

36<sup>th</sup>  
year



YOUR SOLUTION PARTNER  
For 24/7



**emsan**  
MÖHENDİSLİK  
ELEKTRİK - ELEKTRONİK VE MAKİNA  
SAN. TİC. LTD. ŞTİ.

EMSAN  
GROUP



**EMSAN A.Ş.**  
ELEKTRİK VE MAKİNA SAN. TİC. A.Ş.

Üçevler Mah. Akva San. Sit. 79. Sok. No:1/L  
BURSA

Üçevler Mah. Akva San. Sit. 79. Sok. No:1/N  
BURSA



**emsan**  
MÖHENDİSLİK  
ELEKTRİK - ELEKTRONİK VE MAKİNA  
SAN. TİC. LTD. ŞTİ.

EMSAN  
GROUP



**EMSAN A.Ş.**  
ELEKTRİK VE MAKİNA SAN. TİC. A.Ş.

Phone: 0224 441 61 81 Fax: 0224441 23 36  
[www.emsanmuhendislik.com.tr](http://www.emsanmuhendislik.com.tr)

36<sup>th</sup>  
year

It was founded in one of the industrial provinces of Turkey, Bursa, in 1978. It provides services in the areas of Electricity-Project-Automation and Contracting in Bursa, many cities of Turkey and abroad.

Our company, which deals with installation and maintenance of the lightning protection systems, grounding systems and High Voltage Transformer facilities to protect the interior and exterior lighting systems, power supplies and machine feeders of the industrial facilities, hospitals, business centers, shopping malls and factory buildings from lightning with a strong team of a 100 people, has acquired dealerships of the world-famous brands and extended its field of activity with the wholesale and retail sales of the products of these brands which offer state-of-the-art technology.

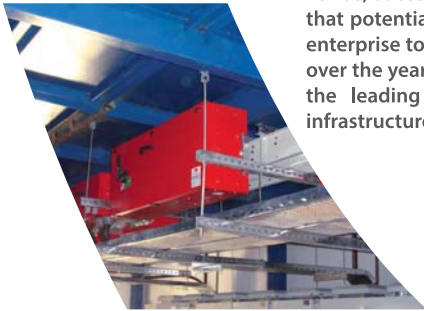
Besides the contracting services, our company has a mobile breakdown service to which our customer enterprises can reach 24 hours in case of any power failure. These technical teams consisting of specialized employees reach the failure point right after contacting the customer and give the necessary respond to the failure. Our technical staff provides services to the factories in different industries on PLC/SCADA automation systems, engine control, static compensation applications, energy analysis and harmonic measurement.

Our company provides the Electrical Business Responsibility, Advisory and Consultancy services of High Voltage Facilities to 80 enterprises and is the leading company of this field in Bursa. Moreover, we give projects and reports to more than 500 companies annually on engineering areas such as Grounding Reports, Transformer Maintenance Reports, Conformity Reports of Electrical Facilities, Conformity Reports of Conductor Facilities, Cathodic Protection Reports, etc. We provide controlling, measuring and reporting services within the framework of the Occupational Safety and Health Law applicable to the Ministry of Labor, TSE, Municipalities and all Government Agencies.

For us, success is finding the right customer base first and then maintaining that potential. Progressing in this direction, we are adding another valuable enterprise to our references, which we have established by our accumulation over the years and are sources of our pride, every day. Emsan Group is one of the leading organizations in the industry with its experience, strong infrastructure and perfectionist vision.

Güray BİLİR  
Electrical Engineer / Company Manager

***Emsan Group is one of the leading organizations in the industry with its experience, strong infrastructure and perfectionist vision.***



# Our Field of Activities



- Project consultancy
- Operating responsibility



- In-Plant installations
- Lighting installations



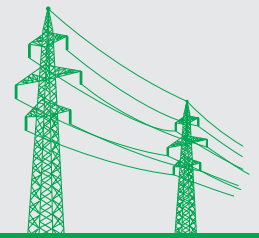
- Installation of transformer facilities
- Transformer maintenance
- Protection system testing



- Built-in panel mounting
- External panel mounting



- Automation systems
- Power compensation
- Static compensation
- Energy monitoring system



- Power transmission lines
- HV pole mounting
- Lighting poles



- Lightning protection systems
- Generator systems



- Security systems
- 24/7 breakdown service



- Any kind of grounding
- Exoweld thermal source
- Grounding measurement



- Medium voltage
- Low voltage
- Material sales

# Sales Department



QUALITY SERVICE



QUICK OFFER



SOLUTION-ORIENTED

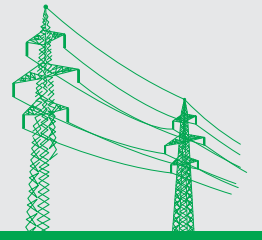


FRIENDLY



*We always stand by you...*

# Our Solution Partners



**ABB**



**PHILIPS**

**SIEMENS**

**V:KO**

**Schneider Electric**

**OSRAM**



**Klemsan**<sup>®</sup>

**cemdağ**

**legrand**<sup>®</sup>



**ARLIGHT**



**ENTES**

**ENTON**

**Mutlusan electric**

**EMAS**

**MAKEL**<sup>®</sup>

**Safak**

**BİRTAŞ KABLO**<sup>®</sup>

**PRYSMIAN**  
CABLES & SYSTEMS

**PHOENIX CONTACT**

**Kraus & Naimer**

**ŞA-RA**

# Project Consultancy



**EXPERIENCE**



**SPEED**



**SOLUTION**

**TECHNICAL SUPPORT SERVICE**

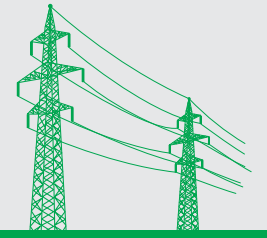


**24/7**



**Fast and safe solutions for all your failure and maintenance needs with the 24/7 technical consultancy service**

# Our References



- Electrical infrastructure systems of Gemport A.Ş. Ground Platform-North Lands link road
- Electrical infrastructure systems of Gemport A.Ş. North Lands empty container storage area new customs area – ground platform – north lands link road
- Electrical infrastructure systems of E-RTG electrification of Gemport Gemlik Liman ve Depolama İşletmeleri A.Ş. (Port and Storage Management Inc.)
- 56-socket Refeer control and automation panel of the Ground Platform

## GEMPORT



- 5.5 MVA transformer facility and power transmission lines of Yilport – Gemlik Port
- Low voltage and weak current electrical facility assembly of Gemlik Port
- Project-approved and materials-included performance of the electrical power supply required for the fire extinguishing system of the main terminal of Yilport Gebze Dilovası Port

## YILPORT



- Electrical infrastructure works of the conversion of the existing parking lot into a container storage area and increasing capacity of the current RF plug systems of the Borusan Lojistik Gemlik port modification and extension project Phase 2 west terminal
- Electrical infrastructure system of Borusan Gemlik Port Management E-RTG electrification
- Borusan Lojistik Analyzer installation – Refeer panel electrical installation - Outdoor Lighting

## BORUSAN LOJİSTİK



# Our references



- İpekiş Mensucat Türk A.Ş.  
2000 kVA+2000 kVA+1600 kVA E.N.H.  
Transformer facility + project
- 2x1600 +1000 kVA transformer facility  
In-plant electric, lighting and power installations  
Intercom, fire - burglar alarms, camera, CCTV and access control systems and building automation  
Generator installation

## İPEKİŞ



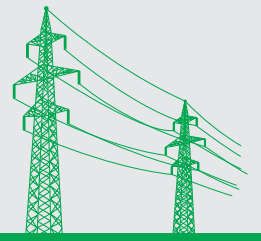
- Natura Gıda A.Ş Ülker Golf Dondurmaları Bursa  
2x1600 kva transformer facility + project,  
factory power installations
- Ülker Golf Dondurmaları K. Maraş İşletmesi  
Energy transmission line  
2x1600 kVA transformer facility  
2x770 kva generator facility  
Internal lighting and busbar installations  
Fire detection and alarm system  
Fiber-optic communications,  
Network and phone line installations  
Strong and weak current installations of the administrative building and operation offices

## ÜLKER (Natura Gıda)



- 2500 kVA transformer facility + project
- 4000 kVA transformer facility and high voltage cells assembly
- 2000 kVA transformer facility
- Formaldehyde 5 facility project and complete electrical instrument installation

## MKS



- Eti Gümüş Madencilik A.Ş.  
2500 kVA +1600 kVA transformer facility  
22.3 MVA MV and transformer installation
- Assembly of 25 pieces of pole-type Oedaş transformer erection and 2 MV root center installation
- Çankırı Ceramic Factory Kurşunlu Facility
- Electrical and automation systems of the new crane unit
- 30 SMD mill facility project and automation
- 5 Tank systems and 1st Paddock station facility project

