, for the purpose of wholesale and retail sales activities in Türkiye and abroad, as well as the establishment and operation of an electricity storage facility; It is engaged in the establishment of related facilities, the operation and rental of established facilities, and the trade of electrical energy. The company is engaged in wholesale, retail sales, import and export activities within the framework of the legislation related to trading electrical energy and/or capacity in accordance with the relevant legislation regarding the electricity market.

While the contribution of renewable energy plants to total generation continues to increase day by day, the grid-scale energy storage facilities of Kontrolmatik will contribute to the creation of a more stable and sustainable network by storing and distributing this energy. The system, which will combine hardware, software, installation and service in a single integrated system, will also reduce life-cycle costs and provide reliable energy for national infrastructure and new power plant investments.

Designed to provide low-cost, high-density grid-scale solutions at GWh scale, the Detached Energy Storage Facility will be able to be monitored and controlled 24/7 remotely, by providing the solutions needed by the grids with fully integrated battery modules, inverters, battery and energy management systems. At the same time, the facility, which will automatically analyze the service needed by the network with its Progresiva advanced software, will automatically respond to the incoming demand by determining the most efficient, scalable and secure usage for the network.

Obtained a Supply License from the Energy Market Regulatory Authority (EMRA) to trade electrical energy and/or capacity for 20 years.

With the regulation changes published in the Official Gazette on November 19, the right to apply for the independent energy storage system license belonging to Progresiva, in order to obtain a pre-license for a Wind or Solar Power Plant with an installed capacity of up to 250 MW has been granted. Wind power plant installation potentials in the region are being investigated.

Controlix IoT Solution Provider

Kontrolmatik has been providing solutions for a digital industry for years and has completed many successful IoT projects. At IGA Istanbul Airport, the largest facility Management IoT solution is completed.

Highlights of the Future of the World

- More than 40 sensors and products and own cloud software,
- Strong market knowledge for industrial facilities, power plants, transportation and smart cities,
- Serving current customers and sectors.

Controlix is an Internet of Things (IoT) company with both cloud software and hardware with more than 25 sensors. It is an interactive platform developed by the Kontrolmatik Engineering team that can collect millions of data, perform real-time analysis, and take unattended action. The Enhanced Platform has been designed in a modular manner, enabling monitoring, management and analysis of collected data in big data environments to create business value.

Solutions that contain more than one communication protocol are easily adaptable to many projects that will provide flexibility. It also has many reporting modules that can collect and store data in different data sources.

Environmental Monitoring is the most useful application of IoT. Controlix has advanced and innovative sensors that provide monitoring and control of environmental and social impacts from all anthropogenic activities such as water and air quality monitoring, water and energy leakage and efficiency monitoring, gas and odor detection, ambient air quality, dust and particles, humidity and flame.

Controlix, with its modules working with low carbon emission without the need for stable energy, enables institutions and organizations to easily perform impact analysis management based on accurate data by monitoring all environmental and social impacts of their activities, and ultimately to generate responsible production and consumption. At the same time, with the easy integration feature of the modules, it enables organizations to easily reach their sustainability goals by reducing their environmental and social impacts arising from their activities.

2023 — **Controlix Spin-off**

R&D and Production facility in Türkiye for Datacenter & IT investment

Opening branches in the USA and Europe

2024 — **Market Development**

New R&D Lab and office to the USA

Branches in Taiwan and South Africa

Production facility in Ankara (1 M units/month)

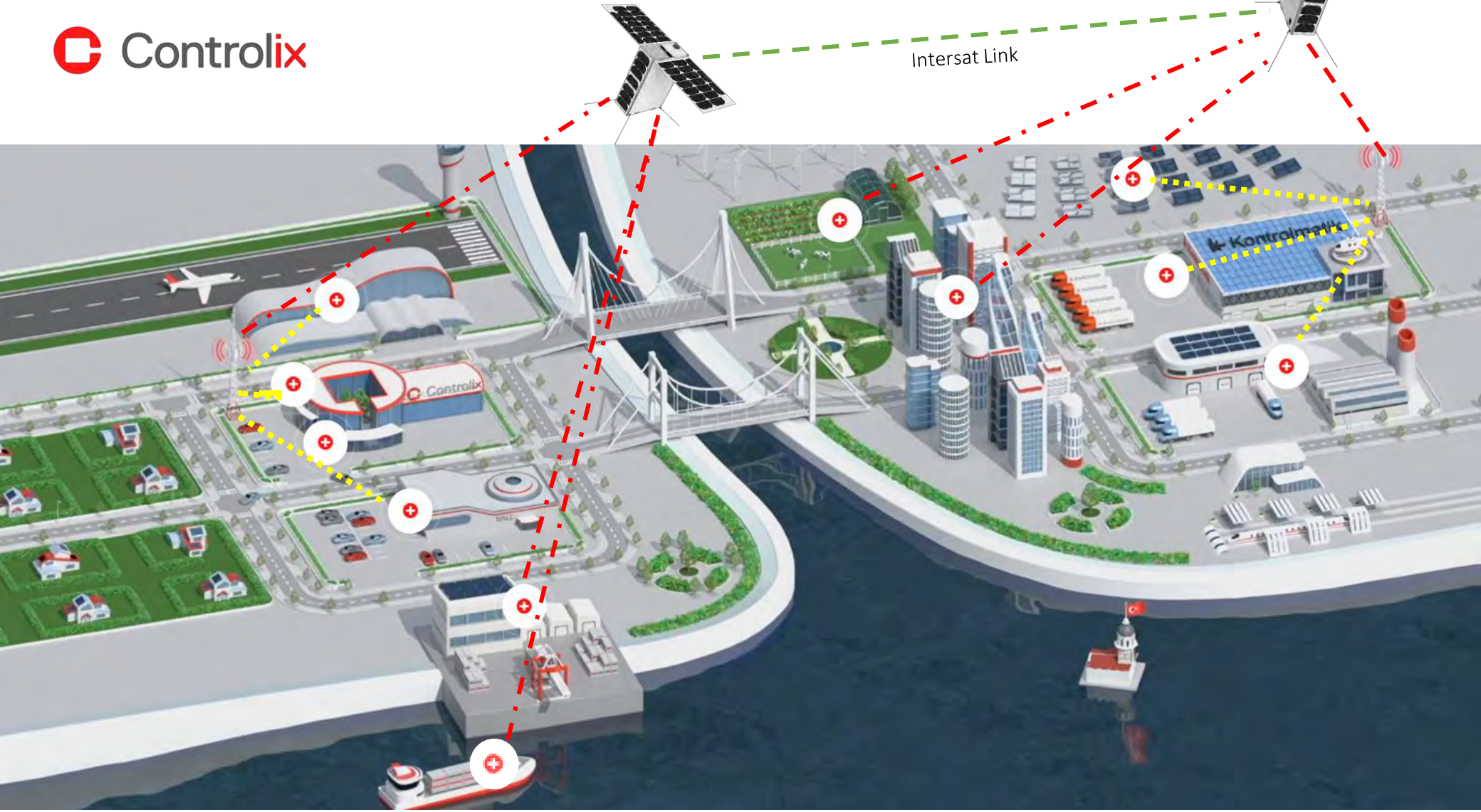
Gateway Design and Production

2025 — **IPO**

IPO on Nasdaq in 2025

New branches in different regions

Controlix



Controlix









SMART CITY

- Remote water electricity and gas meter reading,
- Smart municipality,
- Landscape areas irrigation management,
- Park Gardens management,
- Energy efficiency,
- Lighting management,
- Parking Areas Management,
- Garbage tracking and optimization,
- Predictive maintenance working with engine power,
- Manhole covers tracking,

FACILITY MANAGEMENT

- Energy Management,
- Air conditioning management,
- Meter reading,
- Lighting management,
- Personnel tracking,
- Waste management,
- Management of landscape areas,
- Wet Floor Monitoring, (liquid soap dispenser, napkin holder, siphon, urinal, pollution with odor)
- Ambient temperature humidity monitoring of private rooms,
- Object tracking,
- People counting solutions,

INDUSTRY 4.0

- Mes integration,
- Machine monitoring Predictive maintenance,
- Production Instant Tracking,
- Machine-Personnel management,
- Resource management, (water, electricity, gas)
- Warehouse area tracking,
- Assembly-Ancillary equipment management,

SUSTAINABILITY

- Water resources consumption tracking
- Energy resources consumption tracking
- Waste tracking
- Air quality monitoring
- Fire detection monitoring of forests
- Environmental conditions monitoring
- Irrigation systems monitoring
- Temperature and humidity monitoring
- Instant weather tracking stations

OTHER SECTORS

- Glucometer and remote temperature measurement,
- Poultry tracking solution, poultry, egg production,
- Cable production tracking,
- White Goods production follow-up,
- Retail remote management and monitoring,
- Energy distribution stations,
- Hospital management,

Current Developments

Controlix

- It is planned to deliver 1.000 orders for a water meter module from a municipality,
- Started a remote meter reading project pilot trial for a municipality in Germany,
- Energy tracking process pilot study for the US System Integrator,
- 50 movable emergency buttons were delivered to a hospital belonging to the Ministry of Health,
- A smart coop project was carried out in the poultry industry. Pilot applications are being completed. It is planned to order 50.000 modules for 800 poultry houses this year,
- Follow-up is carried out with a municipality to measure the overflow of the canals.
- Instant fall fainting and location detection projects are being carried out for 5.000 personnel of a food manufacturer ,
- Management of 25.000 street lighting projects for a municipality with wireless sensors,
- Installation of tracking and management system for 6.700 vehicles for Mobility company,
- Remote irrigation system monitoring system installation for an enterprise operating in the field of agriculture,
- A personnel tracking project is being developed for earthquake response teams under debris after a possible earthquake,
- Modules to support building automation systems are being developed,
- Developed modules for charging units and remote monitoring of electric vehicles,
- Developed a Lora beacon that can collect local data and send it to the Wan side,
- «Solution Partnership» program was launched with dealership channel in Türkiye,
- Distributor «Solution Partnership» program abroad was launched,
- 6.700 sensor orders were received from our existing customers for facility management and monitoring,
- An order was received from a municipality for a pilot implementation of 1.000 meter modules,
- Stray animal tracking product is being developed,
- A pilot smart city project is being developed in a European city.

