

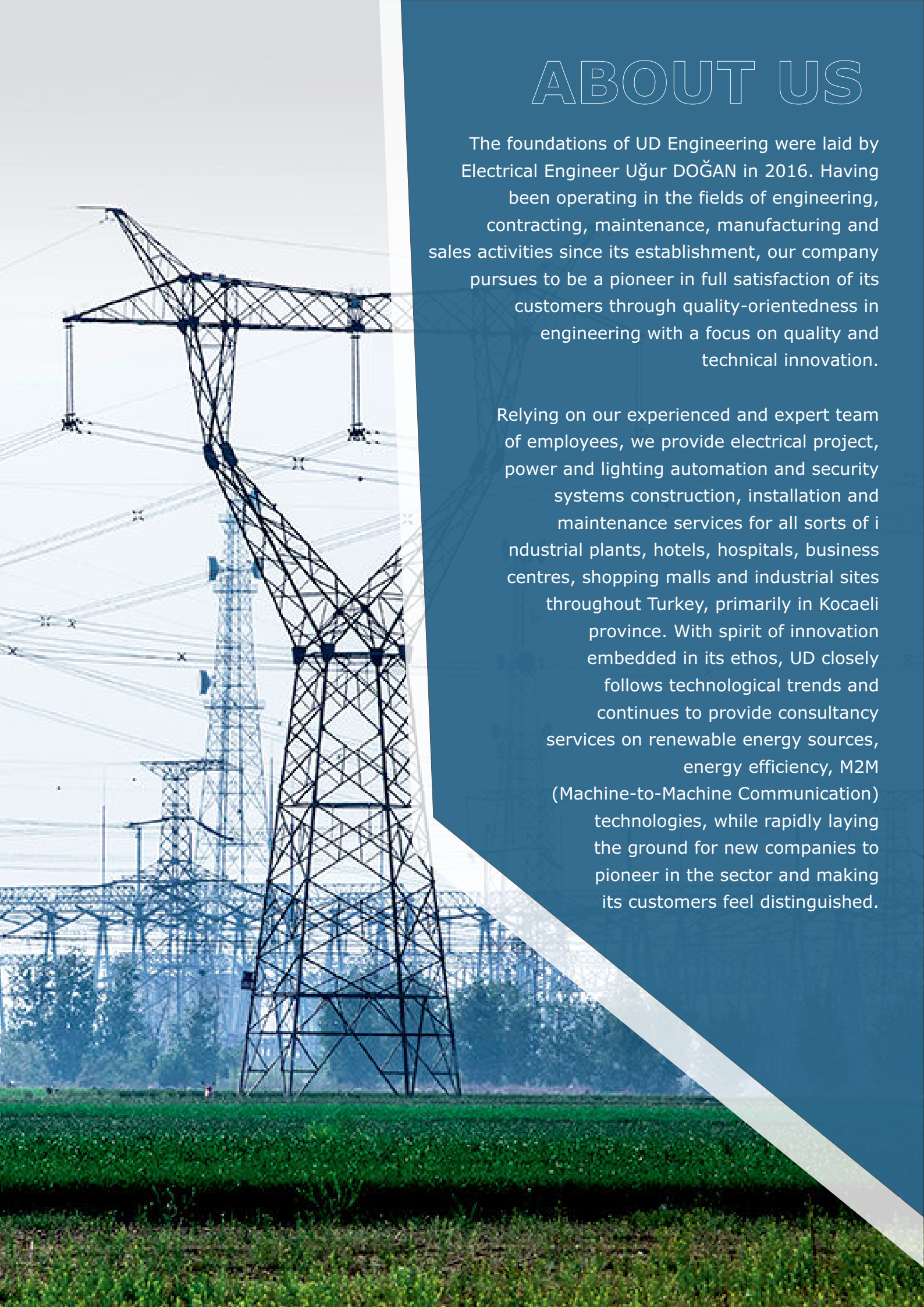
[www.udmuhendislik.com](http://www.udmuhendislik.com)

**UD**  
**ENGINEERING**

**Corporate**  
Catalogue

[www.udmuhendislik.com](http://www.udmuhendislik.com)

*Visit our webpage for  
detailed information  
about our company.*



# ABOUT US

The foundations of UD Engineering were laid by Electrical Engineer Uğur DOĞAN in 2016. Having been operating in the fields of engineering, contracting, maintenance, manufacturing and sales activities since its establishment, our company pursues to be a pioneer in full satisfaction of its customers through quality-orientedness in engineering with a focus on quality and technical innovation.

Relying on our experienced and expert team of employees, we provide electrical project, power and lighting automation and security systems construction, installation and maintenance services for all sorts of industrial plants, hotels, hospitals, business centres, shopping malls and industrial sites throughout Turkey, primarily in Kocaeli province. With spirit of innovation embedded in its ethos, UD closely follows technological trends and continues to provide consultancy services on renewable energy sources, energy efficiency, M2M (Machine-to-Machine Communication) technologies, while rapidly laying the ground for new companies to pioneer in the sector and making its customers feel distinguished.



## LV-LOW VOLTAGE

In the field of Low Voltage Systems, we engage in

- Electrical project, consultancy and inspection services,
- Sale of electrical equipment,
- Low Voltage (A.G.) - Electricity Distribution Plants, Substations, energy transmission lines, Electrical contracting works,
- Electrical works for industrial plants,
- LV electrical works for business centres, shopping malls, schools, hospitals and factories,
- Electrical works for housing, mass housing projects,
- Project, consultancy and contracting works for the lighting of sports fields, streets and motorways.



## AUTOMATION SYSTEMS

- PLC/ITU Units Energy Automation Software (SCADA)
- Computer Set and Printer Energy Analysers
- Energy Quality Analysers
- Reactive Power Control Relays
- Protection Relays, Earth Leakage and Insulation Monitoring Devices
- Transducers PLC/PTU Automation Panels
- Electrometers

## CONSULTANCY SERVICES

Consultancy services are the services that investors demand in order to provide guidance for their investments and estimate their costs in advance before investment decision and project preparation steps. Consultancy services includes audit, control and acceptance procedures during the implementation of projects.



## MV-MEDIUM VOLTAGE

In the field of Low Voltage Systems, we engage in

- Substation Installation
- For transformer facilities to be constructed from scratch, all manufacturing work from the medium voltage network connection port to the low voltage output panel, along with all high voltage equipment installation and assembly is carried out and delivered on a turnkey basis owing to experience and quality of UD Engineering.
- Building Type Transformer Centers,
- Concrete Kiosk Type Transformer Centers,
- Pole Type Transformer Centers,
- Underground Kiosk Type Transformer Centers.

### ETL APPLICATIONS

Our experienced technical team implements and delivers overhead line applications with iron poles or concrete poles in all 36 kV distribution networks.