## YILDIZLAR HOLDİNG



- Sançim Bilecik Çimento 25MVA10 km double circuit 477 MCM galvanized bolted iron Power Transmission Line installation
- Sançim Yenişehir 400 kVA transformer facility project
- Sançim Bilecik Çimento 3 TEİAŞ distribution center installation

## SANÇİM



- Nestle Gıda A.Ş. CPT Factory 6. Roll MCC and field installations.
- Electricity, lighting and weak current installations of the new warehouse
- Machine feeding line
- IP camera installations

## NESTLE

# Our references



- Doruk Tıp 90-Bed Private Yıldırım Hospital  
1250 Kva Transformer Facility + Project  
Electricity, illumination and power installations+ building automation  
Fire - burglar alarms, camera, CCTV, access control system, internal installation assembly  
Insulation boards and panels
- Doruk 30-Bed Private Bursa Hospital  
Power Transmission Line  
630 kVA generator installation  
Electricity, illumination and power installations  
Intercom, fire - burglar alarms, camera, CCTV and access control systems and automation

## DORUK HOSPITAL



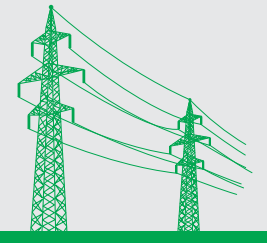
- Private Medicabil Hospital  
Electricity, illumination and power installations  
Intercom, fire - burglar alarms, camera, CCTV  
Access control systems and automation  
1250 kVA transformer installation + project

## MEDICABIL HOSPITAL



- Toprak Sağlık Grubu (Health Group) Private Marmara Hospital  
Heavy current installations + lighting installations  
Fire detection and alarm system  
Network and phone installations  
1250 kVA transformer facility + project

## TSG PRIVATE MARMARA HOSPITAL



- 2000 kVA + 2000 kVA + 1600 kVA transformer facilities
- In-plant electrical installations (Machine installations – Busbar assemblies, cabling - installation of cable trays – interior lighting)
- Outdoor lighting installations, lightning protection facilities
- Energy analyzer system

## ORHAN HOLDİNG MATAY



- ORDA 2500 kVA transformer facility + project
- Power control installations of the factory
- Electrical installations of the entire administrative building
- Cogeneration-transformer-generator synchronous automation
- ORCIA medium-voltage power transmission line facility
- Installation of 630 kVA transformer

## ORHAN HOLDİNG ORDA - ORCIA



- 2000 kVA transformer facility + project
- Complete electrical installations in the plant (Machine installations – Assemblies of Busbar, cabling – installation of cable trays – interior lighting)
- Fire detection system
- Outdoor lighting installations, lightning protection facilities
- Electrical installations of the administrative building

## ORHAN HOLDİNG ORMETAL



- Electrical installations of Teknik Oto showroom
- Teknik Malzeme factory dismantling
- Dosab Busbar installations
- Additional factory installations of Dosab Facilities
- Additional lighting installations

## ORHAN HOLDİNG TEKNİK MALZEME - TEKNİK OTO

## Our references



- 1250 kVA transformer facility  
Disassembly – assembly of the high voltage cells  
Building lighting, electricity and generator installations  
Intercom, fire - burglar alarms, camera, CCTV  
Lightning Rod, aircraft warning and outdoor lighting installations

### TÜZE KULE



- Assemblies of Martur Geçit 1600 kVA transformer facility + PTL Transformer facilities  
Installation of distribution panels  
Installation of busbar power installations  
Electrical installations in the factory and administrative building

### ÜSTÜNBERK HOLDİNG MARTUR



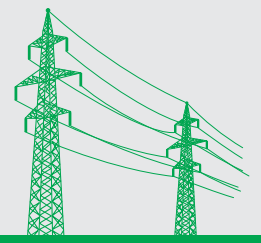
- Fompak Nosab  
1000 kVA transformer facility  
Disassembly – assembly of 2x1250 kVA transformer facilities  
Injection press 2000 A Busbar line

### ÜSTÜNBERK HOLDİNG FOMPAK



- MAYA İNŞAAT – Leroy Merlin (Bursa)  
Complete electrical installations  
Installation of the strong and weak current wirings of the construction market

### LEROY MERLİN



- ÇİMTAŞ Petkim Aliğa  
Instrument assembly and wiring of the  
Aromatic Gases Factory A-type RMS station

## ÇİMTAŞ



- Süttaş Aksaray – Karacabey Biogas  
Power Generation Plant (Cogeneration)
- Radisson Hotels Şişli Cogeneration
- Radisson Hotels Taksim Cogeneration
- Uşak Seramik Cogeneration
- Waste Water Treatment Plant of Diyarbakır  
Municipality
- Biogas Fueled Cogeneration Facility

## TOPKAPI ENERGY



- Power Transmission Lines, LV – HV Network  
installations of province, districts and villages of  
Kütahya OEDAŞ  
Installation of the Transformer and Distribution  
Centers
- Orhan Holding A.Ş.  
Installation of 2x477 MCM power transmission lines  
Equipping the step-down transformer station of  
TEİAŞ  
30 km. galvanized bolted iron pole PTL facility
- Gemlik Gübre PTL modification

## POWER TRANSMISSION LINE (PTL)



- Busbar system of the enterprise  
Machine feeds  
In-plant lighting  
4x2500 (Hermetic) + 2 x1600 (dry-type) tran  
former facility + project

## BIEN SERAMİK

# Our operating responsibilities

## THE COMPANIES WE PROVIDE CONSULTANCY SERVICES AND UNDERTAKE OPERATING RESPONSIBILITY

GEMPORT GEMLİK LİMAN DEPOLAMA A.Ş.	9050 kVA
PMS METAL PROFİL ALÜMİNYUM SAN. TİC. A.Ş.	(2x2500)+3200 kVA
BURSA ŞEVKET YILMAZ DEVLET HASTANESİ	(2x2500)+(2x1600) kVA
NATURA GIDA SAN. TİC. A.Ş. (NİLÜFER)	(4x1600)+400 kVA
MARTUR SÜNGER VE KOLTUK TEKS. TİC. SAN. A.Ş. (OSB)	(2x2000)+2500 kVA
İPEKİŞ MENSUCAT TÜRK A.Ş. (DOSAB)	(2x1600)+1000 kVA
ORDA OTOMOTİV YAN SAN. TİC. A.Ş.	2500+1600 kVA
FAH METAL DÖKÜM SAN. TİC. LTD. ŞTİ.	2500+1000 kVA
HAYRİ ÖGELMAN MADENCİLİK A.Ş.	1600+400+400 kVA
TJK DERNEĞİ AT YET. VE YARIŞ İKTİSADİ İŞLETMESİ (BURSA HİP)	(3x400)+630+250+100 kVA
PMS ALÜMİNYUM DÖKÜM METAL BOYA SAN. TİC. LTD. ŞTİ.	2000 kVA
TEKNİK MALZEME SAN. TİC. A.Ş. (KILIF)	2000 kVA
INTRIM OTOMOTİV ve YALITIM MALZEMELERİ SAN. ve TİC. A.Ş.	2000 kVA
GÜZELDAĞ ÖRME-DOKUMA-DERİCİLİK SAN. TİC. LTD. ŞTİ.	2000 kVA
İPEKİŞ MENSUCAT TÜRK A.Ş. (MERİNOS)	2000 kVA
REKOR DOKUMACILIK SAN. TİC. A.Ş.	2000 kVA
NATURA GIDA SAN. TİC. A.Ş. (KARACABEY)	2000 kVA
ORMETAL YEDEK PARÇA SAN. ve TİC. A.Ş.	2000 kVA
SAYKİM PLASTİK AMBALAJ SAN. ve TİC. LTD. ŞTİ.	1000+(2x400) kVA
TJK KARACABEY PANSİYON HARA MÜDÜRLÜĞÜ (KARACABEY)	(3x400)+250+160 kVA
TEKNİK MALZEME SAN. TİC. A.Ş. (SÜNGER)	1600 kVA
ESF TEKSTİL BOYA BASKI APRE SAN. TİC. LTD. ŞTİ.	1600 kVA
MARTUR SÜNGER VE KOLTUK TEKS. TİC. SAN. A.Ş. (GEÇİT)	1600 kVA
MATAY OTOMOTİV YAN SAN. TİC. A.Ş.	1600 kVA
FOMPAK AMBALAJ ve POLİÜRETAN SAN. ve TİC. A.Ş.	1600 kVA
ŞAHTERM ELEKTRİKLİ ISITICILAR SAN. ve TİC. LTD. ŞTİ.	1600 kVA
MEDİKA-BİL SAĞLIK HİZMETLERİ SAN. ve TİC. LTD. ŞTİ.	1250 kVA
İSİŞAH ENDÜSTRİYEL REZİSTANS VE İSİ EKİPM. SAN. TİC. A.Ş.	1000 kVA
HDM ÇELİK BORU SAN. ve TİC. A.Ş.	1000 kVA
AKIŞ BOYA SAN. ve TİC. A.Ş.	1000 kVA
ERHUN METAL MOBİLYA VE AKS. SAN. ve TİC. A.Ş.	1000 kVA
VATAN PRES OTOMOTİV ve METAL EŞYA SAN. TİC. LTD. ŞTİ.	1000 kVA
PAYE MAKİNE ve METAL ÜRETİM SAN. TİC. LTD. ŞTİ. (2)	1000 kVA
SİSTEMİ COMANDİ MECCANİCİ OTOMOTİV SAN. TİC. A.Ş.	1000 kVA
SONOCO AMBALAJ SAN. TİC. LTD. ŞTİ. (OSB)	1000 kVA
ULUDAĞ İHRACATÇI BİRLİKLERİ GENEL SEKRETERLİĞİ	1000 kVA
BİNSA YAPI SAN. ve TİC. LTD. ŞTİ.	1000 kVA
KAPİMSAN OTOMOTİV SAN. VE TİC. LTD.ŞTİ.	500+400 kVA
BİLİM MAKİNA İNŞAAT SAN. ve TİC. A.Ş.	800 kVA
E.G. PRES KALIP SAN. TİC. LTD. ŞTİ.	400+250 kVA
MARTUR OTOMOTİV YAN SAN. TİC. A.Ş. (NOSAB)	400+250 kVA
PAS OTOMOTİV SAN. TİC. LTD. ŞTİ.	500 kVA
BASE KAUCUK SAN. TİC. A.Ş.	500 kVA
KOCALAR GIDA SAN. TİC. LTD. ŞTİ.	250+250 kVA
METKON ENDÜSTRİYEL CİHAZ SAN. TİC. LTD. ŞTİ.	400 kVA