Plan-S Satellite and Space Technologies

Plan-S Satellite and Space Technologies, which was established to develop satellite and space technologies, design and manufacture unique systems, subsystems, and units in this field, and provide various services on a global scale, especially satellite-based Internet of Things (IoT) services, started its activities in 2021.

Highlights

- The tasks of developing satellite mission computers, communication subsystems, and ground interfaces and verifying these studies are carried out by Plan-S.
- Plan-S will create a satellite constellation that communicates with each other and with ground stations in a coordinated manner.
- Plan-S will provide internet of things (IoT) communication and earth observation service with a satellite constellation system with more than 100 satellites.
- Plan-S' satellite systems are ready to set up a ground network with Controlix sensors and software.

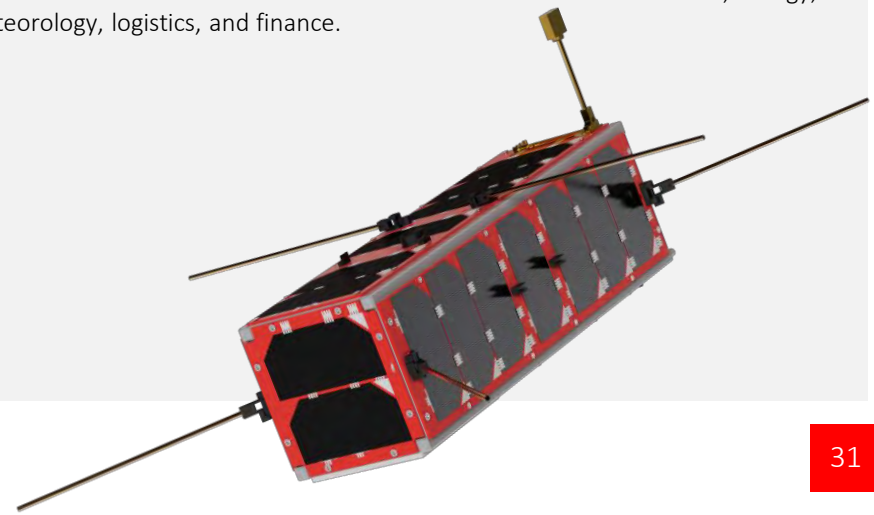
Türkiye's first commercial communication test satellite is in orbit!

Plan-S, 25% subsidiary of Kontrolmatik, completes the investment required for satellite and space studies with its own equity. The majority of the remaining 75% shares belong to Sami Aslanhan.

The first satellite, Connecta T1.1, was launched from the Cape Canaveral Kennedy Space, Florida as part of the “Transporter-5” mission with the “SpaceX Falcon 9” rocket on May 25, 2022. It has been a significant step towards its goal of becoming an international player.

Thanks to the dedication, belief in success, vision, and agility of the Plan-S team, a breakthrough was achieved, and the design, development, production, and testing processes of the first satellite Connecta T1.1 were completed in less than 8 months.

Plan-S will serve the needs of its customers in sectors such as maritime, energy, meteorology, logistics, and finance.

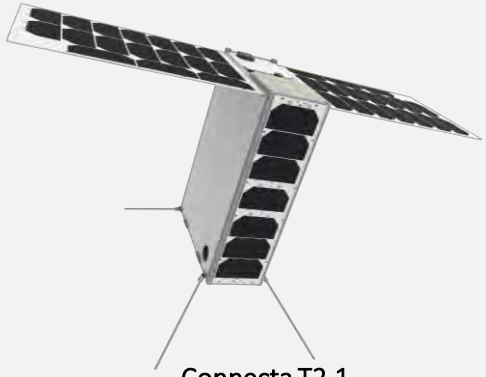


Plan-S Satellite and Space Technologies

Aiming to be Türkiye's leading R&D Center in space and satellite technologies, Plan-S will offer end-to-end and turnkey competitive solutions in its field. Plan-S will operate in Bilkent Cyberpark in 2023 in an R&D building with an area of 5,500 m^2 and a capacity of 300 people. In addition, a production and integration facility area will be 1,500 m^2.

Connecta T1.1
Mission: IoT Communication
Launch: 25 May 2022

Connecta T1.2
Mission: IoT Communication
Launch: December 2022



Connecta T2.1
Mission: Earth Observation
Launch: February 2023

2022 4Ç

Connecta T1.2 Test Satellite

- Testing the developed hardware in space environment
- Conducting communication tests with the ground station
- Testing of software-based, mission-in-orbit satellite system

2023 1Ç

Connecta T2.1 Test Satellite

- Viewing with high and low-resolution cameras
- Assessment of images with image processing
- Testing the developed hardware in a space environment

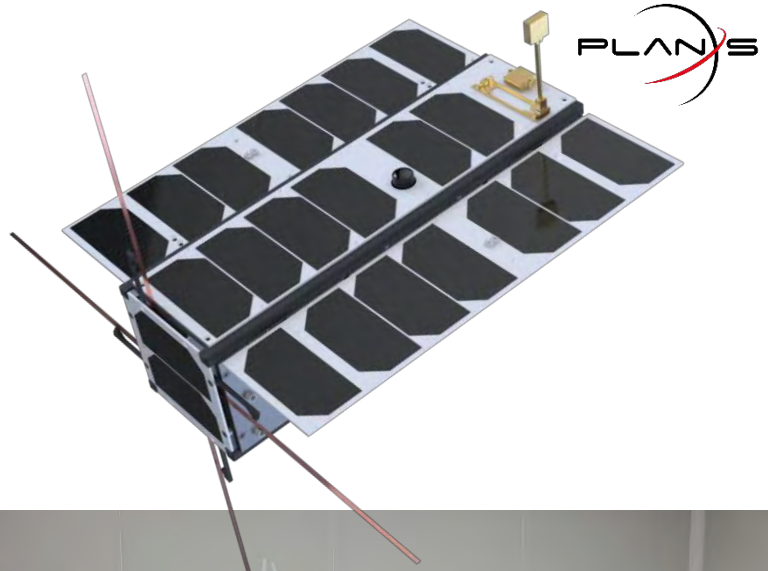
2023 2Ç-4Ç

Connecta Commercial Satellites

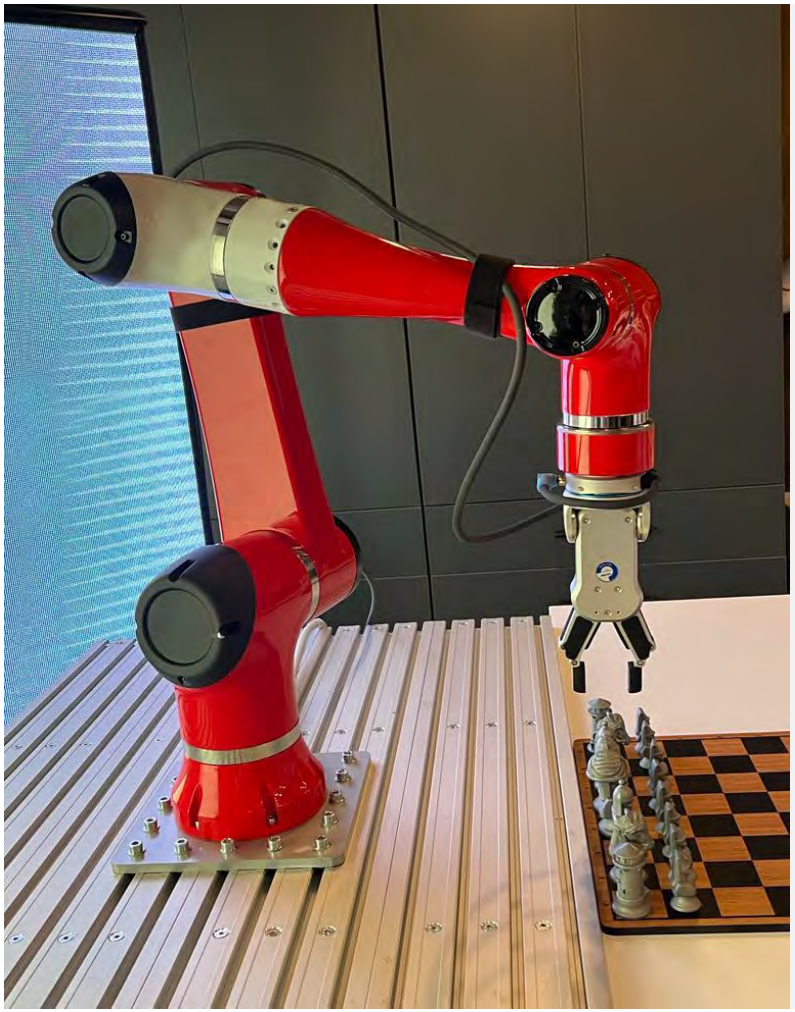
- Launch of the first group of satellite constellation
- A large number of IoT satellites covering Türkiye and its immediate surroundings
- Providing narrowband IoT communication
- Ensuring direct communication between satellites
- Obtaining ground observation competence
- Providing imaging with high-resolution cameras

Highlights

- Having successfully completed the launch and activation processes of Türkiye's first commercial satellite, Connecta T1.1, Plan-S provided mutual data transfer via satellite, took pictures with the camera integrated into the satellite, and traveled more than 100 million kilometers around the world.
- Following Connecta T1.1, Plan-S completed the design, testing and integration processes of the new test satellite Connecta T1.2. Connecta T1.2, which will be launched with the SpaceX Falcon 9 rocket in December, will be a satellite where test studies on IoT communication will be carried out. With Connecta T1.2, communication tests will be carried out with thousands of IoT devices around the world.
- During the Connecta T1.1 and Connecta T1.2 studies, the design and production of more than 40 electronic cards integrated into the satellite were carried out by Plan-S.
- Plan-S continues to invest in technical infrastructure such as clean rooms and laboratories in order to expand its operations in the future.
- In addition to the IoT communication satellites, Plan-S has also started to work for the Connecta T2.1 satellite, which is designed for observing the areas on Earth from space,.
- In Plan-S's roadmap for the near future, there are plans to send IoT satellites, earth observation satellites and the first phase of constellations with transmission missions to be realized with SpaceX Falcon 9 rocket.