### INFRASTRUCTURE APPLICATIONS

We provide and deliver medium voltage and low voltage electrical infrastructure, wiring and cabling services, as well as underground network applications.

### TRANSFORMER MAINTENANCE AND REPAIR SYSTEMS

Each day the importance of energy and energy-related needs in the developing world becomes ever more manifest. The importance of transformers and electrical facilities maintenance in providing uninterrupted, high-quality and continuous energy is indisputable. Periodic maintenance and repairs required for transformers and transformer centers are carried out by UD Engineering using the necessary technical equipment.



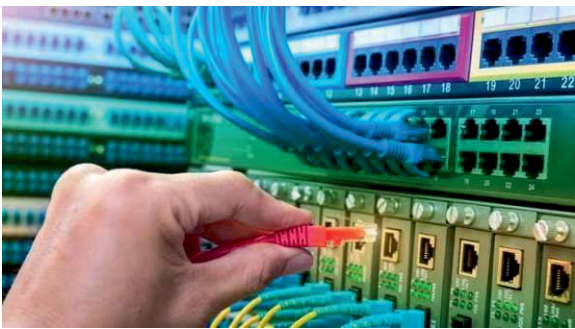
## CONSUMABLE MATERIAL SUPPLY

In addition to the technical services we provide, we, as UD Engineering, also play an active role in the supply of electrical consumables. Supply agreements we have entered into with many brands ensure your access to right products for your needs.



## FIRE SYSTEMS

Fire detection systems are designed in accordance with applicable fire protection regulations and relevant standards. A wide variety of applications can be implemented in buildings to meet various needs. In today's high-tech construction, the need and level of integration between fire detection systems and other security and control systems in high-rise buildings, production plants, business centers, hospitals and other buildings where people are densely populated is ever increasing.



## DATA SYSTEMS

Network system is the general designation for a network structure created to enable at least two computers to communicate with each other. In this system, as in other systems, the most important element is to determine the demands for maximum performance in advance and to create the infrastructure in line with these demands. Cables, switches and other equipment to be used should be selected correctly in accordance with the required connection speed.

For horizontal cabling Cat5, Cat6, Cat7 or fiber optic cables are used depending on the size of the system.

In order for a correct and compatible system operation, all equipment (computer, data socket, cable, switch, patch cable, patch panel) should be compatible with each other from end to end.

Regarding your network systems, you can get support from our company for cabling infrastructure, endpoint termination, fiber termination or turnkey network solutions.



## GENERATOR SYSTEMS

- Industrial diesel engine generators
- Portable-type small generators
- Generators with pentagonal poles
- Magnetohydrodynamic generator
- High frequency generators

Industrial generators are manufactured optionally as Low Voltage and Medium and High Voltage generators. Generators used in homes and workplaces are low voltage generators. 50-60 Hz. single-phase (240V) and three-phase (380V) output can be obtained from these generators.



## GENERATOR SYSTEMS

We offer trouble-free and quality solutions in Central TV and Satellite Antenna Distribution Systems. The industrial type satellite receivers, modulators, amplifiers, multiswitches and splitters we use are selected from the simplest to the most complex systems with a focus on superior performance and 100% user satisfaction.

- MULTISWITCH SYSTEMS
- HEADEND (SMATV) SYSTEMS
- IPTV SYSTEMS



## SECURITY SYSTEMS

### Camera Systems

- Analogue Camera Systems
- IP Camera Systems
- Hybrid (Mixed) Camera Systems

### Alarm Systems

In an area to be protected, many of the risks can be minimised with the installation of an alarm system. Providing deterrence, defence and early intervention, the alarm system helps spaces become safer and more controllable. An alarm system is configured as wired, wireless or hybrid according to the ambient conditions. It can be connected to the alarm monitoring centre via one or more of the PSTN, GSM or GPRS communication options.

## GROUNDING



Grounding is a vital precaution to prevent the danger of a possible electrical leakage of electrically operated devices. It is a simple system that allows leakage electricity to be directed to the ground via a conductor. Grounding is absolutely necessary against the risk of electrical leakage, in order to prevent the risk of human life and the service life of the devices. By this way, the excess electrical charge that may occur in the device will be directed to the ground through the low-resistance ground line and a possible life-threatening danger will be eliminated for the individuals who contact the device.



## INTERCOM and ANNOUNCE SYSTEMS

### VIDEO/NON-VIDEO INTERCOM SYSTEMS

With video intercom systems, you will feel ever more secure in your home and apartment. In today's technology, we have the opportunity to receive both the voice and the image of the person knocking on our door thanks to video intercom systems. With their prices having dropped to very reasonable levels, video intercom systems have today become systems that can be readily deployed everywhere.

### ANNOUNCE SYSTEMS

Voiceover and emergency announcement systems are used in buildings such as hotels, residences, airports, hospitals, educational institutions, shopping malls, business centres, industrial facilities for voice evacuation and emergency announcements in emergency situations, as well as music broadcasting

## LIGHTNING RODS



With the prohibition of radioactive lightning rods, these have been replaced by E.S.E. (Active) Lightning Rods. E.S.E. (Active) Lightning Rods consist of two types as "Electrostatic ParaToner™" and "Piezoelectric Crystalline Lightning Rod".



# SERTİFİKA

**Uğur Doğan – UD Mühendislik**

**Alikahya Merkez Mah. Sakıp Sabancı Blv. B Blok No: 12 B  
İzmit Kocaeli Türkiye**

Yukarıda adı geçen kuruluş, aşağıda belirtilen kapsamda bir yönetim sistemini uygulamakta ve sürdürmekte olup ilgili standarda uygunluğu KingCert tarafından onaylanmıştır.

## ISO 9001:2015

**Kalite Yönetim Sistemi**

**Kapsam : Sanayi ve İmalat Projelerine Yönelik Mühendislik ve Danışmanlık  
Faaliyetleri (Hafifhaneler, Farineriler, Ulaştırma Araçları, Sanayi Makineleri)**

**IAF/EA Kodu: 34**



**ACCREDITED**  
Management Systems  
Certification Body  
MSCB-196



Bu sertifika, yukarıda ünvanı bulunan kuruluşun ISO 9001:2015 standardının gerekliliklerini yerine getirdiği ve KingCert' e karşı olan tüm sorumluluklarını taşıdığı sürece yukarıda belirtilen kapsamda geçerlidir.