## THE COMPANIES WE PROVIDE CONSULTANCY SERVICES AND UNDERTAKE OPERATING RESPONSIBILITY

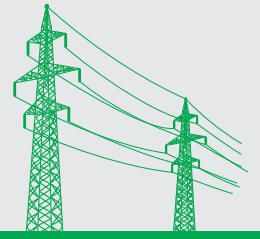
SALTÜRK GIDA SAN. ve TİC. LTD. ŞTİ.	400 kVA
OBASAN GIDA TEKSTİL İNŞAAT SAN. TİC. A.Ş.	400 kVA
PAK PLAS PLASTİK TEKSTİL SAN. TİC. LTD. ŞTİ.	400 kVA
GEMLİK GÜBRE SANAYİİ A.Ş. (ORHANGAZI ŞUBESİ)	400 kVA
M.T. MERCAN TEKSTİL SAN. TİC. LTD. ŞTİ.	400 kVA
UNİMAK MAKİNE SAN. TİC. LTD. ŞTİ.	400 kVA
ERKEN MAKİNA SOĞUK HAVA DEPO SAN. ve TİC. LTD. ŞTİ.	400 kVA
AYTEK ALMAN YAY TEKNİK SAN. ve TİC. LTD. ŞTİ.	400 kVA
KONFİDA AMBALAJ SAN. TİC. LTD. ŞTİ. (1)	400 kVA
KONFİDA AMBALAJ SAN. TİC. LTD. ŞTİ. (2)	400 kVA
İHTİSAS MAKİNE SAN. TİC. LTD. ŞTİ.	400 kVA
PAYE MAKİNE ve METAL ÜRETİM SAN. TİC. LTD. ŞTİ. (1)	400 kVA
PAYE MAKİNE ve METAL ÜRETİM SAN. TİC. LTD. ŞTİ. (3)	400 kVA
PODİM POLİSAJ DİSKLERİ ZİMPARA SAN. TİC. LTD. ŞTİ.	400 kVA
SONOCO AMBALAJ SAN. TİC. LTD. ŞTİ. (NOSAB)	400 kVA
TTS HİDROLİK PNÖMATİK ELEMANLARI SAN. TİC. LTD. ŞTİ.	400 kVA
DASEL OTOMOTİV ÜRÜNLERİ SAN. ve TİC. A.Ş.	400 kVA
PANOTEKS TEKSTİL SAN. ve TİC. A.Ş.	400 kVA
ARPRES LTD. ŞTİ.	400 kVA
BEYDA PLASTİK SAN. TİC. A.Ş.	400 kVA
BİLİM ÇELİK YAPILAR SAN. TİC. LTD. ŞTİ. (ÖZBEY MAKİNE)	400 kVA
ELRİNGKLİNGER TR OTOMOTİV SAN. TİC. A.Ş.	400 kVA
ALPİN KİMYA A.Ş.	250 kVA
BURSA IŞIKLAR MOBİLYA GIDA TEKSTİL SAN. TİC. LTD. ŞTİ.	250 kVA
İP-EL PLASTİK SAN. VE LTD. ŞTİ.	250 kVA
YAPICI KARDEŞLER SAN. ve TİC. KOLL. ŞTİ.	250 kVA
ADALI PLASTİK KALIP LTD. ŞTİ.	250 kVA
ECS ELEKTRİK ENJ. ve KABLO SİST. SAN. ve TİC. A.Ş.	250 kVA
ELİT PREFABRİKE BETON İNŞAAT SAN. TİC. LTD. ŞTİ.	250 kVA
İLKA ŞEKERLEME MAMÜLLERİ GIDA SAN. TİC. LTD. ŞTİ. (2)	250 kVA
UZMAN YAY MAKİNE SAN. A.Ş.	250 kVA
TEKNİK OTO SERVİS AKARYAKIT TURİZM SAN. TİC. A.Ş.	250 kVA
PIONEER TOHUMCULUK A.Ş.	250 kVA
İLKA ŞEKERLEME MAMÜLLERİ GIDA SAN. TİC. LTD. ŞTİ. (1)	160 kVA
ULUDAĞ KAR OTEL	100 kVA
ALANAR MEYVE ve GIDA ÜRETİM PAZARLAMA A.Ş.	50 kVA
B.A.T. EXPORTS B.V. (BRİTİŞ AMERİCAN TOBACCO)	50 kVA
ALAKART GIDA YEMEK ÜRETİM İNŞAAT SAN. TİC. LTD. ŞTİ.	50 kVA
NUMAN KALELİ YAPI TESİSAT ve İNŞAAT MALZEMELERİ TİC. A.Ş.	50 kVA
KARADENİZ AVİZE SAN. TİC. LTD. ŞTİ.	50 kVA
YILDIRIM SOĞUTMA ve HAVA KOMP. İNŞ. GIDA SAN. TİC. LTD. ŞTİ.	50 kVA
BEŞYOL OTOMOTİV NAK. MAR. PET. ÜRÜN. SAN. ve TİC. LTD. ŞTİ.	A.G.
KIRCILAR TURİZM SAN. TİC. A.Ş.	A.G.
DOĞAN KARAKAYA TURİZM LTD. ŞTİ.	A.G.
TÜZE İŞ MERKEZİ YÖNETİCİLİĞİ	A.G.