Mcfly Robot Technologies



Technologies That Will Become the Hands of the Industry!

Mcfly Robot Technologies, a subsidiary of Kontrolmatik, increased its experience with the first collaborative robot arm prototype it designed and produced, and started other prototype production works.

With these robot arms, which will work in cooperation with people shoulder to shoulder, solutions will be provided in a wide range from SME scale to large industrial facilities. It is planned to complete the machine park and start test production in 2023.

The production quality is even higher with collaborative robot arms that have a carrying capacity of between 5 kg and 20 kg, can work side by side without being isolated from people, and can repeat the same movements thousands of times with high accuracy.

A collaborative robot (cobot) is a robot that allows humans to work alongside the robot through direct interaction without traditional guard fences. Some of the benefits of direct human interaction with cobots include:

- Safe execution of complex tasks
- High production quality
- Intuitive and user-friendly teaching and programming of cobots

Delta and Cartesian robot studies will also be carried out after the mass production of collaborative robot arms developed with more than 20 expert employees. Mcfly Robot, which designs and manufactures gripper parts by itself, will be an indispensable companion not only for large industrial facilities, but also for SMEs that aim to produce for international markets.

Mcfly Robot Technologies

March 2024 — First Order Deliveries

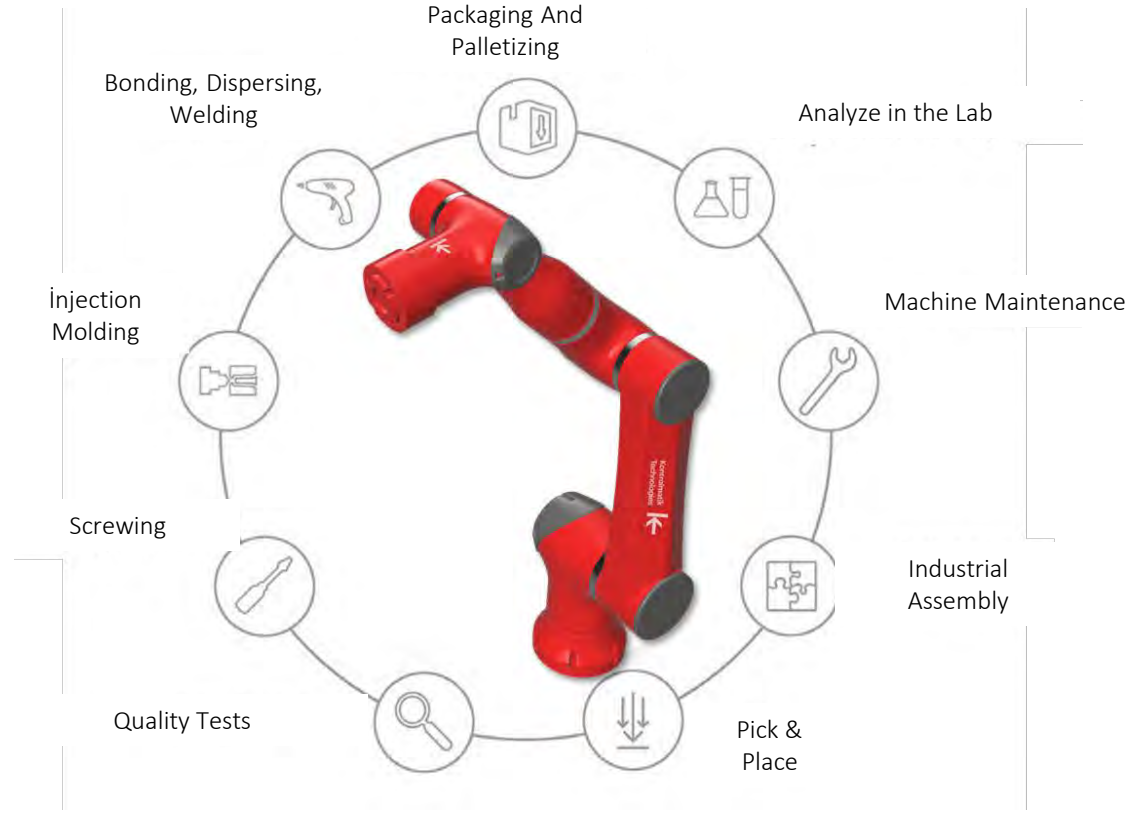
January 2024 — Mass Production Beginning

October 2023 — Test & Certification

August 2023 — Starting Test Productions

June 2023 — Installation of Machine Park

February 2023 — Completion of Mass Production Prototypes



Kontrolmatik R&D Center

Since 2016, the R&D center has been focusing on energy storage solutions, IoT, collaborative robots and renewable energy solutions. These studies will reduce foreign dependency in critical sectors and bring competitive advantage to the country and the Company.

Floating Platforms for Solar Power Plants

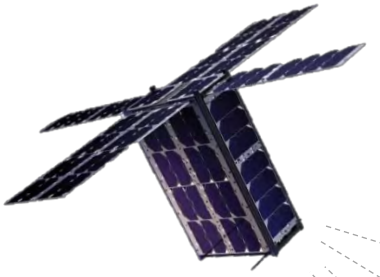
Kontrolmatik uses its deep-rooted engineering experience with innovative approaches and continues its renewable energy system studies within its R&D center. With an aim to develop efficient, reliable and economical products and services that will reduce Türkiye's dependence on foreign sources and meet the needs of stakeholders in the global market, in all energy systems sub-headings covering the fields of electricity generation, transmission, distribution, consumption and management.

Kontrolmatik focuses on renewable energy systems for this target and carries out studies to provide system solutions covering R&D, design, production, integration and after-sales support. In this context, studies on floating platforms that can be used in floating solar power plant projects continue. Prototype design, aero-hydrodynamic performance research and structural analysis of the studied products have been completed. The first prototype was floated at the facility in Ankara, and it is aimed to reduce the machine design and assembly steps of the metal structure to the optimum time, which will shorten the production time of the floaters.

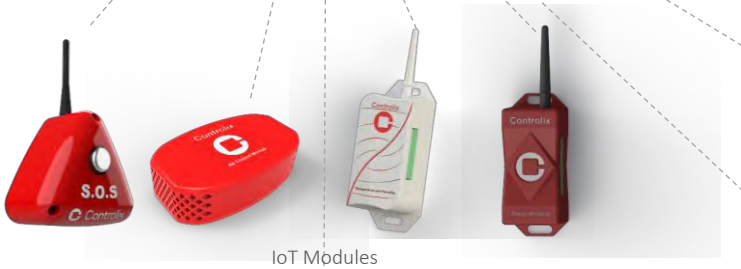
Kontrolmatik R&D Center – Ongoing Activities

- Design and development activities of direct current based Lithium ion battery packs
- Monitoring The Battery Management System (BMS) and the Energy Management System (EMS) with native and unique management system software.
- Enhancements to the EMS system for automatic reporting of scenarios related to volatile electricity prices with artificial intelligence (AI)
- Large-scale energy storage solutions design and modeling studies,
- Management System Interface Studies, Web interface, mobile interface and scada systems development,.
- Developing energy storage solutions for the needs of industrial facilities, taking into account the scope of service, optimizing the electricity price, load shifting, reducing demand, improving electrical parameters, meeting sudden demands and renewable energy support,
- Studies for network problems encountered in electricity distribution and transmission,
- Portable battery systems in standard ISO container scale,
- Developing solutions for renewable energy facilities that can balance their production with energy storage systems for peak production and production imbalances,
- Energy storage support enhancements for large-scale vehicle charging station systems,
- Studies on Lithium-ion-based production of standard vehicle and starter batteries,
- Opportunities to work together with TÜBİTAK and Tübitak Rute in particular for the Hamle application,
- Studies to produce experimental pouch cell with commercial LFP powder,
- Our studies on material characterization continue and studies for the examination of commercial raw materials.