**Sertifika Yayın Tarihi : 20.10.2022**

**Sert. Son Basım Tarihi : 20.10.2023**

**Sert. Geçerlilik Tarihi : 19.10.2024**

**Sert. Periyodu Bitiş Tar. : 19.10.2025**

**Sertifika No : I1666001388Q**

**King Cert International Certification Ltd.  
Director**

King Cert International  
Certification Ltd.  
Tsarigradsko Shose Blvd. No: 133  
BIC IZOT FL6., Office No: 603  
1784 Sofia Bulgaria  
info@KingCert.com  
FR.25 / 01.09.2016 / 01.08.2023 / 04

King Cert International Certification Ltd., bu sertifikada adı geçen kuruluşun yukarıdaki standardın şartlarına uygun bir yönetim sistemine sahip olduğunu belgeler. Sistem etkin bir şekilde sürdürüldükçe ve gözetim denetimleri her yıl yapıldıkça müddetçe bu sertifika üç yıl boyunca geçerlidir. Sertifika' nın geçerliliği [www.KingCert.com](http://www.KingCert.com) internet sayfasından kontrol edilebilir. Bu sertifikanın mülkiyet hakkı King Cert International Certification Ltd.'ye aittir ve istenildiğinde iade edilmelidir.



# SERTİFİKA

**Uğur Doğan – UD Mühendislik**

**Alikahya Merkez Mah. Sakıp Sabancı Blv. B Blok No: 12 B  
İzmit Kocaeli Türkiye**

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## ISO 45001:2018

### İş Sağlığı ve Güvenliği Yönetim Sistemi

**Kapsam : Sanayi ve İmalat Projelerine Yönelik Mühendislik ve Danışmanlık  
Faaliyetleri (Haddehaneler, Farineriler, Ulaşım Araçları, Sanayi Makineleri)**

**IAF/EA Kodu: 34**



Bu sertifika, yukarıda ünvanı bulunan kuruluşun ISO 45001:2018 standardının gerekliliklerini yerine getirdiği ve KingCert' e karşı olan tüm sorumluluklarını taşıdığı sürece yukarıda belirtilen kapsamda geçerlidir.

**Sertifika Yayın Tarihi : 20.10.2022**

**Sert. Son Basım Tarihi : 20.10.2023**

**Sert. Geçerlilik Tarihi : 19.10.2024**

**Sert. Periyodu Bitiş Tar. : 19.10.2025**

**Sertifika No : I16660020030**

**King Cert International Certification Ltd.  
Director**

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FR.25 / 01.09.2016 / 01.08.2023 / 04

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# SERTİFİKA

**Uğur Doğan – UD Mühendislik**

**Alikahya Merkez Mah. Sakıp Sabancı Blv. B Blok No: 12 B  
İzmit Kocaeli Türkiye**

Yukarıda adı geçen kuruluş, aşağıda belirtilen kapsamda bir yönetim sistemini uygulamakta ve sürdürmekte olup ilgili standarda uygunluğu KingCert tarafından onaylanmıştır.

## ISO 14001:2015

### Çevre Yönetim Sistemi

**Kapsam : Sanayi ve İmalat Projelerine Yönelik Mühendislik ve Danışmanlık  
Faaliyetleri (Haddehaneler, Farineriler, Ulaşım Araçları, Sanayi Makineleri)**

**IAF/EA Kodu: 34**

**IAS**

**ACCREDITED**  
Management Systems  
Certification Body  
MSCB-196



Bu sertifika, yukarıda ünvanı bulunan kuruluşun ISO 14001:2015 standardının gerekliliklerini yerine getirdiği ve KingCert'e karşı olan tüm sorumluluklarını taşıdığı sürece yukarıda belirtilen kapsamda geçerlidir.

Sertifika Yayın Tarihi : 20.10.2022  
Sert. Son Basım Tarihi : 20.10.2023  
Sert. Geçerlilik Tarihi : 19.10.2024  
Sert. Periyodu Bitiş Tar. : 19.10.2025  
Sertifika No : I1666001455E

King Cert International Certification Ltd.  
Director

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Certification Ltd.  
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BIC İZOT FL.6., Office No: 603  
1784 Sofia Bulgaria  
Info@KingCert.com  
FR.25 / 01.09.2016 / 01.08.2023 / 04

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**WQR**  
WORLD QUALITY REGISTRAR

# SERTİFİKA

**Uğur Doğan – UD Mühendislik**

**Alikahya Merkez Mah. Sakıp Sabancı Blv. B Blok No: 12 B İzmit Kocaeli  
Türkiye**

*Bu sertifika yukarıda adı geçen firmaya, aşağıda belirtilen kapsamda WQR Belgelendirme tarafından verilmiştir.*

# ISO 10002:2018

## Müşteri Memnuniyeti Yönetim Sistemi

**Belgelendirme Kapsamı**

*Sanayi ve İmalat Projelerine Yönelik Mühendislik ve Danışmanlık Faaliyetleri (Haddehaneler, Farineriler, Ulaşım Araçları, Sanayi Makineleri)*

Sertifika No : A-221043  
Yayın Tarihi : 20.10.2022  
Son Basım Tarihi : 20.10.2023  
Geçerlilik Tarihi : 19.10.2024  
Bitiş Tarihi : 19.10.2025

  
WQR Uluslararası Belgelendirme Ltd.  
Müdür

Bu belgenin geçerliliği [www.wqrcert.com](http://www.wqrcert.com) internet sitelerinden kontrol edilebilir.

# Our Vehicle-Machine Park



| Technical Properties |               |
|----------------------|---------------|
| Operating Height     | 15.70 m       |
| Platform Height      | 13.70 m       |
| Load capacity        | 227 kg        |
| Storage height       | 2.00 m        |
| Width                | 1.75 m        |
| Length               | 6.54 m        |
| Climbing ability     | 30 %          |
| Battery              | 8x6V – 420 Ah |
| Weight               | 6.500 kg      |
| Basket rotation      | ± 80 Degrees  |
| Radius of rotation   | 3.23 m        |
| Horizontal reach     | 7.40 m        |



| Technical Properties |               |
|----------------------|---------------|
| Number of vehicles   | 2 units       |
| Operating Height     | 12.00 m       |
| Platform Height      | 10.00 m       |
| Load capacity        | 320 kg        |
| Storage height       | 1.86 m        |
| Width                | 1.15 m        |
| Length               | 2.39 m        |
| Climbing ability     | 25%           |
| Battery              | 4x6V – 240 Ah |
| Weight               | 2.570 kg      |
| Machine width        | 1.15 m        |
| Radius of rotation   | 2.35 m        |



| Technical Properties |                 |
|----------------------|-----------------|
| Vehicle Brandname    | IMOW – ICE 353  |
| Lifting capacity     | 3000 – 3500 kg  |
| Tyre                 | Aired           |
| Fork length          | 45x125x1200 mm  |
| Pace                 | 12 km/h         |
| Lifting speed        | 0,36 m/h        |
| Lowering speed       | 0,43 m/h        |
| Fuel Type            | Electric-driven |
| Width                | 1230 mm         |
| Weight               | 4580-4950 kg    |
| Lifting height       | 480 cm          |