## Some of our references

### SOME OF OUR REFERENCES FOR THE FACILITIES WITH 50-400 KVA TRANSFORMERS

AKTÜL TEKSTİL A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
ALİOSMAN SÖNMEZ A.Ş.....	250 KVA TRANSFORMER FACILITY + PROJECT
ALPİN OTOMOTİV A.Ş. ....	250 KVA TRANSFORMER FACILITY + PROJECT
AROMA A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT + P.T.L
ARSLANLAR SOSYAL TESİSLERİ.....	250 KVA TRANSFORMER FACILITY + PROJECT
BARIŞCI AJANS A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
BARİ PETROL KOLL.ŞTİ.....	100 KVA TRANSFORMER FACILITY + PROJECT
BECERİKLİ DERİCİLİK LTD.ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
BURSA BETON AŞ. KÜTAHYA TESİSİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
BUSEB / GEMLİK.....	100 KVA TRANSFORMER FACILITY + PROJECT
BEŞEL OTO CAM SANAYİİ A.Ş.....	250 KVA TRANSFORMER FACILITY + PROJECT
BORUSAN LOJİSTİK A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
BURSA BETON TAVŞANLI YALOVA TESİSİ.....	250 KVA TRANSFORMER FACILITY + PROJECT
CEBEL TEKSTİL LTD ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT + COMPLETE PLANT
DİLHAN TEKSTİL A.Ş.....	250 KVA+250 KVA TRANSFORMER FACILITY + PROJECT
DASEL OTOMOTİV LTD ŞTİ. ....	400 KVA TRANSFORMER FACILITY + PROJECT
DOĞU PRES LTD.ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
DOĞUŞ OTOMOTİV A.Ş. (DOĞUŞ HOLDİNG).....	160 KVA TRANSFORMER FACILITY + PROJECT
EL Sİ ELEKTRİK SİSTEMLERİ LTD.ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
ERİKLİ MEMBA SUYU A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
GÜRLAST A.Ş. ....	400 KVA TRANSFORMER FACILITY + PROJECT
GEMPORT.....	400 KVA DISASSEMBLY – ASSEMBLY
GEMLİK GÜBRE .....	400 KVA TRANSFORMER FACILITY + PROJECT
HAKSAN OTOMOTİV A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
HANEDAN MOBİLYA.....	400 KVA TRANSFORMER FACILITY + PROJECT
HAS TAVUK.....	250 KVA TRANSFORMER FACILITY + PROJECT
İLKA ŞEKERLEME.....	250 KVA TRANSFORMER FACILITY + PROJECT
KAFKAS PASTA ŞEKERLEME A.Ş. ....	100 KVA TRANSFORMER FACILITY + PROJECT
KARMAS MAKİNE A.Ş. ....	400 KVA TRANSFORMER FACILITY + PROJECT
KAYMAKLAR SOĞUTMA LTD ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT + COMPLETE PLANT
KOMVEK LTD ŞTİ. ....	400 KVA TRANSFORMER FACILITY + PROJECT + COMPLETE PLANT
KURTARAN ISI A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
KURTARAN OTO A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
KESKİNOĞLU.....	250 KVA TRANSFORMER FACILITY + PROJECT
MARTUR .....	100 KVA TRANSFORMER FACILITY + PROJECT TRANSFORMER INSULATE
M.F.K. A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
MURAT GIDA LTD ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
NGA MİMARLIK.....	400 KVA TRANSFORMER FACILITY
OBAŞ YEMEK SAN A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
OKSAN OTO LTD ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
ORGANO KİMYA A.Ş. ....	400 KVA TRANSFORMER FACILITY + PROJECT
ÖZEL TUNÇSİPER LİS.....	250 KVA TRANSFORMER FACILITY + PROJECT
PAYE MAKİNA LTD.ŞTİ.....	160 KVA TRANSFORMER FACILITY + PROJECT
PAYE MAKİNA LTD.ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
PENGUEN A.Ş.....	50 KVA TRANSFORMER FACILITY + PROJECT
PODİM LTD.ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
REKOR DOKUMACILIK A.Ş.....	400 KVA TRANSFORMER FACILITY + PROJECT
SANÇİM YENİŞEHİR.....	400 KVA TRANSFORMER FACILITY + PROJECT
S.S.ALTINMALA KONUT YAPI KOOP.....	400 KVA TRANSFORMER FACILITY + PROJECT
ŞEM LASTİK A.Ş.....	250 KVA TRANSFORMER FACILITY + PROJECT
UNİMAK.....	MODIFICATION OF TRANSFORMER FACILITY
TURPET LTD.ŞTİ.....	100 KVA TRANSFORMER FACILITY + PROJECT
TURBEL GIDA A.Ş.....	100 KVA TRANSFORMER FACILITY + PROJECT
ULUDAĞ MADEN SULARI LTD.ŞTİ.....	2X400 KVA TRANSFORMER FACILITY + PROJECT
ULUDAĞ TEKSTİL LTD.ŞTİ.....	400 KVA TRANSFORMER FACILITY + PROJECT
YAKATEKS.....	400 KVA TRANSFORMER FACILITY + PROJECT



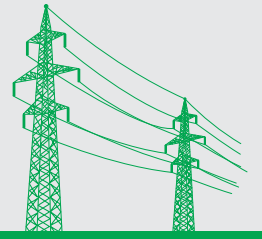
## SOME OF OUR REFERENCES FOR THE FACILITIES WITH 630 kVA and HIGHER POWER TRANSFORMERS

AKBAŞLAR TEKSTİL A.Ş.	.....2500 KVA REGEL TRANSFORMER FACILITY
AKVA SANAYİ YAPILARI.....	630 KVA+630 kVA+1000 kVA TRANSFORMER FACILITY + PROJECT
ALMİRA OTEL.....	1000KVA TRANSFORMER FACILITY + PROJECT
APEKS GIDA SAN.A.Ş.....	2000 KVA P.T.L. TRANSFORMER FACILITY + PROJECT
AFŞİN TEKSTİL.....	1600 KVA + PROJECT
ASS LTD ŞTİ.....	2000 KVA +1000 KVA P.T.L. ROOT TRANSFORMER FACILITY + PROJECT
BİLECİK ÇİMENTO A.Ş.....	1000 KVA +250 KVA +P.T.L. ROOT TRANSFORMER FACILITY + PROJECT
BAHAR DÖŞEM A.Ş.(SAYILGAN GRUBU).....	1000 KVA TRANSFORMER FACILITY + PROJECT
BEYÇELİK A.Ş.....	1600 KVA + 1000 kVA TRANSFORMER FACILITY + PROJECT
BORUSAN LİMAN İŞLETME.....	E-RTG ELECTRIFICATION,ELEC.INFRASTRUCTURE
BURDENT.....	1000 KVA TRANSFORMER FACILITY
BIEN SERAMİK.....	4x2500 KVA (hermetic) +2x1600 KVA (dry type) TRANSFORMER FACILITY
BUSEB İNTİRİM.....	2000 KVA TRANSFORMER FACILITY + PROJECT
ÇEMTAŞ A.Ş.....	34,5/0,690 kV3x477 MCM DOUBLE CIRCUIT 775 MT B.T.L. M.V DISTRIBUTION
ÇEMTAŞ A.Ş.....	CNT.1250 KVA TRANSFORMER FACILITY 4300+2000 KVA TRANSFORMER FACILITY PROJECT
CEYLAN METAL.....	1250 KVA TRANSFORMER FACILITY + PROJECT COMPLETE PLANT
CİLACILARVEMADENİ. EŞYAKOOP.İSTANBUL.....	2x1000 KVA+1250 KVTRANSFORMER FACILITIES
DORUK HOSPITAL.....	1250 KVA TRANSFORMER FACILITY+PROJECT
ETİ GÜMÜŞ MADENCİLİK A.Ş.....	2500 KVA +1600 KVA TRANSFORMER FACILITY
ETİ GÜMÜŞ MADENCİLİK A.Ş.....	22.3 MVA M.V. AND TRANSFORMER FACILITY
ELBA A.Ş.(ECA HOLDİNG).....	1600 KVA TRANSFORMER FACILITY + PROJECT
EKER SÜT ÜR A.Ş.....	1000 KVA TRANSFORMER FACILITY + PROJECT
ERBAK ULUDAĞ MEFRUŞAT SAN.A.Ş.....	2x1000 KVA TRANSFORMER FACILITY + PROJECT
ERMETAL A.Ş.....	1600 KVA TRANSFORMER FACILITY + PROJECT
FRİGO-PAK GIDA MADDELERİ A.Ş.....	2x1000 KVA TRANSFORMER FACILITY + PROJECT
GÖÇAY İNŞAAT A.Ş.....	2x1000 KVA TRANSFORMER FACILITY + PROJECT
GÜZELDAĞ TEKSTİL.....	2000 KVA TRANSFORMER FACILITY
GEMLİK GÜBRE.....	P.T.L. / 3*300/25 XLPE
GEMPORT.....	MV POWER INCREASE
İSİŞAH A.Ş.....	2x1000 KVA TRANSFORMER FACILITY + PROJECT
İDAŞ A.Ş.....	630 KVA TRANSFORMER FACILITY + PROJECT
İPEKİŞ MENSUCAT A.Ş. ....	2000 KVA+2000 KVA+1600 KVA . TRANSFORMER FACILITY+ PROJECT
İSTANBUL İKİTELLİ MUTFAKÇILAR KOOP.....	11x1600 KVA TRANSFORMER FACILITY
İPEK İŞ MENSUCAT.....	2x1600 +1000 KVA TRANSFORMER FACILITY
KAFKAS PASTA ŞEKERLEME A.Ş.....	1000 KVA +250 KVA +100 KVA TRANSFORMER FACILITY+ PROJECT
KEREVİTAŞ A.Ş.....	1600 KVA TRANSFORMER FACILITY + PROJECT
KORUSU MEMBA SULARI A.Ş.....	1000 KVA TRANSFORMER FACILITY + PROJECT
KORAT MADEN.....	2000 KVA TRANSFORMER FACILITY
MARMARA ENTEGRE KİMYA SANAYİ A.Ş.....	2500 KVA TRANSFORMER FACILITY+ PROJECT
MARTUR OTOMOTİV YAN SANAYİ A.Ş.....	1000 KVA +1600 kVA TRANSFORMER FACILITY+ PROJECT
MALÇILAR TEKSTİL SAN.TİC.A.Ş.....	2500 KVA TRANSFORMER FACILITY + PROJECT
MARMARA ENTEGRE KİMYA SANAYİ A.Ş.....	4000 KVA TRANSFORMER FACILITY and HIGH VOLTAGE CELLS MOUNTIN
MARMARA ENTEGRE KİMYA SANAYİ A.Ş.....	2000 kVA TRANSFORMER FACILITY
MUTSAN.....	11x1600 KVA TRANSFORMER FACILITY
MEKLAS.....	1000 KVA TRANSFORMER FACILITY
MAHMUT DAĞLAR.....	1600 KVA TRANSFORMER FACILITY
OYAK RENAULT OTOMOBİL A.Ş.....	900 KVA TRANSFORMER FACILITY + PROJECT
OMYA MADENCİLİK.....	630 KVA TRANSFORMER FACILITY+ PROJECT