We Create a Healthy Ecosystem For a Sustainable, Carbon-Free and Livable Future



Communication Satellite



IoT Modules

Residential Energy Storage Systems

Li-Ion Battery Cell

Li-Ion Module

Li-Ion Rack Cabinets

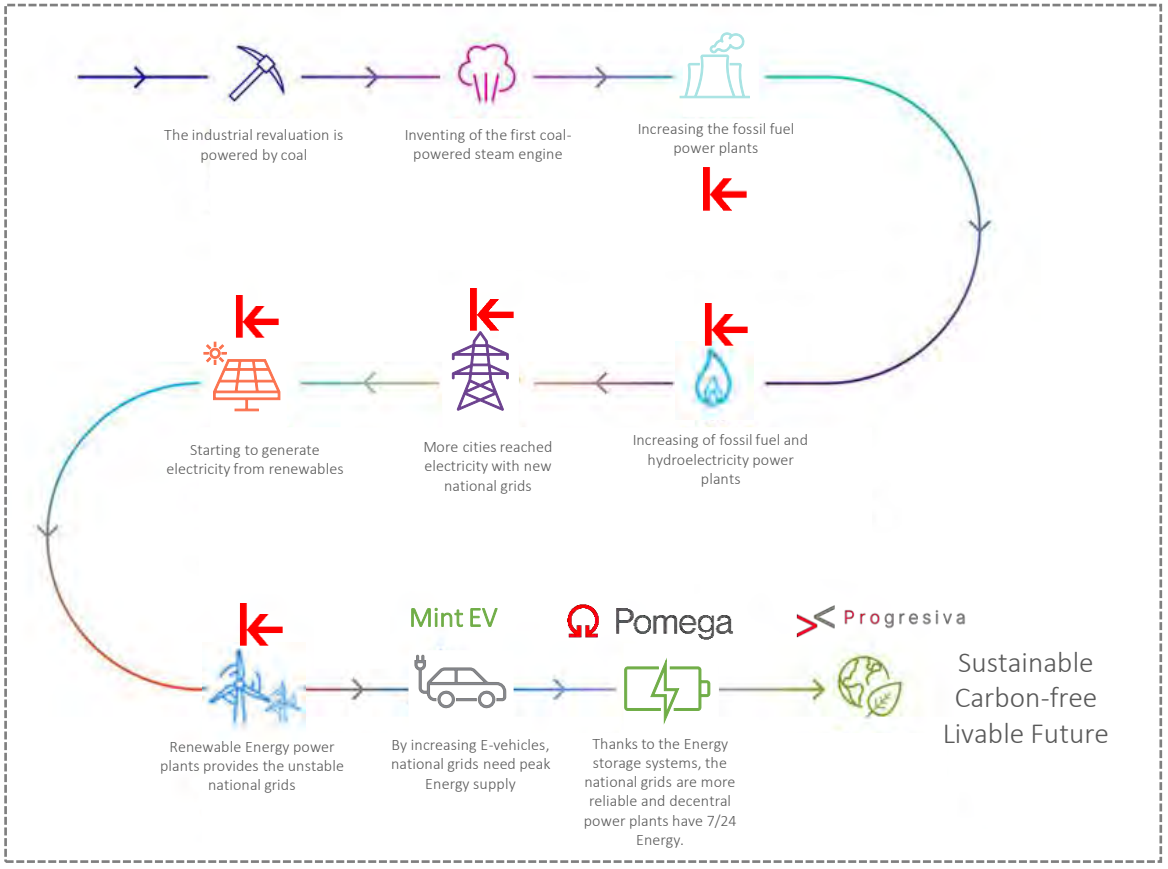
Mobile Substation

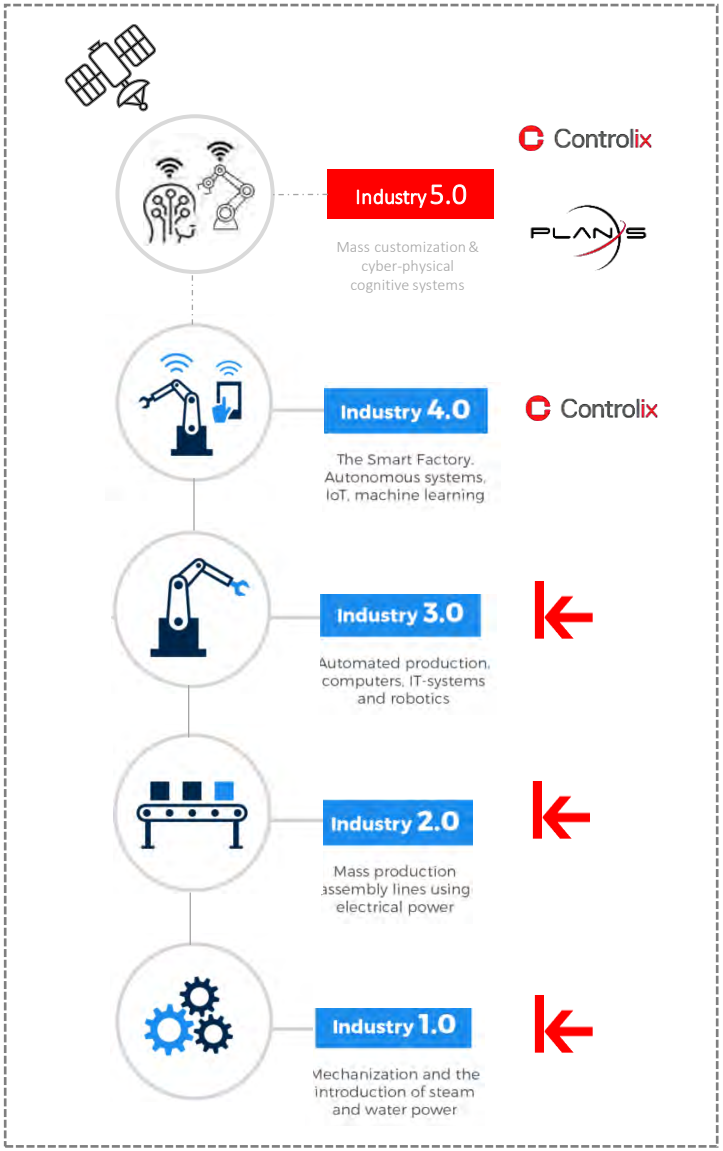
Energy Storage System

Mobile Hybrid Power Generation Unit

Horizontal & Vertical Integration

Kontrolmatik signs contracts for international projects from its core business and generates cash and profits to use for R&D activities. The Company has been thinking about the future of the World and its aim is to create a sustainable, carbon-free and livable future thus it invests in the future of technologies with its subsidiaries.





Agenda

Sustainability Approach

KONTROLMATIK, commits to providing more accessible clean energy and water for societies, protecting the biodiversity of our planet, improving the ecosystem and creating a more livable world for all living things, in line with the principle of responsible production and consumption, with its Sustainability Governance Strategy PLANEARTH.

Since its establishment in 2008, it has a bold mission to provide the most up-to-date sustainable, transparent and innovative solutions that will enable its customers, partners and stakeholders to reach the final sustainable solutions.

For this reason, it feels responsible for adopting and applying a 360° Holistic Sustainability Approach in its business and collaborations and for making all of their stakeholders adopt this approach.

It aims to continue R&D studies that will give the opportunities for sustainable, transparent and innovative works for the ever-growing planet.

Environment, Social, Governance

KONTROLMATIK adopts a holistic and transparent Sustainability Governance. It comprehensively evaluates and manages the Environmental and Social impacts, risks, and benefits arising from its business activities 360°. Within this management process, it communicates with all its internal and external stakeholders in an effective and transparent way.

Ultimately, it transparently measures the performance of all its activities by environmental, social and governance aspects and declares publicly. Briefly, the Sustainability Governance of Kontrolmatik comprises impacts and management of environmental, social and corporate governance of all business activities holistically as 360° degree, their integration with each other and communication of the result of these holistic integration with its internal and external stakeholders transparently and continuously by all negative and positive aspects.

Kontrolmatik announced its score for Sustainability Governance performance in August.

- The ESG Performance Score (Environmental, Social and Management) is 7.95 out of 10, with an A- on the letter scale (TÜV SÜD).
- The Corporate Sustainability Score is 7.79/10, (TÜV SÜD).

Sustainability Commitments and Goals

Source : THE 17 GOALS | Sustainable Development (un.org)

With their core philosophy of Diversity, Inclusion and Equality, Kontrolmatik contributes to number of "2030 Sustainable Development Goals (SDG)" determined by the United Nations Global Compact directly and indirectly by its sustainable technologies and services.

As of the 2nd quarter of 2022, within the membership of UN Global Compact Türkiye, it has started to work actively in working groups for the following 4 global Sustainable Development goals:

- Accessible and Clean Energy (SDG 7)
- Responsible Consumption and Production (SDG 12)
- Gender Equality (SDG 5)
- Partnership for Goals (SDG 17)

As of August 17, 2022, Kontrolmatik has become a signatory to the Women's Empowerment Principles (WEP) established in partnership with the UN Global Compact and the UN Gender Equality and Women's Empowerment Unit (UN Women).

It works with the aim of making women more effective and visible at each competency level locally and globally, and also strives for strengthening women workforce by enabling their participation at the highest level in business life.

It plans social responsibility and partnership projects with local and global Non-Governmental Organizations in order to empower women in society, to make their welfare sustainable and to increase the visibility of their place in community.

With the priority where it operates, Kontrolmatik develops inclusive projects that introduce women and young girls with technology, for whom living in disadvantaged regions and communities. Within, it aims to achieve continues business growth by adding more “sustainable women workforce” to it’s business.

Sustainability Values

Kontrolmatik Sustainability approach depends on the **4Ps Approach**:

Productivity

KONTROLMATIK has adopted the principle of innovating with safe and sustainable technology solutions.

It adopts a 360° sustainability approach through its business activities and collaborations and takes the necessary measures and steps to generate responsible production. It commits to being reliable and transparent to all its customers, partners and stakeholders. It designs its products and services with an environmentally friendly approach, and supports with sustainable innovations.

Having ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 50001, ISO 10002, EN ISO 3834 – 2 system certificates, it takes as the principle of integrating globally recognized certificates transformatively supporting its products and services and its transparent sustainable business model ultimately.

It continuously follows the requirements of the directives and guides in accordance with the national and international regulations and directives regarding environmental, social and occupational safety responsibilities, and immediately implements them in the production sites.

Planet

KONTROLMATIK adopts a holistic sustainability governance.

It acts environmentally and socially responsible and accountable throughout entire value chain indoor at facilities and office, outside for the communities and for our planet beyond.

It always acts with the awareness of its responsibilities for humanity and the entire biodiversity of the planet we live in.

Our new LifePO4 POMEGA Energy Storage Systems facility will fulfill all these commitments through the following sustainable applications:

- Providing 40% of its electricity demand from roof-top solar power plant,
- Use of renewable energy sources,
- Harvesting roof-top rainwater,
- Recovery of waste heat,
- Implementing a circular waste management system & zero-waste approach,
- Implementing a responsible and sustainable supply chain and purchasing policy
- Driving always low emission target & striving for net zero carbon emission,
- Water recovery & minimization and supplying drinking water supply
- LEED certificate

Sustainability Values

People

KONTROLMATIK respects human rights, diversity & fair working conditions.

We considerably contribute to increasing the welfare of communities where we operate.

- we foresee hiring over 650 employees from the local community where our new LiFePO4 POMEGA battery facility is located
- with our social responsibility projects in the region:
  - → we target women & youth live in disadvantaged societies and geographies around Polatlı region,
  - → support gender equality, enable youth and women be familiar with technology,
  - → provide positive and decisive opportunities in their life plans,
  - → influence their entrepreneurial spirit for carrying out their plans in tangible way,
  - → impose our sustainability values to communities,
  - → integrate more “sustainable women's power” in our business.

As of 2022, we started to cooperate with the «***Mor Çatı Association***», and we will support the place of women in society on the occasion of our employees' birthdays.

Partnerships

KONTROLMATIK believes in the development of sustainable communities, and global partnership for an inheritable world.

Became a member of «**UNGC Türkiye**» in April 2022, and actively take part in UNGC Türkiye working groups: «Environment, Gender Equality, Diversity and Inclusion, Sustainable Finance».