# Our Vehicle-Machine Park



| Technical Properties |             |
|----------------------|-------------|
| Vehicle Brandname    | Mitsubishi  |
| Platform Height      | 12 m        |
| Operating Height     | 14 m        |
| Lateral Reach        | 5.5 m       |
| Basket capacity      | 200 kg      |
| Number of booms      | 2 + 2       |
| Angle of rotation    | 270 Degrees |



| Technical Properties |                 |
|----------------------|-----------------|
| Vehicle description  | arora           |
| MODEL                | E-CAR AR-EV VAN |
| Charge distance      | 120-150 km      |
| Fuel type            | Electric-driven |
| Load capacity        | 760 kg          |
| Engine power         | 7.5 kW          |
| Maximum weight       | 1235 kg         |



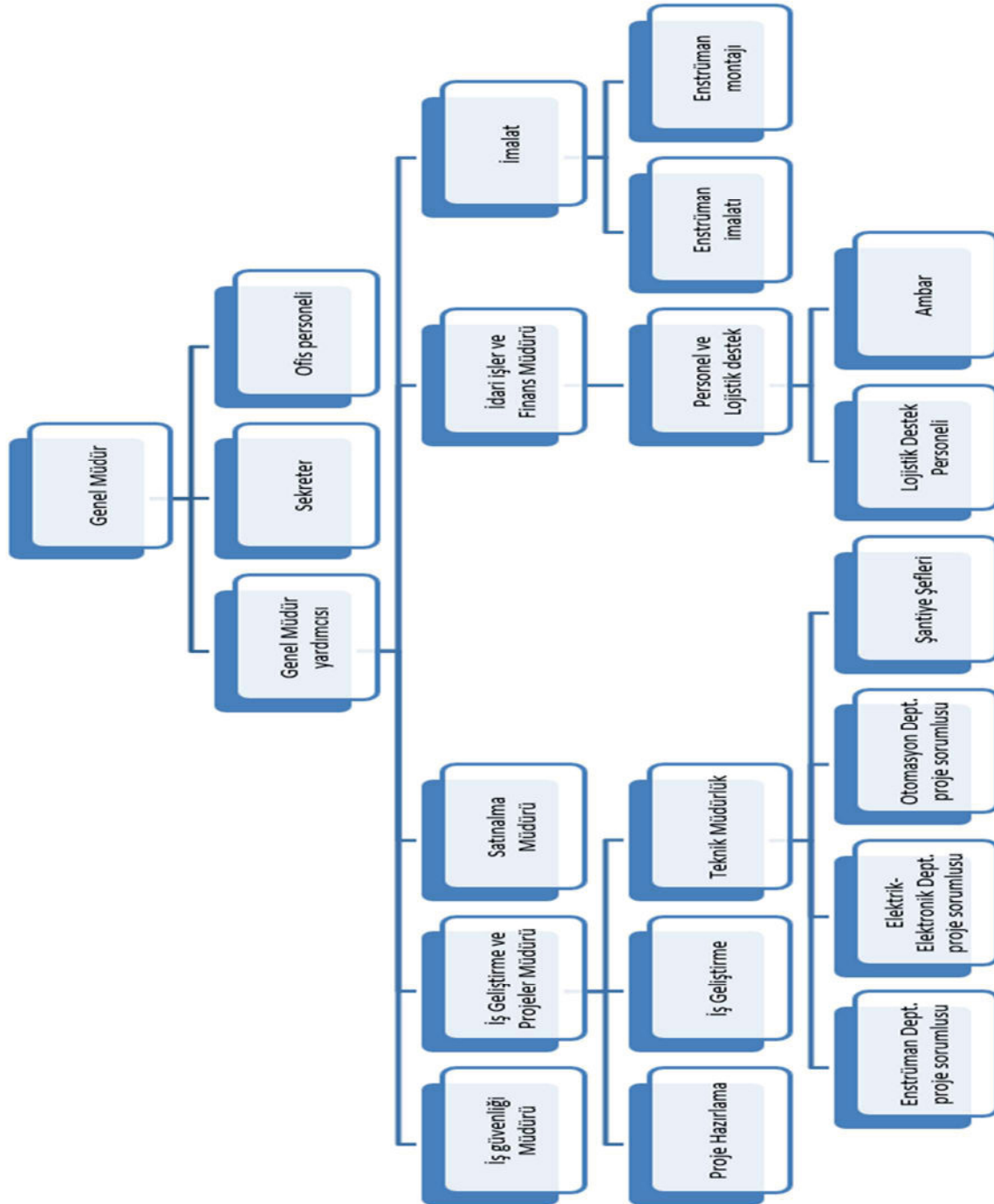
| Technical Properties |                 |
|----------------------|-----------------|
| Vehicle brandname    | Renault Master  |
| Load capacity        | 1500 kg         |
| Engine volume        | 2001 – 2500 cm3 |
| Engine power         | 151 – 175 hp    |
|                      |                 |
|                      |                 |
|                      |                 |



| Technical Properties |               |
|----------------------|---------------|
| Vehicle brandname    | Ford Transit  |
| Number of vehicles   | 2 units       |
| Load capacity        | 1500 kg       |
| Engine volume        | 2.0 L EcoBlue |
| Engine power         | 170 hp        |
|                      |               |
|                      |               |

our  
vehicle park

# Organisation Chart



# GEBZE KARGALI DISTRICT HALL

## Gebze Municipality – Disctrict Hall

- Lighting and illumination installation
- Installation of security and camera systems