## Some of our references

### SOME OF OUR REFERENCES FOR THE FACILITIES WITH 630 kVA and HIGHER POWER TRANSFORMERS

ORHAN HOLDİNG – MATAY.....	1600 KVA TRANSFORMER FACILITY + PROJECT
ORHAN HOLDİNG – OR METAL.....	2000 KVA TRANSFORMER FACILITY+ PROJECT
ORHAN HOLDİNG – ORDA.....	2500 KVA TRANSFORMER FACILITY+ PROJECT
ORHAN HOLDİNG.....	2x477 MCM INSTALLATION OF POWER TRANSMISSION LINE
ORHAN HOLDİNG.....	TEİAŞ EQUIPPING THE STEP-DOWN TRANSFORMER STATION
ORHAN HOLDİNG.....	TEDAŞ EQUIPPING THE DISTRIBUTION CENTER
ORCIA OTOMOTİV A.Ş.....	630 KVA TRANSFORMER FACILITY
ÖZDİLEK TESTİL A.Ş.....	1000 KVA + 160 KVA TRANSFORMER FACILITY + PROJECT
ÖZTÜRE ÇELİK A.Ş.....	1000 KVA TRANSFORMER FACILITY + PROJECT
ÖZKOTEKS LTD.ŞTİ.....	2000 KVA TRANSFORMER FACILITY + PROJECT
ÖZEL MEDİKABİL HOSPİTAL.....	1.250 KVA TRANSFORMER FACILITY + PROJECT
Özel Yıldırım Marmara HOSPİTAL.....	1250 KVA TRANSFORMER FACILITY + PROJECT
PANOTEKS.....	1000 KVA TRANSFORMER FACILITY + PROJECT
PENGUEN GIDA SAN.TİC.A.Ş. ....	1600 KVA TRANSFORMER + PROJECT
PROFİL SANAYİ TİC.A.Ş.....	1250 kVA TRANSFORMER FACILITY + PROJECT + COMPLETE PLANT
RENAULT OTOMOBİL FAB A.Ş.....	900 KVA TRANSFORMER FACILITY + PROJECT
SB MADENCİLİK .....	1250 KVA TRANSFORMER FACILITY + PROJECT
SAVCAN TEKSTİL A.Ş.....	2X1000 kVA P.T.L. + TRANSFORMER FACILITY + PROJECT
SAYDAM TEKSTİL SANAYİ TİC A.Ş.....	2000 KVA+1200Kva+P.T.L. TRANSFORMER FACILITY+ PROJECT
SİSTEMİ COMANDİ LTD ŞTİ.....	1000 KVA TRANSFORMER FACILITY + PROJECT
SÖNMEZ PAMUKLU SAN.A.Ş.....	3x1600 KVA TRANSFORMER FACILITY + PROJECT
SÖNMEZ AMBALAJ SAN.A.Ş.....	1000 KVA TRANSFORMER FACILITY + PROJECT
SANÇİM BİLECİK ÇİMENTO BETON SAN.TİC.A.Ş.....	INSTALLATION OF 3 TEİAŞ DISTRIBUTION CENTERS
SANÇİM BİLECİK ÇİMENTO BETON SAN.TİC.A.Ş.....	10 Km INSTALLATION OF DOUBLE-CIRCUIT 477 MCM GALVANIZED BOLTED IRON POLE MV POWER TRANSMISSION LINE
ŞAHTERM (HOSAB).....	1600 Kva TRANSFORMER FACILITY + PROJECT +P.T.L.
ŞEM LASTİK SAN.TİC.A.Ş.....	1000 KVA TRANSFORMER FACILITY + PROJECT
TAT KONSERVE SAN. TİC.A.Ş.....	1000 KVA P.T.L.REGEL TRANSFORMER FACILITY + PROJECT
TOFAŞ TÜRK OTOMOBİL A.Ş.....	IN-PLANT INSTALLATIONS
TEKNİK 20 SAN.TİC.LTD.ŞTİ.....	1000 KVA TRANSFORMER FACILITY + PROJECT
TÜZE KULE.....	1250 KVA TRANSFORMER FACILITY
TÜZE KULE.....	Disassembly – Assembly and Modification Works of the High Voltage Cells
TEKNİK 20 LTD ŞTİ.....	2500 KVA TRANSFORMER FACILITY
TEKGAZ.....	UŞAK SERAMİK COGENERATION
ÜLKER GOLF NATURA GIDA KAHRAMANMARAŞ.....	2x1600 KVA TRANSFORMER FACILITY+PROJECT
ÜSTÜNBERK HOLDİNG MARTUR GEÇİT.....	PTL MODIFICATION
ÜSTÜNBERK HOLDİNG FOMPAK NOSAB.....	1000 KVA TRANSFORMER FACILITY
ÜSTÜNBERK HOLDİNG FOMPAK NOSAB.....	2X1250 KVA TRANSFORMER FACILITY DISASSEMBLY- ASSEMBLY
ÜSTÜNBERK HOLDİNG MARTUR GEÇİT.....	1600 KVA TRANSFORMER FACILITY + P.T.L.
ÜSTÜNBERK HOLDİNG MARTUR BTS.....	100 KVA TRANSFORMER FACILITY
ÜLKER GOLF DONDURMA FABRİKASI.....	1000 KVA + 1000 KVA TRANSFORMER FACILITY
ÜÇBİLGİNLER TEKSTİL LTD.ŞTİ. ....	1600 KVA TRANSFORMER FACILITY + PROJECT
YİMPAŞ A.Ş. ....	1000 KVA TRANSFORMER FACILITY + PROJECT
YEPSAN.....	1250 KVA TRANSFORMER FACILITY + PROJECT
YILDIZLAR HOLDİNG A.Ş. OEDAŞ.....	PTL OF TUNÇBİLEK, DOMANIÇ CITY AND VILLAGE NETWORKS
YILDIZLAR HOLDİNG A.Ş. OEDAŞ.....	ERECTION OF 25 POLE-TYPE TRANSFORMERS
YILDIZLAR HOLDİNG A.Ş. OEDAŞ.....	PTL OF TUNÇBİLEK, DOMANIÇ CITY AND VILLAGE
YILDIZLAR HOLDİNG A.Ş. OEDAŞ.....	INSTALLATION OF 30 KM OF GALVANIZED BOLTED IRON POLE PTL
YILDIZLAR HOLDİNG A.Ş.....	1600 KVA TRANSFORMER FACILITY OF AKDAĞ MINE
YILDIZLAR HOLDİNG A.Ş.....	PTL OF AMASYA SULUOVA
YILDIZLAR HOLDİNG A.Ş.....	KURŞUNLU FACILITY OF ÇANKIRI CERAMIC FACTORY