Became member of **UN WEPs** (Women Empowerment Principles) by August 2022.

"**SDK Türkiye** (Circular Economy Platform)" and "**TAP** (Turkish Battery Manufacturers and Importers Association)« membership. It adopts a circular waste management approach for reuse & recycling projects of LiFePO4 batteries,.

Became a member of the «**Sustainability Academy**» and at the 'Green Business Summit' in the first quarter of 2022, we shared which sustainable actions we contribute to «**decarbonization**» by transforming our goals.

It believes in women labor force in business, and partnered with «**Kadın Dostu Markalar**» platform.

Member of **GÜYAD** (Renewable Energy Investment) and **TUREB** (Türkiye Wind Energy) Associations, and actively take part in workshops and meetings.

Agenda

Attractive Financial Figures

M TL	9M'20	9M'21	9M'22	22/21 Δ	3Q21	3Q22	22/21 Δ
Revenue	**121,8**	**350,4**	**855,4**	***144%***	**156,3**	**341,7**	***119%***
Gross Profit	25,1	98,9	314,4	*218%*	37,1	150,3	*306%*
EBIT	24,7	74,6	336,1	*350%*	17,5	132,5	*657%*
EBITDA*	**26,0**	**79,2**	**346,7**	***338%***	**19,6**	**136,8**	***597%***
Net Income	**13,4**	**70,7**	**195,0**	***176%***	**28,3**	**75,7**	***168%***
Gross Margin	20,6%	28,2%	36,8%	*8,5%*	23,7%	44,0%	*20,3%*
EBIT Margin	20,3%	21,3%	39,3%	*18,0%*	11,2%	38,8%	*27,6%*
EBITDA Margin	**21,4%**	**22,6%**	**40,5%**	***17,9%***	**12,5%**	**40,0%**	***27,5%***
Net Income Margin	**11,0%**	**20,2%**	**22,8%**	***2,6%***	**18,1%**	**22,2%**	***4,1%***

Other income/expenses are included in the EBITDA calculation

Solid Growth

- The growth momentum in gross profit, EBITDA and net profit in 2021 continued in 2022. Increasing trend in profit margins maintained.
- In line with the increasing volume of operations, the need for working capital increased and due to the external financing for the new investments the net financial debt position of 171M TL at the end of 2021 increased to 681 mTL in 3Q22.
- Equity reached 472 MTL in 3Q22.

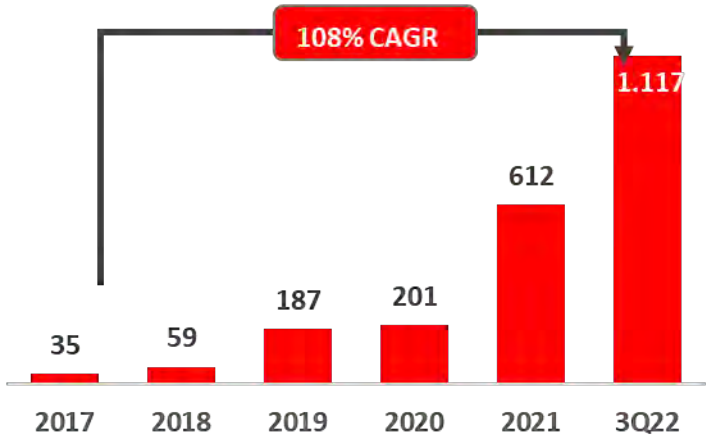
M TL	31.12.2019	31.12.2020	31.12.2021	30.9.2022	22/21 Δ
Cash and Cash Equivalents	21,3	52,1	77,1	129,9	*68%*
Total Assets	176,0	320,1	940,4	2.194,8	*133%*
Current Assets	141,2	281,0	778,9	1.608,5	*107%*
Fixed Assets	34,8	39,1	161,5	586,3	*263%*
Total Liabilities	133,6	186,3	654,0	1.720,4	*163%*
Short-Term Liabilities	124,5	174,8	579,9	1.233,1	*113%*
Long-Term Liabilities	9,1	11,5	74,1	487,3	*557%*
Equity	**42,5**	**133,8**	**286,6**	**471,6**	***65%***
Net Debt (Cash)	**8,6**	**-0,9**	**171,2**	**681,2**	***298%***

Attractive Financial Figures

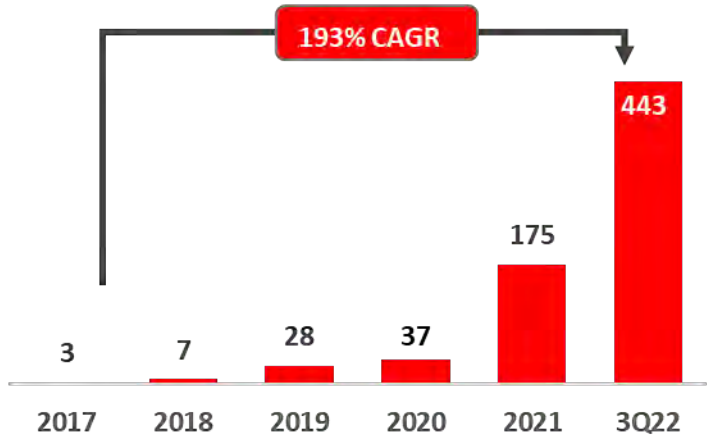
Keys to Growth

- Between 2017-2022 turnover consists of System Integration segment only. Pomega, Controlix, Plan-S, Robotic arms will contribute to financials starting 2022.
- Due to barrier structure of the industry, larger projects can be undertaken if and only if you completed smaller ones.
- In risky locations like Africa and Middle East big companies like Siemens don't want to take the country risk. We take their place because we have experience and good relations in those countries.
- External financing, which was used for investments that started in 2021 and continued in 2022, has been effective in the increase in net debt.

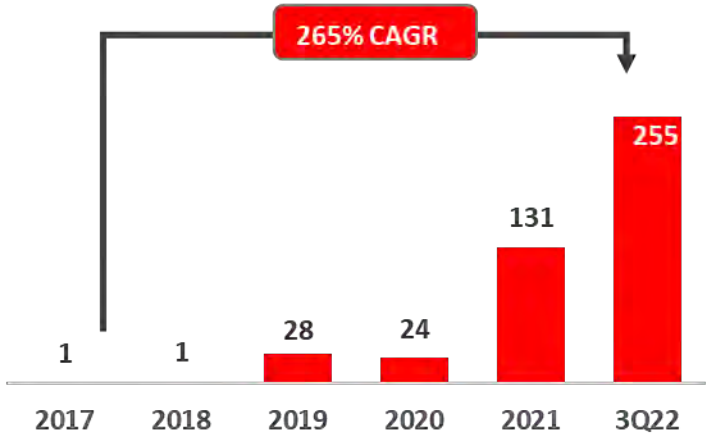
Revenue* (TL M)



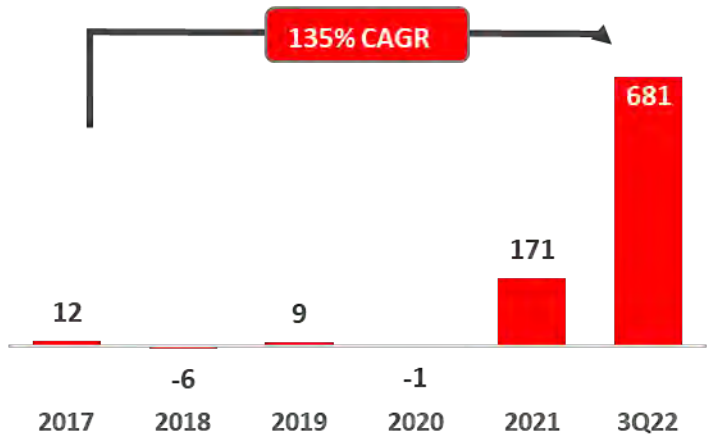
EBITDA* (TL M)



Net Income* (TL M)



Net Debt (Cash) (TL M)

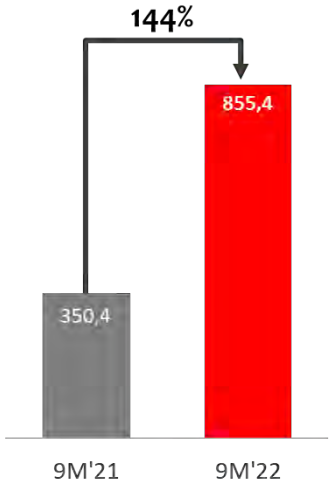


**3Q22 revenue, EBITDA and net income are annualized.*
**Other income/expenses are included in the EBITDA calculation*

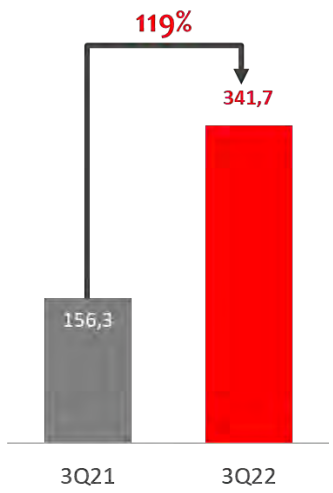
Sustainable Growth

119% Revenue Increase in 3Q22

Top-Line – 9 Months (M TL)



Top-Line – 3rd Quarter (M TL)



119% Growth in 2Q22

- Pandemic Base Effect
- Increase in Project Sizes Thanks to Ability to Undertake Larger Projects
- More than 85% Foreign Currency Income
- Rise in Exchange Rates
- Focus on Profitable Projects
- Increase in Project Completions
- Reputation Increase
- Contribution of R&D Projects to Income