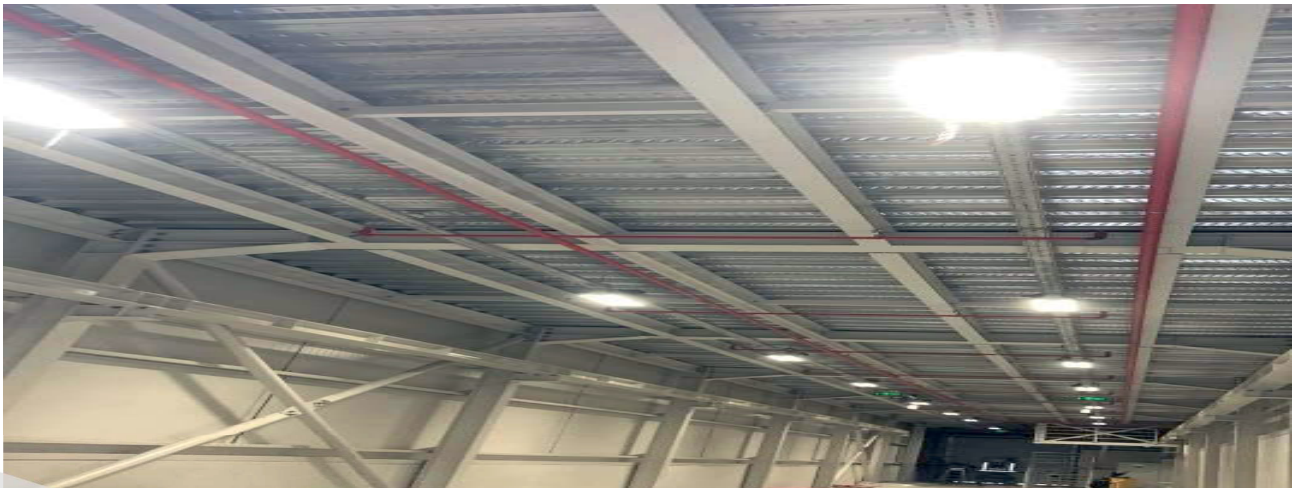




# HYUNDAI UTILITY WAREHOUSE

## Hyundai Assan Plant -Utility Warehouse Division

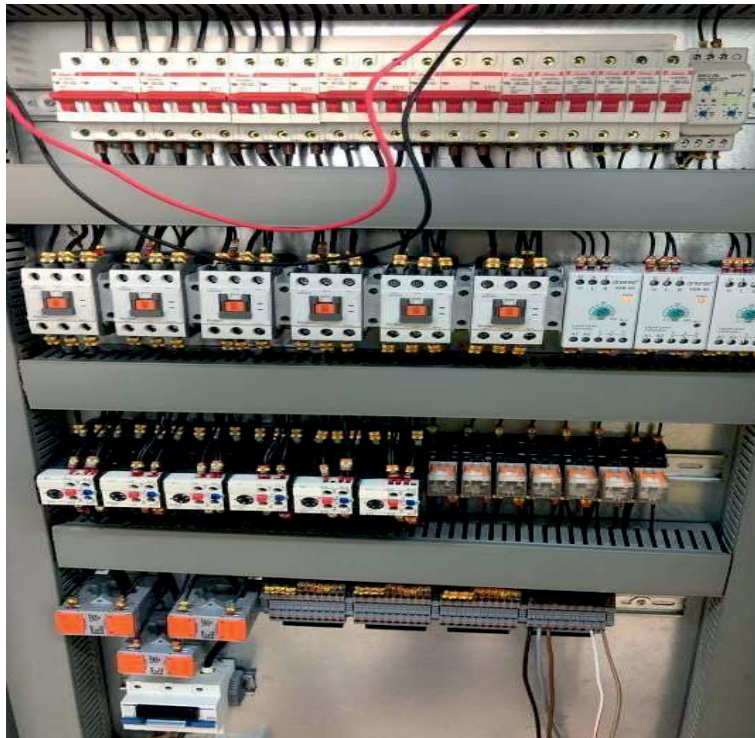
- Lighting project
- Rehabilitation of Low Voltage-Medium Voltage power lines
- Installation of Data-Network lines
- Installation of fire signal lines



# LIMAK CONSTRUCTION WASTE WATER PUMPING STATION

## Limak Construction

- Waste Water Pumping Station Low Voltage-Medium Voltage energy supply
- Installation of automation panel



# HYUNDAI NORTH CANOPY LIGHTING PROJECT



Hyundai Assan plant

- North Canopy division lighting project

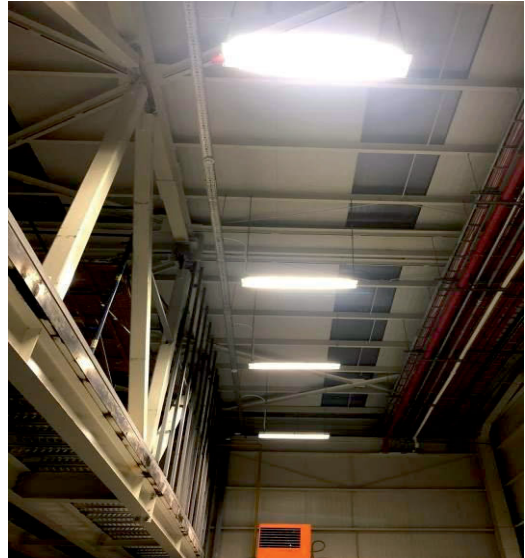




# HYUNDAI FACILITY WEAK CURRENT STRONG CURRENT

Hyundai Assan plant

- North Canopy division lighting project

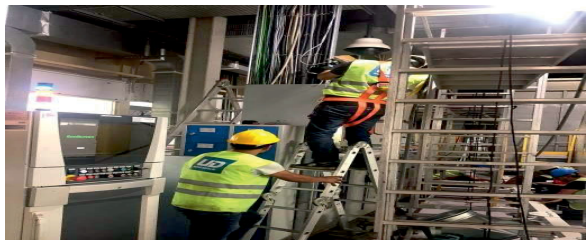
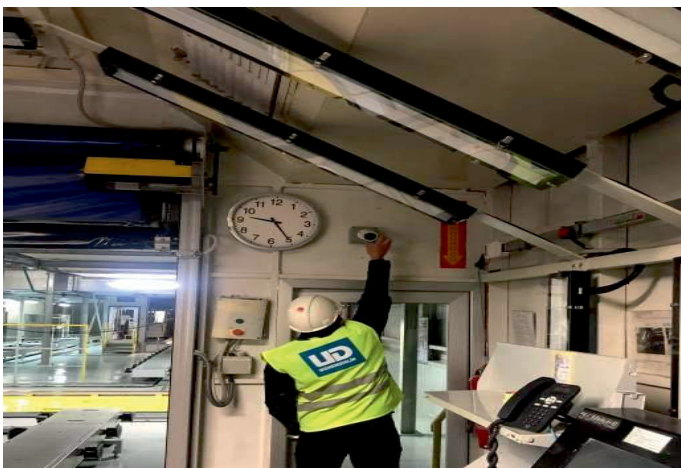


# HYUNDAI PAINTSHOP CAMERA



## Hyundai Assan Plant Paintshop Division

- Installation of camera systems
- Renovation of signal lines





## HYUNDAI PAINT SHOP LIGHTING BUSBAR

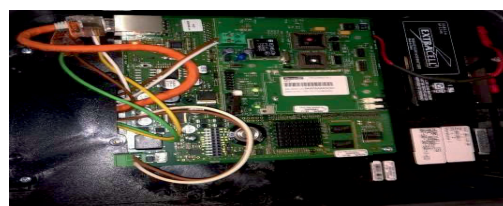
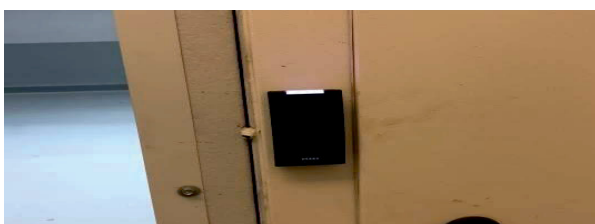
### Hyundai Assan Plant Paint Shop Division