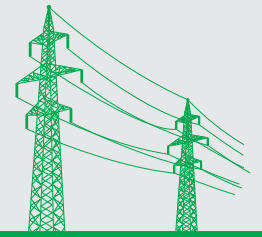
## SOME OF OUR OTHER INDUSTRIAL FACILITY REFERENCES

ALARA TARIM AŞ.....	POWER CONTROL INSTALLATIONS OF THE FACTORY
ALARA TARIM AŞ.....	FIRE DETECTION INSTALLATION+CHANNEL+FIXTURE ASSEMBLY
ALARA TARIM AŞ.....	WIRING OF THE NEW PRODUCTION LINE
ACT BUSEB .....	FACTORY INSTALLATIONS
ALAKART.....	FACTORY DISMANTLING-MANTLING
ASİL ÇELİK A.Ş.....	POWER CONTROL PANELS OF THE DUST COLLECTION SYSTEM
ASİL ÇELİK A.Ş.....	POWER CONTROL PANELS OF THE SCRAP CRANE ELECTRICAL SYSTEM
AKA OTOMOTİV LTD. ŞTİ.....	POWER CONTROL PANELS OF THE INERT-GAS WELDING ROBOTS
AKPRES LTD. ŞTİ.....	POWER CONTROL PANELS OF THE INERT-GAS WELDING ROBOTS
AKTECH (AKTAŞ KÖRÜK) A.Ş.....	WIRING OF THE ADMINISTRATIVE BUILDING (BUSEB)
APMAR TEKSTİL A.Ş.....	WIRING OF THE ENTIRE ADMINISTRATIVE BUILDING AND FACTORY
AYPLASTİK LTD. ŞTİ.....	WIRING OF THE ADMINISTRATIVE BUILDING
AYPARS MAKİNA LTD. ŞTİ.....	POWER CONTROL PANELS OF THE CENTER ROBOTS
BM MAKİNA.....	3rd PHASE: BORUSAN LOJİSTİK E RTG PROJECT
BM MAKİNA.....	2nd PHASE: BORUSAN LOJİSTİK E RTG PROJECT
BOTAŞ A.Ş.....	CATHODIC PROTECTION AND GROUNDING INSTALLATIONS
BPO PLASTİK A.Ş.....	POWER CONTROL PANELS OF THE FLAMING ROBOTS
BOSEN ENERJİ A.Ş.....	5000 A LV DISTRIBUTION PANEL
BOSEN ENERJİ A.Ş.....	MV Facility of the 4th Steam Turbine of Natural Gas Cycle Plant
BORUSAN.....	MHC 6.3 kV MOBILE MV SOCKET PANEL
BORUSAN LOJİSTİK.....	ERECTION OF PORT LIGHTING POLE
BORUSAN LOJİSTİK.....	ANALYZER MOUNTING – ELECTRICAL INSTALLATION OF REFEER PANEL
BORUSAN LOJİSTİK.....	RTG CABLING – OUTDOOR LIGHTING
BIEN SERAMİK.....	BUSBAR SYSTEM OF THE ENTERPRISE
BIEN SERAMİK.....	MACHINE FEEDERS
BIEN SERAMİK.....	IN-PLANT LIGHTING
BUSEB İNTİRİM.....	INTERNAL LIGHTING AND BUSBAR INSTALLATIONS
BUSEB İNTİRİM.....	STRONG AND WEAK CURRENTS OF THE ADMINISTRATIVE BUILDING AND OPERATION OFFICES
CEVA LOJİSTİK.....	REVISION OF THE INSTALLATIONS
ÇEKİRGE STATE HOSPITAL.....	PANEL DISASSEMBLY, ASSEMBLY
ÇİMTAŞ.....	İZMİR ALİAĞA PETKİM FACILITY
D.A.D. TURİZM (AQUAPARK).....	FEEDING LINE
Doruk Tıp Private Yıldırım Hospital.....	ELECTRICAL, LIGHTING AND POWER INSTALLATIONS+BUILDING AUTOMATION
Doruk Tıp Private Yıldırım Hospital.....	FIRE - BURGLAR ALARMS, CAMERA, CCTV, ACCESS CONTROL SYS.
DEMİRER KABLO.....	COGENERATION + PROJECT
ECS ELEKTRİK KABLO SİSTEMLERİ AŞ.....	POWER CONTROL INSTALLATIONS OF THE FACTORY
ECS ELEKTRİK KABLO SİSTEMLERİ AŞ.....	FACTORY LIGHTING + MACHINE FEEDERS
EKER SÜT.....	MV CELL REVISION
ESF.....	BUSBAR + CHANNEL + MACHINE FEEDERS
ESF.....	WIRING OF THE ADMINISTRATIVE BUILDING
ERMETAL A.Ş.....	800 A BUSBAR INSTALLATION OF THE MANUFACTURING FACILITIES
ERMETAL A.Ş.....	POWER AND CONTROL PANELS OF THE 8-ROBOT PRESSING LINE
ERLING KLINGER.....	MACHINE FEEDERS
ERLING KLINGER.....	LIGHTING INSTALLATIONS AND MOUNTING
ELMAS KULE.....	INTERNAL ELECTRICAL INSTALLATION WORKS
FARBA OTOMOTİV A.Ş.....	WIRING OF THE ADMINISTRATIVE BUILDING AND FACTORY
FARBA OTOMOTİV A.Ş.....	BUSBAR WIRING
FARLAS A.Ş.....	WIRING OF THE ADMINISTRATIVE BUILDING AND FACTORY
FARBA.....	1000 A BUSBAR – UPS SYSTEM

# Our operating responsibilities

## SOME OF OUR OTHER INDUSTRIAL FACILITY REFERENCES

GEMPORT GEMİ LİMAN DEPOLAMA A.Ş.	.....EXTERIOR FIELD LIGHTING OF THE GROUND PLATFORM
GEMPORT GEMİ LİMAN DEPOLAMA A.Ş.	.....WIRING OF THE ADMINISTRATIVE BUILDING
GEMPORT.....	ELECTRICAL INSTALLATION WORKS OF THE AGENCIES + LIGHTING
GEMPORT.....	E-RTG ENERGY MONITORING SYSTEM
GÜZELDAĞ TEKSTİL.....	INTERNAL INSTALLATION ELECTRICAL WORKS
HAS ASANSÖR.....	POWER CONTROL PANELS OF THE INERT-GAS WELDING ROBOTS
HAS TAVUK A.Ş.....	ELECTRICAL INSTALLATIONS OF THE MANUFACTURING FACILITIES
HAYRİ ÖGELMAN.....	ELECTRICAL WORKS OF THE CONCENTRATE PLANT
İSTANBUL ATATÜRK AIRPORT.....	ELECTRICAL INSTALLATIONS OF THE RADAR TOWER
İPEK İŞ MENSUCAT.....	IN-PLANT ELECTRICAL, LIGHTING AND POWER INSTALLATIONS
İPEK İŞ MENSUCAT.....	INTERCOM, FIRE - BURGLAR ALARM, CAMERA, CCTV AND ACCESS CONTROL SYSTEMS AND BUILDINGAUTOMATION
İPEK İŞ MENSUCAT.....	GENERATOR INSTALLATION
KAPIMSAN OTOMOTİV LTD. ŞTİ.....	POWER CONTROL PANELS OF THE INERT-GAS WELDING ROBOTS
KAPIMSAN OTOMOTİV LTD. ŞTİ.....	THYRISTOR COMPENSATION SYSTEM
KEREVİTAŞ.....	ELECTRICAL INSTALLATION OF THE LIGHTING
KESKİNOĞLU.....	ELECTRICAL INSTALLATION OF THE COLD STORAGE ROOM
MATAY A.Ş.....	TRANSFORMER FACILITY AND POWER CONTROL INSTALLATION OF THE ENTIRE FACTORY
MATAY A.Ş.....	ELECTRICAL INSTALLATIONS OF THE ENTIRE ADMINISTRATIVE BUILDING
MAJOR SKT A.Ş.....	POWER CONTROL PANELS OF THE WATER JET ROBOTS
MARMARA ENTEGRE KİMYA SAN A.Ş.....	Formaldehyde 5 FACILITY PROJECT AND MOUNTING
MARTUR OTOMOTİV YAN SANAYİ A.Ş.....	COMPLETE ADMINISTRATIVE BUILDING AND IN-HOUSE OFFICES
METKON.....	ELECTRICAL INSTALLATIONS OF THE DYE HOUSE
MARMARA ENTEGRE KİMYA SANAYİ A.Ş.....	Formaldehyde 5 UNIT COMPLETE ELEC. – INSTRUMENT AUTOMATION ASSEMBLY AND COMMISSIONING
MARTUR A.Ş.....	MOUNTING THE PANELS AND INSTALLING ON-SITE
MARTUR A.Ş.....	ASSEMBLY OF THE BUSBAR POWER INS.
MARTUR A.Ş.....	ELECTRICAL INSTALLATIONS OF THE FACTORY AND ADMINISTRATIVE BUILDING
MAYA İNŞAAT A.Ş.....	COMPLETE ELECTRICAL INSTALLATIONS OF LEROY MERLIN
MAPAR.....	FIRE DETECTION + LIGHTENING ROD + GENERATOR
MAHMUT DAĞLAR.....	ELECTRICAL INSTALLATIONS OF THE ADMINISTRATIVE BUILDING
MEKLAS.....	ELECTRICAL INSTALLATIONS IN THE FACTORY
MEKLAS.....	ELECTRICAL INSTALLATIONS OF THE ADMINISTRATIVE BUILDING
METKON.....	ELECTRICAL INSTALLATION REVISIONS IN THE FACTORY
NGA MİMARLIK.....	ELECTRICAL INSTALLATIONS OF THE ADMINISTRATIVE BUILDING
NESTLE GIDA A.Ş.....	CPT FACTORY ROLL 6 MCC AND FIELD INSTALLATIONS
NATURA GIDA A.Ş.....	Power and Lighting Installation of Ülker Golf Ice-cream Factory
NESTLE GIDA A.Ş.....	ELEC., LIGHTING AND WEAK CURRENT INSTALLATIONS OF THE NEW WAREHOUSE
OMYA MADENCİLİK A.Ş.....	MANYAS STONE CRUSHING, WASHING AND SEPARATION FACILITY
OMYA MADENCİLİK A.Ş.....	COMPENSATION SYSTEM WITH HARMONIC FILTER THYRISTOR
OMYA MADENCİLİK A.Ş.....	CRUSHING SCREENING FACILITY
ORMETAL LTD. ŞTİ.....	TRANSFORMER FACILITY AND POWER CONTROL INSTALLATIONS OF THE ENTIRE FACTORY
ORDA A.Ş.....	TRANSFORMER FACILITY AND POWER CONTROL INSTALLATIONS OF THE ENTIRE FACTORY
ORDA A.Ş.....	COMPLETE ELECTRICAL INSTALLATIONS OF THE ADMINISTRATIVE BUILDING
ORHAN HOLDİNG.....	ORDA COGENERATION SYSTEM
ORHAN HOLDİNG.....	Elec. Inst. of the ORDA (Absorption Chiller) Cooling Unit
ORHAN HOLDİNG.....	OR METAL FIRE DETECTION SYSTEM
ORHAN HOLDİNG.....	ELECTRICAL INSTALLATIONS OF TEKNİK OTO SHOWROOM
ORHAN HOLDİNG.....	ELECTRICAL INSTALLATIONS OF ADDITIONAL BUILDING OF MATAY
ORHAN HOLDİNG.....	BFTC MACHINE FEEDERS + FIRE DETECTION
ORHAN HOLDİNG.....	DISMANTLING OF TEKNİK MALZEME FACTORY
ORHAN HOLDİNG.....	BUSBAR INSTALLATION OF TEKNİK MALZEME DOSAB
ORHAN HOLDİNG.....	ELECTRICAL INSTALLATIONS OF THE NEW MATAY PRODUCTION LINE
ORHAN HOLDİNG.....	REVISION OF MATAY LIGHTING