High EBITDA & Net Profit Growth in 2Q22

Gross Profit, mTL

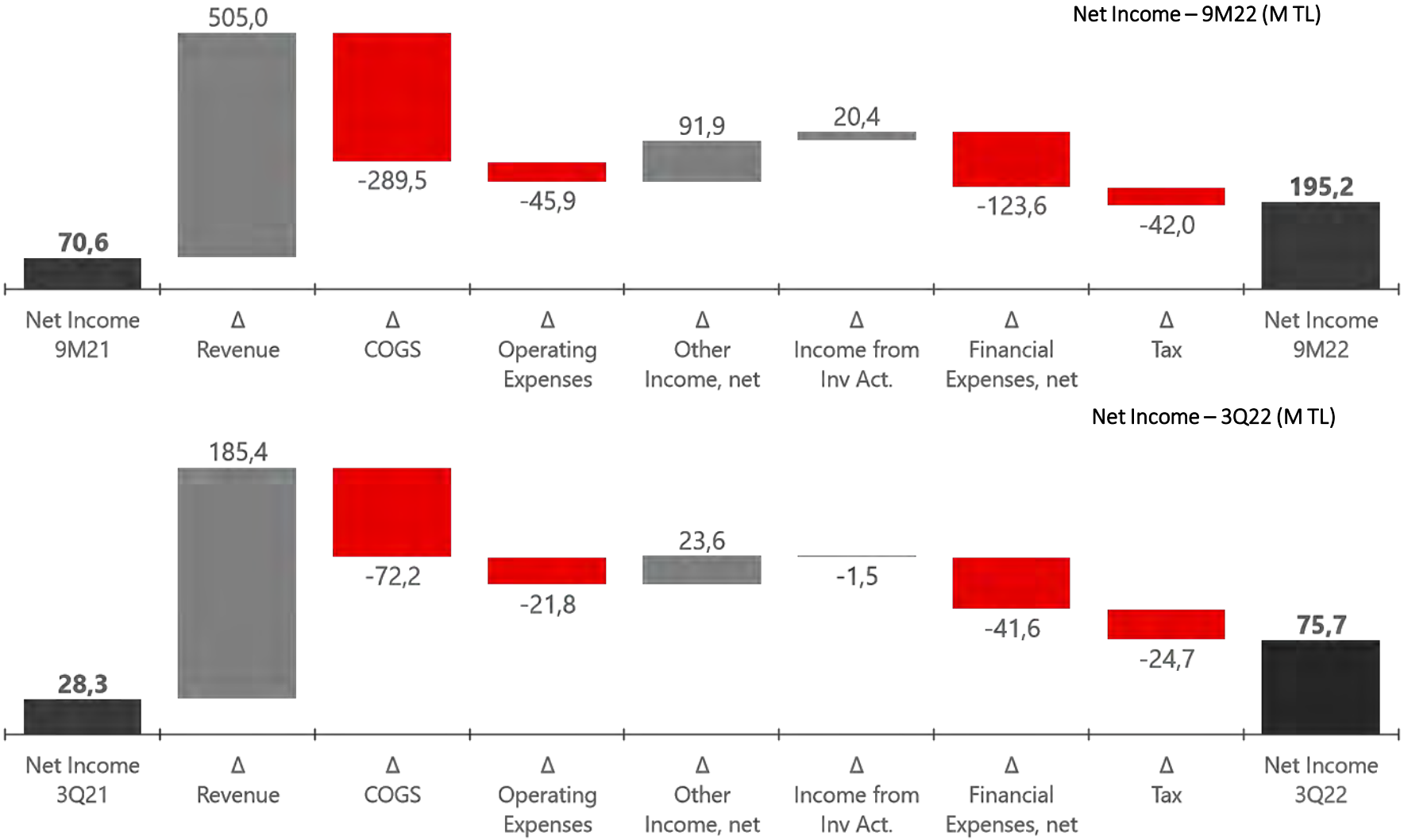
EBITDA*, mTL

Net Income, mTL

Gross Profit, EBITDA, Net Income Margin

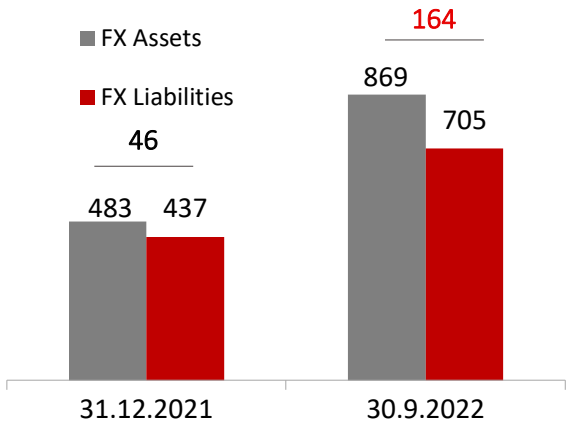
Company defines EBITDA as 'Gross Profit -Operating Expenses + Other Operating Income – Other Operating Expenses + Depreciation'

Revenue Growth Reflected on Net Profit in 3Q22



Debt Profile & FX Position

FX Position as of 30.09.2022 (TL mn)

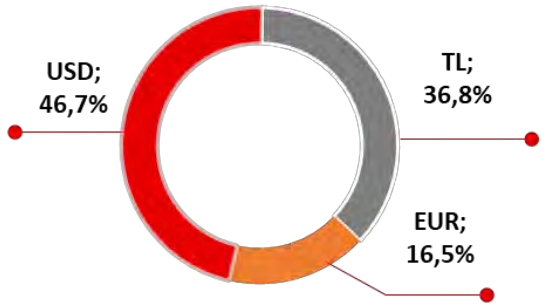


As of 30.09.2022;

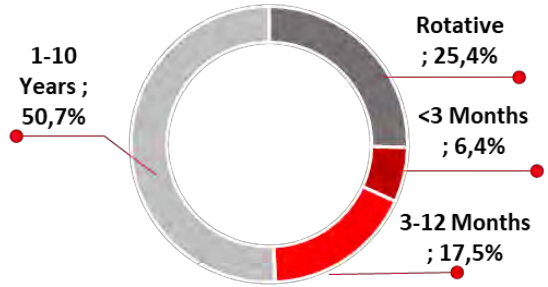
164 MTL Long Position

TL & Euro based loans with high foreign currency share in revenue

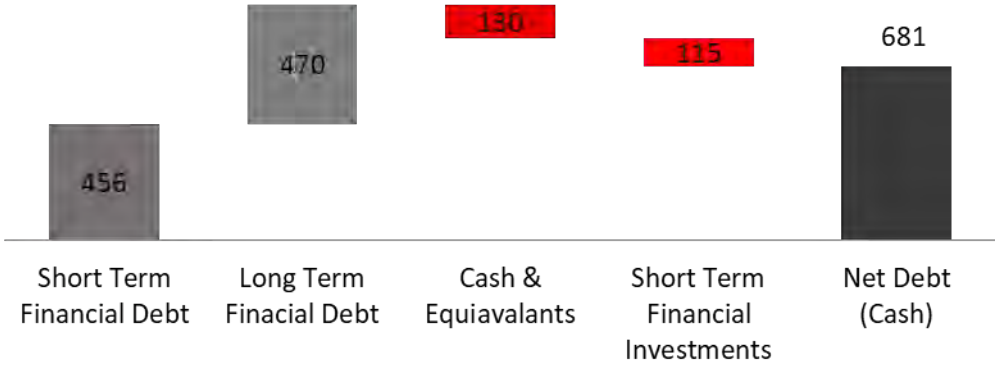
Currency Breakdown



Maturity of Financial Debt

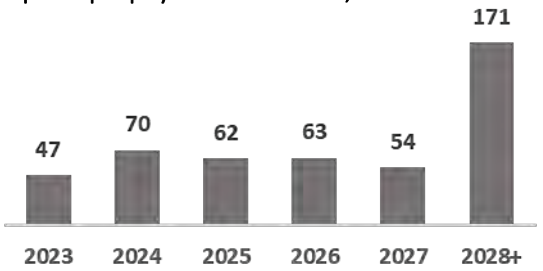


Debt Profile as of 30.09.2022 (TL mn)



681 M TL Net Financial Debt
1,3x Net Debt/EBITDA

Loan principal payment Schedule, mTL



Financial Ratios Indicate Efficiency of Investments

- Low Financial Leverage Ratios
- Net Financial Debt/EBITDA of 1,5x well below the risk zone
- Additional borrowing capacity provided by low leverage
- Increase in annual profit margins in 2022
- Positive Economic Value Added (EVA)
- 50,8% investment return (ROIC) in 2022, is well above the alternative yield

Liquidity Ratios	2020/12	2021/12	2022/09
Current Ratio	1,61	1,34	1,30
Liquidity Ratio	1,27	1,11	1,01

Debt Ratios	2020/12	2021/12	2022/09
Total Debt/Total Assets	58,2%	69,5%	78,4%
Short-Term Fin. Debt/Equity	36,8%	77,3%	96,2%
Coverage Ratio	3,9	2,1	2,1
Net Debt/EBITDA	0,0	1,0	1,5
Short-Term Liabilities/Assets	54,6%	61,7%	56,2%
Long-Term Liabilities/Assets	3,6%	7,9%	22,2%
Equity/Assets	41,8%	30,5%	21,6%
Total Liabilities/Equity	139,3%	228,4%	362,7%
Financial Debt/Total Liabilities	30,1%	44,2%	53,8%

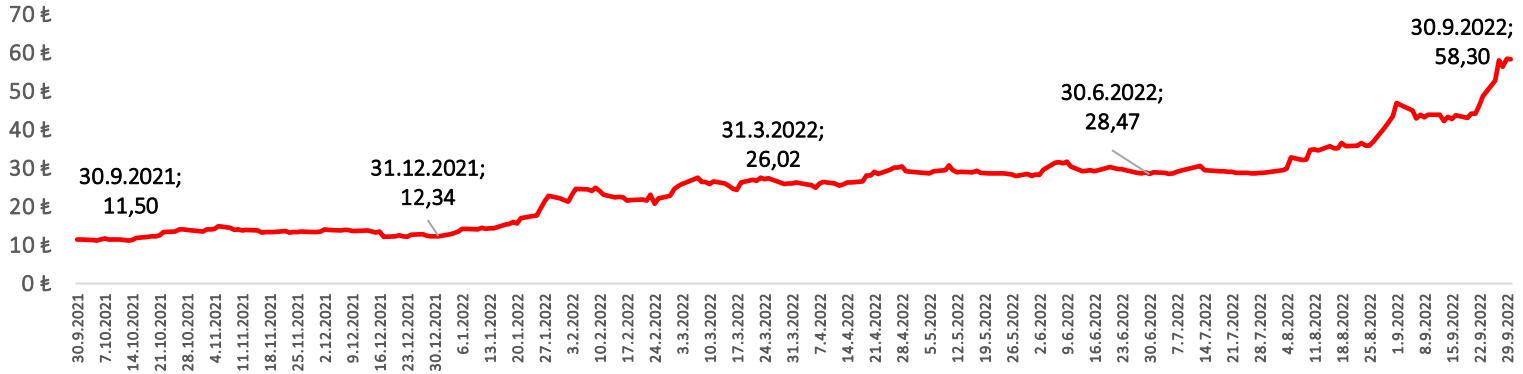
Profitability Ratios*	2020/12	2021/12	2022/09
Gross Margin	23,7%	27,0%	34,1%
EBIT Margin	15,7%	27,6%	38,5%
EBITDA Margin	18,2%	28,7%	39,7%
Net Margin	11,9%	21,3%	22,8%
ROE**	27,2%	62,1%	76,0%
Financial Exp./Net Sales	4,6%	13,7%	18,6%