- Installation of lighting system
- Rehabilitation of signalling lines



## HYUNDAI PAINT SHOP CARD PASS

### Installation of card access system

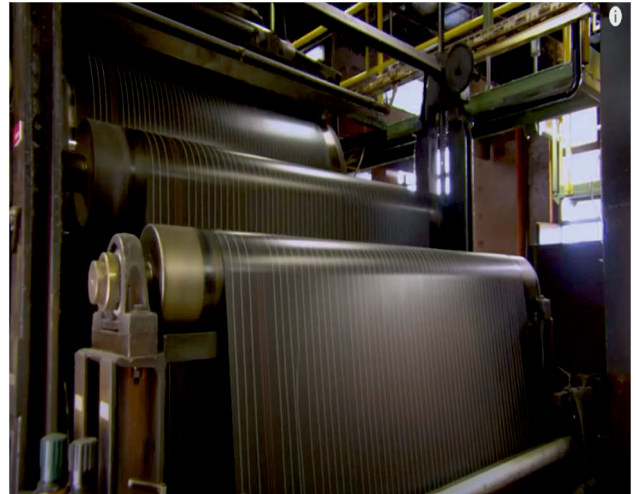


# BRISA ELECTRICAL MAINTENANCE WORKS



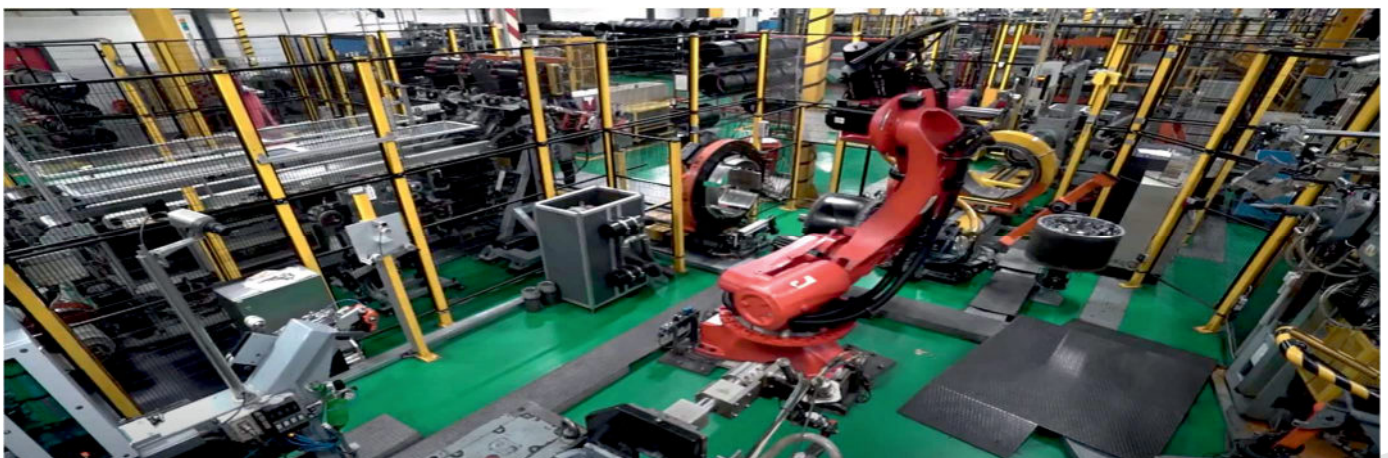
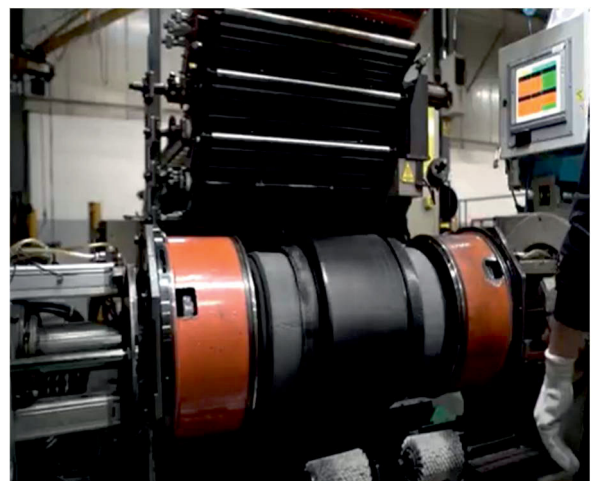
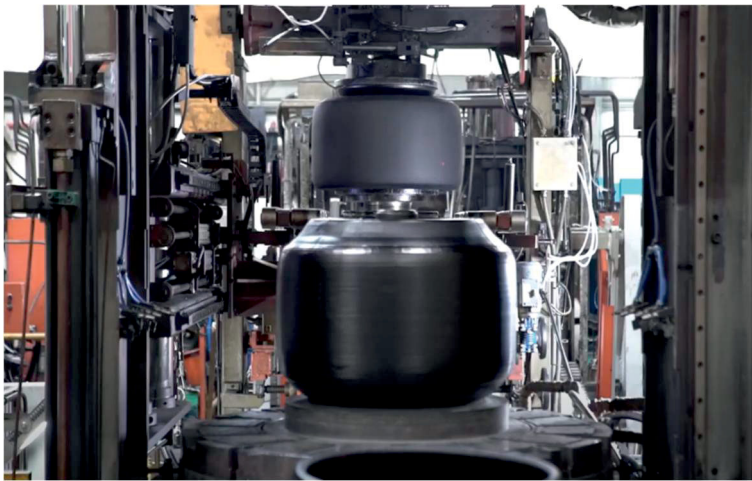
## Brisa Plant

- Electrical Maintenance works (Low Voltage-Medium Voltage)
- Data-Network lines contracting works
- Renovation of signalling systems
- Retrofitting of camera systems
- Installation of UPS systems
- Installation of Energy-Data Panels



## Prometeon-Pirelli tyre plant

- Electrical maintenance works
- Project and contracting works of Low Voltage-Medium Voltage lines for new sites
- Renovation of Data-Network lines
- Renovation of signalling systems