## OUR OTHER INDUSTRIAL FACILITY REFERENCES

Private Yıldırım Marmara Hospital.....	HEAVY CURRENT INSTALLATIONS
Private Yıldırım Marmara Hospital.....	FIRE DETECTION and ALARM SYSTEM
Private Yıldırım Marmara Hospital.....	NETWORK and PHONE INSTALLATIONS
PRIVATE MEDICABIL HOSPITAL.....	ELECTRICAL, LIGHTING and POWER INSTALLATIONS
PRIVATE MEDICABIL HOSPITAL.....	INTERCOM, FIRE-BURGLAR ALARM, CAMERA, CCTV, ACCESS CONTROL SYSTEMS and BUILDING AUTOMATION
PIMS A.Ş.....	POWER CONTROL PANELS OF THE WATER JET ROBOTS
PMS ALÜMİNYUM.....	2500 KVA HARMONIC FILTER COMPENSATION PANEL
PMS ALÜMİNYUM.....	1000 A BUSBAR INSTALLATION
PMS ALÜMİNYUM.....	HARMONIC FILTER PANEL
REKOR DOKUMA.....	PANEL MOUNTING
SKT.....	BUSBAR INSTALLATION
SYK.....	IN-PLANT AND LIGHTING INSTALLATIONS
SELİMOĞLU.....	ELECTRICAL INSTALLATION OF THE STORE
SONOCO AMBALAJ A.Ş.....	COMPENSATION SYSTEM WITH HARMONIC FILTER THYRISTOR
SUNTEKS TEKSTİL A.Ş.....	POWER AND LIGHTING INSTALLATIONS OF THE FACTORY
ŞAHİNKUL A.Ş.....	POWER CONTROL PANELS OF THE CENTER ROBOTS
ŞAHTERM HOSAB.....	IN-HOUSE LIGHTING AND BUSBAR INSTALLATIONS
ŞAHTERM HOSAB.....	FIRE AND ALARM SYSTEM – FIBER OPTIC COMMUNICATIONS
ŞAHTERM HOSAB.....	ADMINISTRATIVE BUILDING and OPERATION OFFICES (heavy and weak current ins.)
ŞAHTERM HOSAB.....	NETWORK AND PHONE INSTALLATIONS
TEDAŞ.....	BUSEB KOCA ÇUKUR LOCALITY (TAKING GEMLİK – MUDANYA – NARLI KURŞUNLU MV LINES UNDER THE GROUND)
TOFAŞ TÜRK OTOMOBİL A.Ş.....	POWER CONTROL PANELS OF THE 8-ROBOT CENTER LINE
TOFAŞ TÜRK OTOMOBİL A.Ş.....	TRANSFERRING THE ELECTRICAL LOADS OF TR4 TRANSFORMER CENTER
TOFAŞ TÜRK OTOMOBİL A.Ş.....	LIGHTING SYSTEM OF THE PAINT PRODUCTION
TOFAŞ TÜRK OTOMOBİL A.Ş.....	GREY POOL FEEDING INSTALLATIONS OF THE BUILDING NUMBER 15
TOFAŞ TÜRK OTOMOBİL A.Ş.....	ELECTRICAL INSTALLATIONS OF THE AUXILIARY MATERIAL WAREHOUSES
TEKGAZ.....	UŞAK CERAMIC COGENERATION
TOPKAPI ENERJİ.....	SÜTAŞ KARACABEY COGENERATION
TOPKAPI ENERJİ.....	DIYARBAKIR BIOGAS
TOPKAPI ENERJİ.....	RADISSON BLUE ŞİŞLİ
TOPKAPI ENERJİ.....	RADISSON BLUE PERA
TEKNİK 20.....	POWER AND LIGHTING INSTALLATIONS OF THE FACTORY
TÜZE KULE.....	BUILDING LIGHTING, ELECTRICAL AND GENERATOR INSTALLATIONS
TÜZE KULE.....	INTERCOM, FIRE-BURGLAR ALARM, CAMERA, CCTV,
TÜZE KULE.....	LIGHTENING ROD, AIRCRAFT WARNING AND OUTDOOR LIGHTING INSTALLATIONS
UNİMAK.....	PANEL AND MOUNTING
ÜLKER NATURA GIDA.....	ELECTRICAL INSTALLATION OF THE COLD STORAGE ROOM
ÜLKER NATURA GIDA.....	CHANNEL INSTALLATION
ÜLKER GOLF KAHRAMANMARAŞ FAC.....	IN-HOUSE LIGHTING AND BUSBAR INSTALLATIONS
ÜLKER GOLF KAHRAMANMARAŞ FAC.....	FIRE DETECTION AND ALARM SYSTEM
ÜLKER GOLF KAHRAMANMARAŞ FAC.....	HEAVY AND WEAK CURRENT INS. OF THE ADMINISTRATIVE BUILDING AND OFFICES
ÜLKER GOLF KAHRAMANMARAŞ FAC.....	NETWORK AND PHONE INSTALLATIONS
VATAN PRES (PRESTEK KALIP).....	160 A BUSBAR INSTALLATION OF THE FACTORY
YEPSAN.....	BUSBAR INSTALLATION
YILDIZLAR HOLDING A.Ş. (ETİ GÜMÜŞ).....	COMPLETE ELECTRICAL INSTALLATIONS OF THE FACTORY
YILDIZLAR HOLDING A.Ş. (ETİ GÜMÜŞ).....	ELEC. and AUTOMATION SYS. of the NEW CRANE UNIT
YILDIZLAR HOLDING A.Ş. (ETİ GÜMÜŞ).....	ELEC. and AUTOMATION SYS. of the BALL MILL UNIT
YILDIZLAR HOLDING A.Ş. (ETİ GÜMÜŞ).....	LIGHTING AND CONVEYOR INSTALLATIONS
YILDIZLAR HOLDING A.Ş. (ETİ GÜMÜŞ).....	30 SMD MILL FACILITY PROJECT and AUTOMATION
YILDIZLAR HOLDING A.Ş. (ETİ GÜMÜŞ).....	5-TANK SYSTEM and 1ST PADDOCK STATION FAC. PROJECT
YILDIZLAR HOLDING A.Ş. (ETİ GÜMÜŞ).....	KGT PILOT FACILITY
YILDIZLAR HOLDING A.Ş. (ETİ GÜMÜŞ).....	PADDOCK + PTL