Investment Ratios	2020/12	2021/12	2022/09
Investment/Depreciation	75,9%	814,9%	2038,8%
Investment/Net Sales	0,7%	9,2%	23,6%
EVA-TL	13.292.333	84.173.101	222.766.738
ROIC	37,7%	47,6%	50,8%
CRR	33,4%	46,3%	60,7%

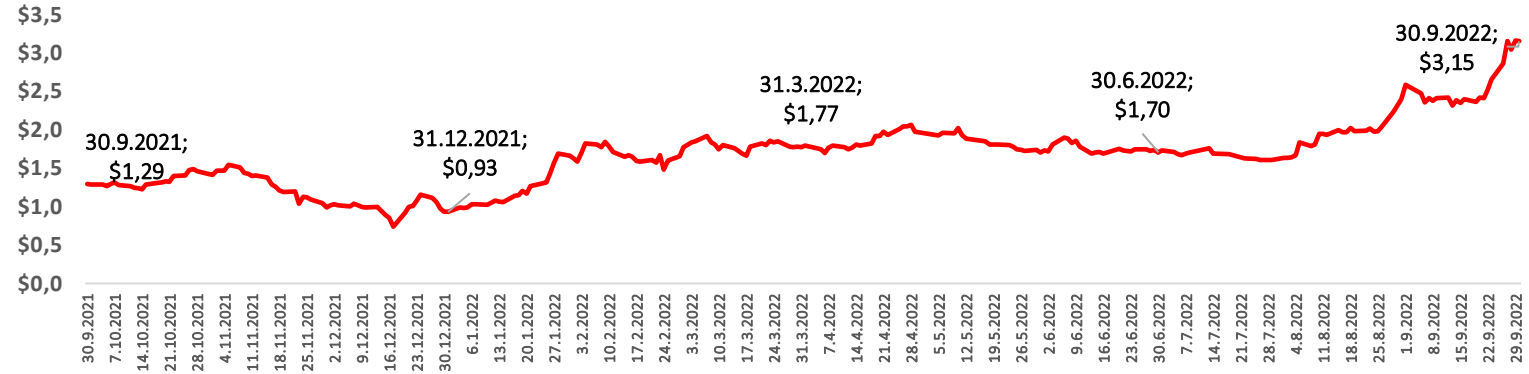
*2022/09 ratios are calculated with last 12 months income statement items and 30.09.2022 balance sheet items.
**The return on equity is calculated by the average of the equity at the beginning and end of the period.

Share Performance Above the Market

KONTR/TL, 30.09.2021-30.09.2022



KONTR/USD, 30.09.2021-30.09.2022



Strong financial data, increased operations, and domestic & international tenders supported the performance.

Agenda

Sustainable Growth

Kontrolmatik has been growing every year and shows with its financials. The Company invests in new technologies which are related to its current business. The relationships of its investments are described below;

THE FUTURE OF ENERGY: ENERGY STORAGE SYSTEMS (EDS)

Kontrolmatik…

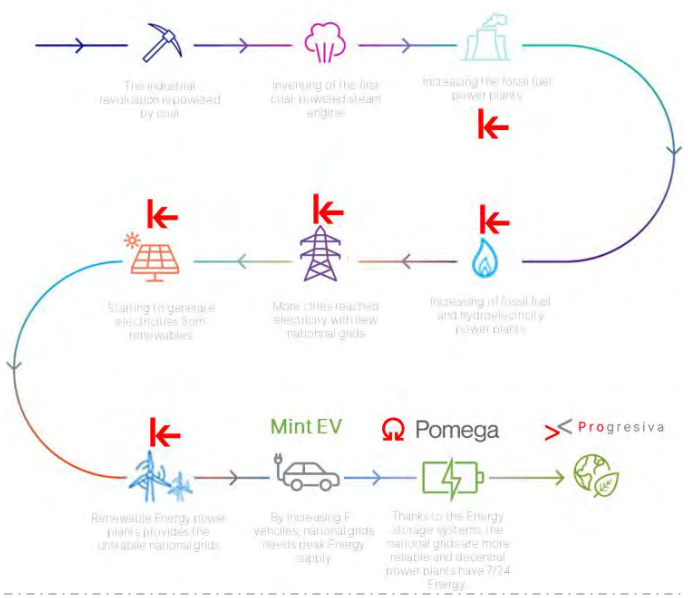
- has been in the Energy business since its establishment as a System Integrator
- providing engineering, procurement, construction solutions for the Energy sector
- deep understanding of energy needs and current infrastructure in 32 countries
- develops and builds sustainable projects for a reduction in the World's carbon footprint
- saw a solid potential in 2016 that in order to increase renewable power plants across the world, energy storage systems should be implemented into national grids
- decided that ESS is the future of energy for a sustainable world.

After seeing the potential, it was easy to check the ESS market through its current clients and partners. Kontrolmatik completed its first ESS project in 2017.

As of today in 2022, Kontrolmatik…

- is awarded with new ESS contracts and completing projects
- is about to complete its lithium-ion battery cell factory that will be the first in Türkiye,
- is realizing its own energy storage facility investment that will be the first in Türkiye,
- New battery solutions are being developed for power plants, industries, residential consumers, automotive industry,
- With the Lithium-Ion battery cell factory to be opened in America, steps are being taken towards becoming a global player.

The energy sector is the strongest side of Kontrolmatik, therefore it will keep investing in the energy sector with innovative technologies for a sustainable, carbon-free and green future. This is the aim of the Company.



Current Markets & Industries

- To increase customer satisfaction in order to be permanent in the geographies served
- To increase the number and effectiveness of partners with whom we can work in the sectors in which we operate
- To follow new technologies in the sectors in which we do business and to try to increase the technology density
- To increase the quality of products and services and to reduce the cost of quality service by analyzing the needs of the customers and the projects they have completed.
- Adding new markets and geographies for operating industries
- Adding new sectors in the geographies served
- Increasing income and cash flow from EPC by enlarging the business in different countries with new partnerships

Solid Growth

THE FUTURE OF AUTOMATION & THE FUTURE OF THE WORLD: IoT

Kontrolmatik…

- established in 2008 as an automation and engineering Company
- has been providing tailor-made and/or turnkey solutions for industry since its establishment
- knows very well the market players and market's needs
- started to provide solutions for IoT projects in 2016
- realized that with Industry 4.0, conventional automation solutions are not enough, and the future of automation is the Internet of Things
- experienced after many successful projects, Kontrolmatik is ready to extend its business to space for its own communication infrastructure

As of today in 2022, Kontrolmatik…

- Developed many IoT hardware within Controlix,
- Plan-S' first IoT test satellite, Connecta T1.1, launched into orbit
- is shaping technology with its own IoT and Satellite solutions for a sufficient future!

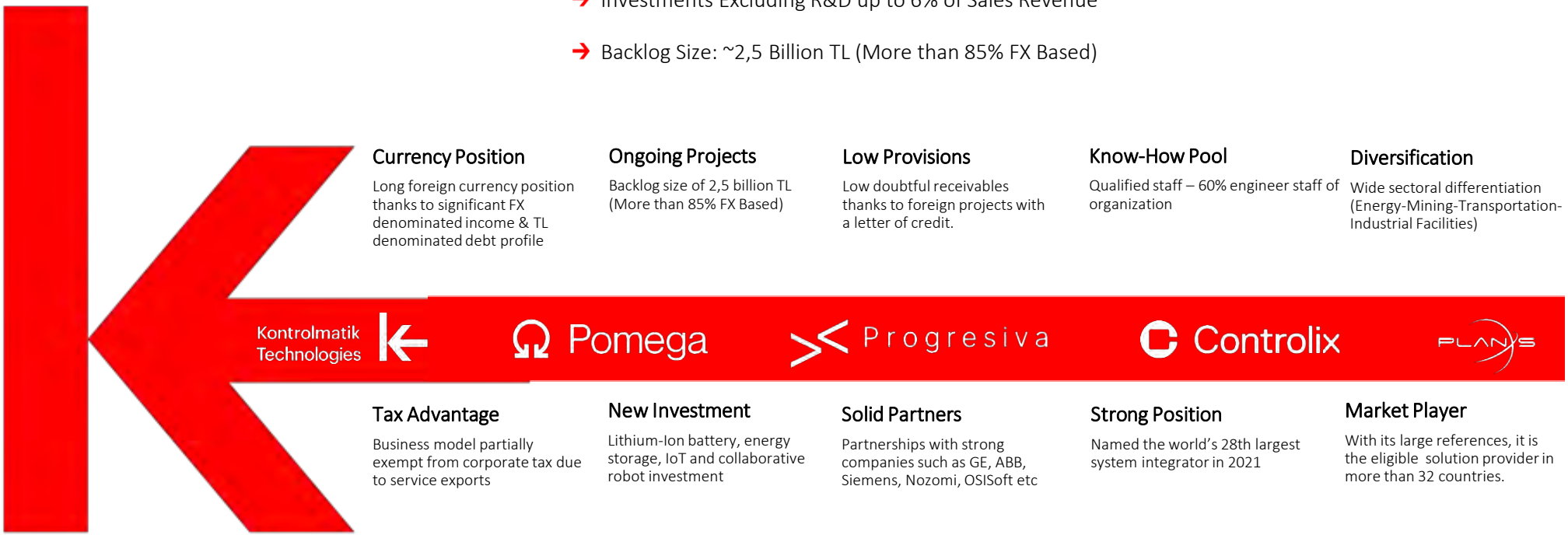
New Markets & Industries

- Financing technology investments with income from EPC
- Transforming Engineering Know-How into high and innovative technology
- Adding new capabilities and technologies through R&D studies and investments
- Diversifying financing resources with IPOs, strategic and financial partnerships
- Investing in high-tech project and products
- Making innovative technology investments through subsidiaries
- Growing in the IoT market with R&D studies
- Using young and qualified labor in Türkiye making investments in IoT, automation, Li-Ion battery, energy storage, robotic technologies to guarantee a sustainable green future

Ready for creating a sustainable future

In 2022;

- ~1.600 M TL Revenue
- ~ 450 M TL EBITDA
- R&D Investment of >3% of Sales Revenue
- Investments Excluding R&D up to 6% of Sales Revenue
- Backlog Size: ~2,5 Billion TL (More than 85% FX Based)



Currency Position
Long foreign currency position thanks to significant FX denominated income & TL denominated debt profile

Ongoing Projects
Backlog size of 2,5 billion TL (More than 85% FX Based)

Low Provisions
Low doubtful receivables thanks to foreign projects with a letter of credit.