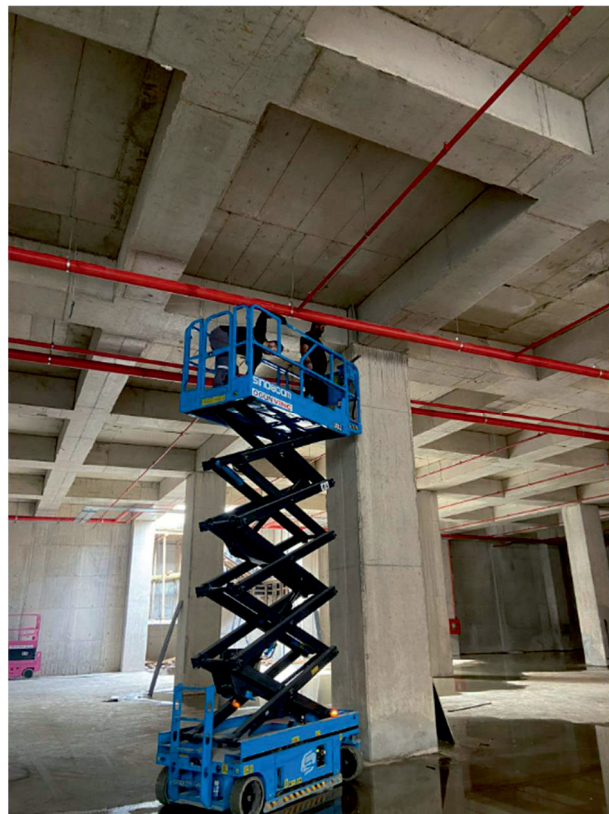
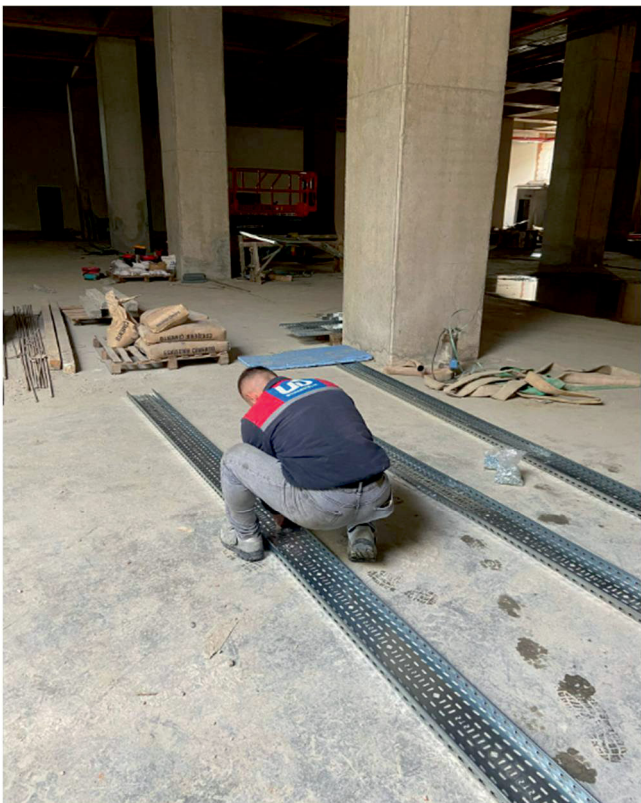
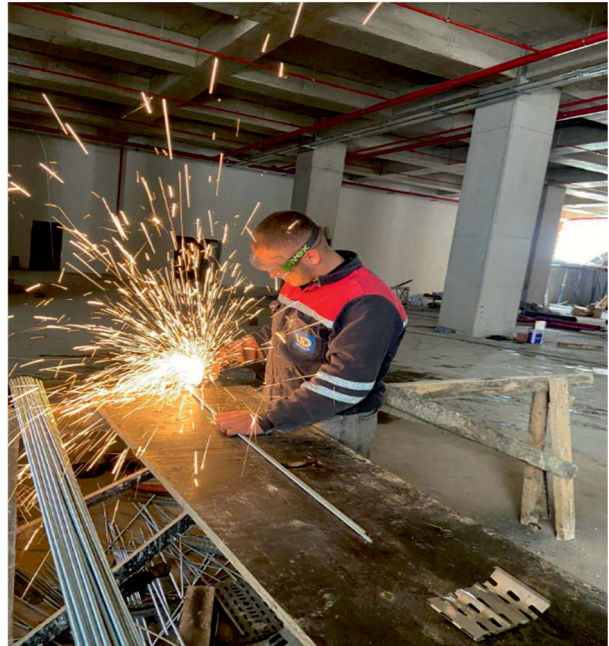


# DAS Auto Seat Syst. Plant New factory construction



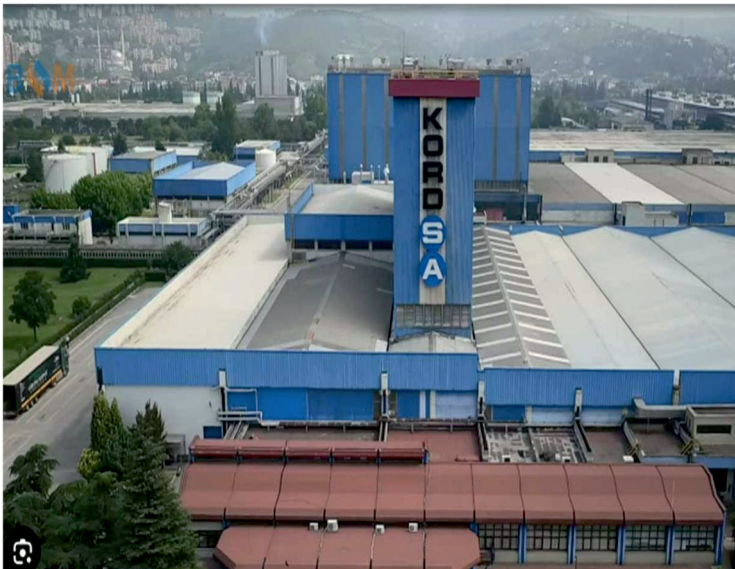
## DAS Auto Seat Syst. Plant

- Installation of LV-MV power lines, internal distribution installations
- Installation of camera systems
- Installation of UPS system
- Installation of Data-Network system
- Electrical maintenance works



## Kordsa plant

- Renovation of Low Voltage-Medium Voltage power lines and internal distribution installations
- Renovation of camera systems
- Renovation of Data-Network system
- Electrical maintenance works



# FRITOLAY-PEPSICO

## Electrical Maintenance Works



### FritoLay-Pepsico plant

- Installation of Low Voltage-Medium Voltage Power line equipment
- Renovation of Low Voltage Energy Panels
- Retrofitting of Data-Network line



### Inter Kombine plant

- Rehabilitation of Low Voltage-Medium Voltage power lines
- Renovation of Data-Network lines
- Installation of Low Voltage Power -Automation panels