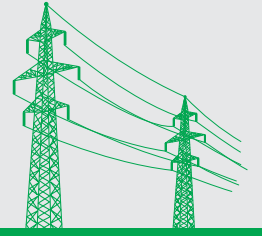
## Some of our references

### SOME OF THE COMPANIES THAT WE SUPPLY ELECTRICAL MATERIALS

AGROMAR MARMARA TARIM ÜRÜNLERİ A.Ş.  
ASİLÇELİK A.Ş.  
AYTEK ALMANYAY SAN.TİC.LTD.ŞTİ.  
ALARA TARIM ÜR A.Ş.  
ALPİN KİMYA A.Ş.  
ARPRES DÖKÜM LTD.ŞTİ.  
ANADOLU HASTANESİ  
APEKS MÜHENDİSLİK ASANSÖR  
ASTOSAN SÜT VE GIDA A.Ş.  
BALLI MEATAL  
BAYRAK PLASTİK LTD.ŞTİ.  
BARUTÇUOĞLU MAKİNA A.Ş.  
BURSA ÇİMENTO A.Ş.  
BURSA BETON A.Ş.  
BOTAŞ DOĞALGAZ İŞLT.MÜD.  
BEYÇELİK A.Ş.  
BORUSAN LOJİSTİK A.Ş.  
BURSA ÇEKİRGE DEVLET HASTANESİ  
BURSA ADLİYESİ  
BURSA DORUK HASTANESİ  
BURSA ŞEVKET YILMAZ HASTANESİ  
ÇAKIRCALI MÜHENDİSLİK ISI SİST.İNŞ.SAN.-  
TİC.LTD.ŞTİ  
COŞKUNÖZ MAKİNA SAN.A.Ş.  
ÇEMTAŞ A.Ş.  
ÇİMTAŞ A.Ş.  
DELPHI OTOMOTİV SİST.A.Ş.  
DURMAZLAR MAKİNA A.Ş.  
DASEL OTOMOTİV A.Ş.  
ECS ELEKTRİK KABLO SİST.A.Ş.  
ERBAK ULUDAĞ A.Ş.  
ENVİCO  
EKER SÜT ÜRÜNLERİ A.Ş.  
EMARC OTOMOTİV LTD.ŞTİ.  
ESF TEKSTİL A.Ş.  
ETİ GÜMÜŞ A.Ş.  
ELİT PREFABRİKE BETON İNŞ.SAN.TİC.LTD.Ş-  
Tİ.  
ELRİNGLINKER  
FAH METAL DÖKÜM SAN.TİC.LTD.ŞTİ.  
FRİGOPAK A.Ş.  
FOMPAK AMBALAJ VE POLİ ÜREten SAN.VE TİC.AŞ.  
GEMPORT GEMLİK LİMAN DEPOLAMA A.Ş.  
GEMLİK GÜBRE SAN. A.Ş.  
GÖNEN YENİLENEBİLİR ENERJİ ÜRETİM A.Ş.  
HAYRİ ÖGELMAN MAD. A.Ş.  
IŞİSAH ELEKTRİK REZİST.SAN.TİC.A.Ş.  
İPEK İŞ MENSUCAT A.Ş.  
INTRIM OTO. VE YALITIM MALZ. SAN. TİC. A.Ş.  
İLKA ŞEKERLEME MAMULLERİ GIDA  
SAN.LTD.ŞTİ.  
KORTEKS MENSUCAT A.Ş.  
KIRCILAR TURİZM LTD.ŞTİ.

KAFKAS PASTA ŞEKERLEME A.Ş.  
KAPİMSAN OTOMOTİV LTD.ŞTİ.  
KORAT MADENCİLİK A.Ş.  
KORUSU MEMBA SULARI SAN.VE TİC.A.Ş.  
MARMARA ENTEGRE KİMYA SAN.A.Ş.  
MEPAR NAKLİYAT A.Ş.  
NESKO MADENCİLİK  
METKON ENDÜSTRİ CİHAZLARI A.Ş.  
MARTUR SÜNGER VE KOLTUK TESİSLERİ TİC.VE SAN.A.Ş.  
MATAY OTOMOTİV YAN. SAN. TİC A.Ş.  
M.L.C.TEKSTİL A.Ş.  
NATURA GIDA A.Ş.  
NERGİS TEKSTİL A.Ş.  
NESTLE TÜRKİYE GIDA SANAYİİ A.Ş.  
OMYA MADENCİLİK A.Ş.  
OR-METAL LTD.ŞTİ  
OSMANGAZI ELEKTRİK DAĞITIM A.Ş.  
ORDA OTOMATİV YAN SAN.TİC.A.Ş.  
ORMETAL YEDEK PARÇA SAN. TİC.A.Ş.  
ÖZDİLEK HAVLU SAN TİC A.Ş.  
PROFİL SANAYİ A.Ş.  
PAK PLASTİK  
PODİM POLİSAJ ZIMPARA DİSK.SAN.TİC.LTD.ŞTİ  
PAYE MAKİNA LTD.ŞTİ.  
PMS ALİMİNYUM A.Ş.  
PANOTEKS TEKSTİL SAN.TİC.A.Ş.  
REKOR DOKUMA A.Ş.  
SONOCO AMBALAJ A.Ş.  
SUNTEKS A.Ş.  
SYK TEKSTİL A.Ş.  
SSS. YILDIZLAR HOLDİNG A.Ş.  
SÖĞÜTSEN SERAMİK A.Ş.  
SB ENDÜSTRİYEL MİNERALLER A.Ş.  
SS MOBİLYA KENT İNEGÖL TOPLU İŞYERİ YAPI KOOPERATİFİ  
ŞAHTERM ELEKTRİKLİ ISITICILAR SAN.VE TİC.LTD.ŞTİ.  
TEKNİK 20 LTD.ŞTİ.  
T.J.K. KARACABEY HARA İŞLETMESİ  
TEKNİK MALZEME SAN.VE TİC.A.Ş.  
TREND TEKSTİL SAN. TİC. A.Ş.  
TSE BURSA BÖLGE MÜDÜRLÜĞÜ  
ULUDAĞ ÜNİVERSİTESİ  
ULUDAĞ MADEN SULARI A.Ş.  
ULUDAĞ İHRACATÇILAR BİRLİĞİ GENEL SEKRETERLİĞİ  
UNİMAK MAK.SAN.TİC.LTD.ŞTİ.  
VATAN PRES OTOMOTİV VE METAL EŞYA SAN.TİC.LTD.ŞTİ.  
YAYSAN TEKNİK YAY SAN TİC. A.Ş.  
YEPSAN SAVUNMA VE HAVACILIK SAN.TİC.LTD.ŞTİ.  
YILDIRIM SOĞUTMA HAVA KOMP.İNŞ.GIDA SAN.TİC.LTD.ŞTİ.  
YPS OTOMOTİV SAN. Ve TİC. A.Ş.  
YILPORT

# Our Mission & Vision



## **Our Mission**

Providing Contracting – Project – Material Sales – Manufacturing – 24-hour Failure and Consultancy services in line with the expectations of our customers in the evolving technology and world standards with a professional staff renewing itself constantly

## **Our Vision**

First Regionally and Nationally, then Internationally, becoming a company that creates and implements the most effective projects

## **Our Quality Understanding**

With our reliable, respectful, solution-producing approach, concluding the projects error-free and on time in accordance with the ISO 9001:2009 Quality Standards

## **Our Quality Policy**

As Emsan Mühendislik,

Producing and concluding impeccable projects within the framework of Emsan's ethical understanding and ISO 9001: 2009 standard,

Delivering our projects to our customers on time,

Providing the trainings to ensure competences of our employees and the necessary new recruitment,

Having our subcontractor and suppliers adopt our quality understanding,

Constantly improving our performance by completely fulfilling the requirements of our ISO 9001:2009 Quality Management System,

Providing the relevant sources on time and at a sufficient level in accordance with the constant improvement principle for taking necessary precautions and efficiency of the activities to reduce dangers and risks related to occupational safety and health of our employees during implementation of the projects.

***This is our basic policy and commitment.***

**Güray Bilir**

*Company Manager*





**emsan**  
MÜHENDİSLİK

ELEKTRİK - ELEKTRONİK VE MAKİNA  
SAN. TİC. LTD. ŞTİ.



**EMSAN A.Ş.**  
ELEKTRİK ve MAKİNA SAN. TİC. A.Ş.