Know-How Pool
Qualified staff – 60% engineer staff of organization

Diversification
Wide sectoral differentiation (Energy-Mining-Transportation-Industrial Facilities)

Tax Advantage
Business model partially exempt from corporate tax due to service exports

New Investment
Lithium-Ion battery, energy storage, IoT and collaborative robot investment

Solid Partners
Partnerships with strong companies such as GE, ABB, Siemens, Nozomi, OSISoft etc

Strong Position
Named the world's 28th largest system integrator in 2021

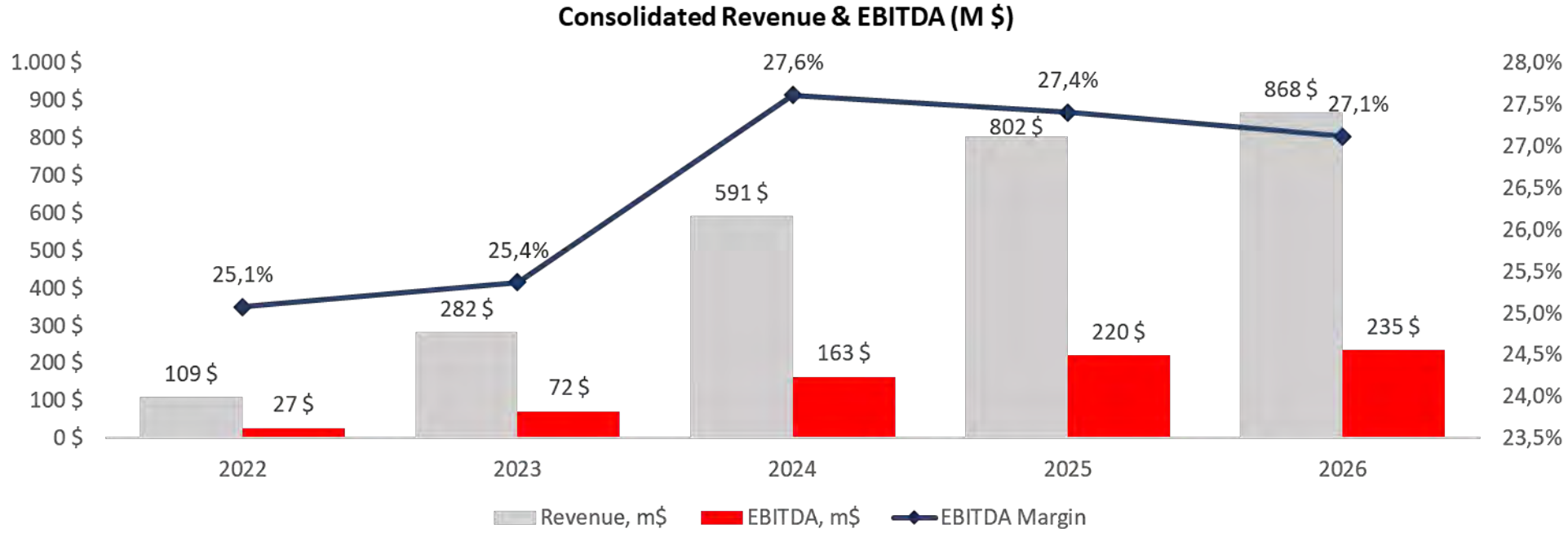
Market Player
With its large references, it is the eligible solution provider in more than 32 countries.

Revenue & Investment Projection by Segments

	Kontrolmatik 2022-2026 Strategy	2022	2023	2024	2025	2026
System Integration	**Revenue, m$**	**101,8 $**	**146,0 $**	**184,0 $**	**204,3 $**	**209,4 $**
	YoY Change	*51,5%*	*43,5%*	*26,0%*	*11,0%*	*2,5%*
	CAPEX, m$	**6,0 $**	**4,8 $**	**5,1 $**	**5,5 $**	**6,0 $**
Controlix	**Revenue, m$**	**7,2 $**	**26,4 $**	**55,0 $**	**75,0 $**	**90,0 $**
	YoY Change	*747,1%*	*266,7%*	*108,3%*	*36,4%*	*20,0%*
	CAPEX, m$	**4,4 $**	**8,5 $**	**7,0 $**	**5,0 $**	**5,0 $**
Pomega - TR	**Revenue, m$**	**0,0 $**	**105,0 $**	**340,0 $**	**490,0 $**	**520,0 $**
	YoY Change			*223,8%*	*44,1%*	*6,1%*
	CAPEX, m$	**55,7 $**	**106,2 $**	**52,5 $**	**24,5 $**	**7,3 $**
Mcfly Robot Technologies	**Revenue, m$**	**0,0 $**	**4,4 $**	**12,3 $**	**33,1 $**	**48,3 $**
	YoY Change			*179,5%*	*168,8%*	*46,1%*
	CAPEX, m$	**4,0 $**	**12,4 $**	**9,4 $**	**8,0 $**	**7,5 $**

Consolidated Targets

	Kontrolmatik 2022-2026 Strategy	2022	2023	2024	2025	2026
Consolidated*	**Revenue, m$**	**109,0 $**	**281,8 $**	**591,3 $**	**802,3 $**	**867,7 $**
	YoY Change	*60,2%*	*158,6%*	*109,8%*	*35,7%*	*8,1%*
	EBITDA, m$	**27,3 $**	**71,5 $**	**163,3 $**	**219,9 $**	**235,3 $**
	YoY Change	*42,1%*	*161,6%*	*128,4%*	*34,7%*	*7,0%*
	EBITDA Margin	*25,1%*	*25,4%*	*27,6%*	*27,4%*	*27,1%*
	CAPEX, m$	**70,1 $**	**131,9 $**	**74,0 $**	**42,9 $**	**25,8 $**



*Consolidated targets include Kontrolmatik System Integration, Controlix, Pomega – TR and McFly Robot Technologies data.

Addendum: Financial Figures in USD

M USD	9M'20	9M'21	9M'22	22/21 Δ	3Q21	3Q22	22/21 Δ
Revenue	**18,1**	**43,2**	**53,8**	***25%***	**18,3**	**19,1**	***4%***
Gross Profit	3,7	12,2	19,8	*62%*	4,3	8,4	*93%*
EBIT	3,7	9,2	21,1	*130%*	2,0	7,4	*260%*
EBITDA*	**3,9**	**9,8**	**21,8**	***123%***	**2,3**	**7,6**	***232%***
Net Income	**2,0**	**8,7**	**12,3**	***41%***	**3,3**	**4,2**	***27%***
Gross Margin	20,6%	28,2%	36,8%	*8,5%*	23,7%	44,0%	*20,3%*
EBIT Margin	20,3%	21,3%	39,3%	*18,0%*	11,2%	38,8%	*27,6%*
EBITDA Margin	**21,4%**	**22,6%**	**40,5%**	***17,9%***	**12,5%**	**40,0%**	***27,5%***
Net Income Margin	**11,0%**	**20,2%**	**22,8%**	***2,6%***	**18,1%**	**22,2%**	***4,1%***

Other income/expenses are included in the EBITDA calculation

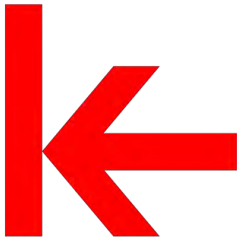
M USD	31.12.2019	31.12.2020	31.12.2021	30.9.2022	22/21 Δ
Cash and Cash Equivalents	3,6	7,0	5,8	7,0	*21%*
Total Assets	29,6	43,1	70,4	118,6	*69%*
Current Assets	23,7	37,8	58,3	86,9	*49%*
Fixed Assets	5,8	5,3	12,1	31,7	*162%*
Total Liabilities	22,5	25,1	49,0	93,0	*90%*
Short-Term Liabilities	20,9	23,5	43,4	66,7	*54%*
Long-Term Liabilities	1,5	1,5	5,6	26,3	*370%*
Equity	**7,1**	**18,0**	**21,5**	**25,5**	***19%***
Net Debt (Cash)	**1,4**	**-0,1**	**12,8**	**36,8**	***188%***

Notes:

- For Comparative Purposes Only
- Average USD/TRY rate is used for P/L items and period-end rate is used for B/S items.

Period	Average TL/USD	Period-End TL/USD
01.01 - 30.9.2022	15,91	18,50
01.07 - 30.9.2022	17,94	18,50
01.01 - 30.9.2021	8,12	8,89
01.07 - 30.9.2021	8,54	8,89
01.01 - 30.9.2020	6,74	7,72
31.12.2021	8,93	13,35
31.12.2020	7,02	7,43
31.12.2019	5,68	5,95

Kontrolmatik
Technologies



controlling of technology is
controlling of the future.