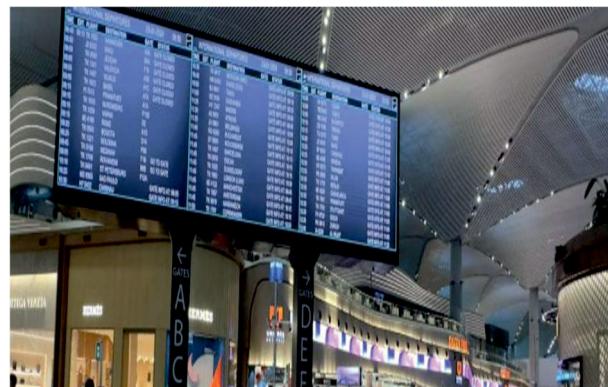
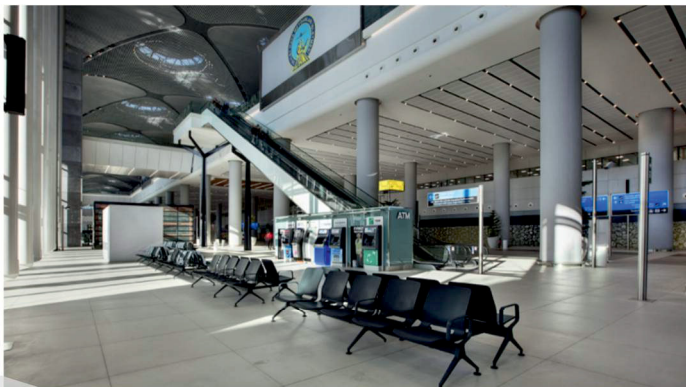
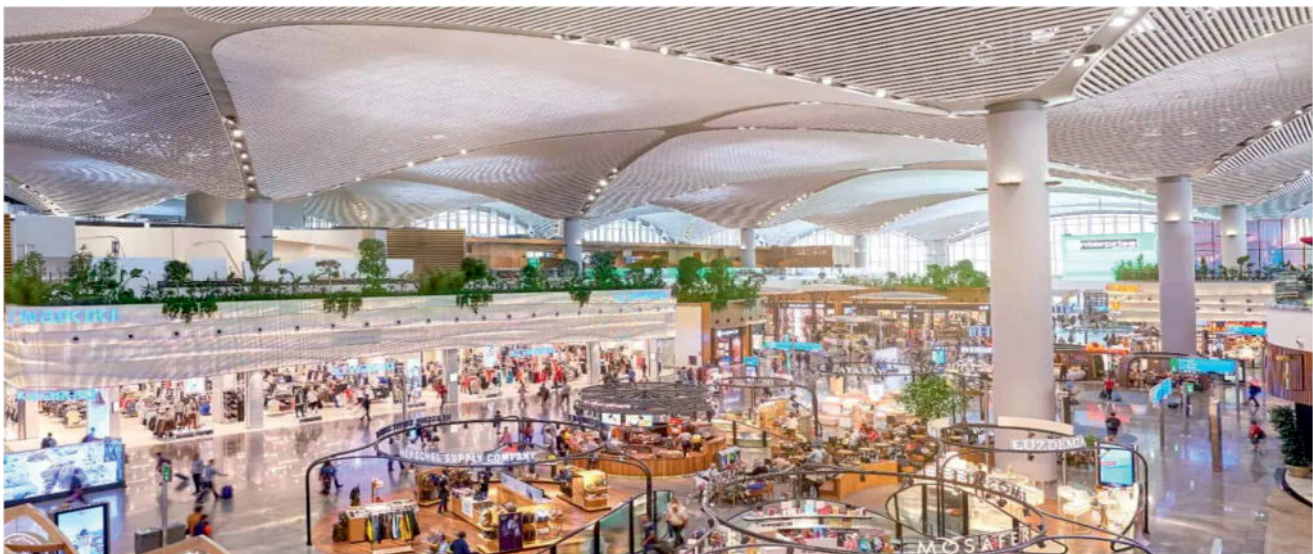


# IGA İstanbul Airport New Airport Construction Energy Projects



## IGA İstanbul Airport Construction

- Low Voltage-Medium Voltage power line and installation-Project supervisor
- Lighting-Illumination installation-Project supervisor
- Installation of Data-Network lines-Project supervisor
- Installation of automation systems - Project supervisor





*We are thankful to all our customers  
that have received our services.*

**Uğur DOĞAN**  
General Manager

# *Your solution partner*

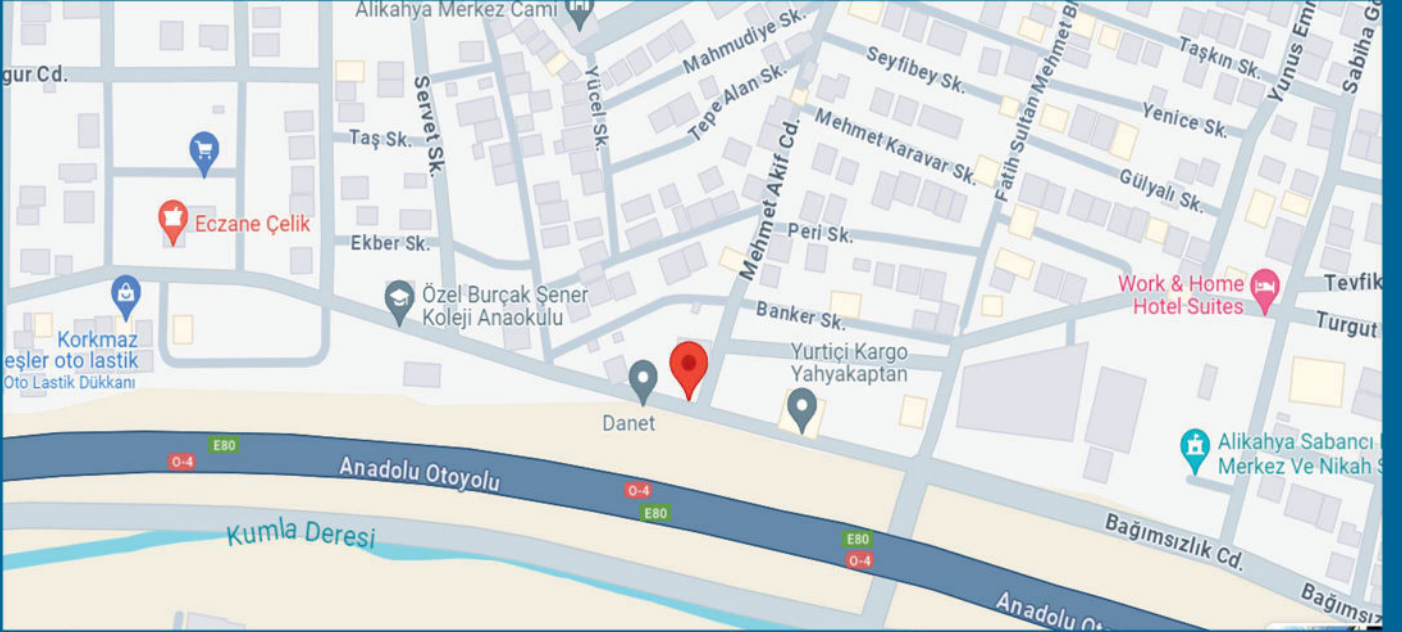


*We are thankful to all our customers  
that have received our services.*

**Uğur DOĞAN**  
General Manager



*Your solution partner*



**UD**  
ENGINEERING

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