



erke electric

Energy is future, make it bright



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ERKE was established in Turkey as turnkey solution provider in the electrical contracting industry in February 1999. The operation expanded into the US market under the name of ERKE USA LLC in February 2002 with expertise in the field of 'Power Generation & Distribution' infrastructure construction.

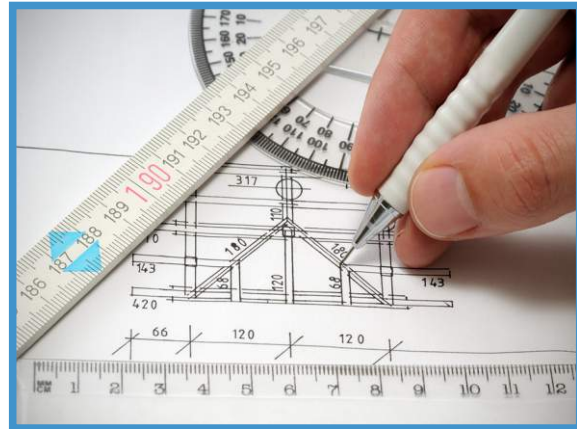
Our partnership with the World leader system component manufacturers lets us utilize your limited source of capital so to provide a customized financing solution for each project. As an Engineering, Procurement and Construction company, we have developed many projects from lighting to designing and installing entire multi megawatt power systems in USA and Turkey since 1999 and have satisfied our commercial, government and utility customers with our high caliber and detail-oriented services.



ERKE ELECTRIC is fully capable of performing finance, engineering, procurement, construction and maintenance services with a project. Full coverage of electricity services to turnkey project solutions can be summarized as follows:

FEASIBILITY ANALYSIS - PROJECT EVALUATION

Market research, conceptual design, network link analysis, equipment selection, CAPEX and OPEX analysis, price / tariff projections, technical and financial performance evaluation, sensitivity analysis, NPV and IRR analysis.



PROJECT DEVELOPMENT

Field development and evaluation for power plants, fuel supply and grid connection analysis, renewable resource assessment, project pre-assessment reports, preparation of reports required to support the license application and funding process.





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PROCUREMENT

Procurement process is one of the strategic processes that affect the profitability of the organization. Procurement process helps streamlines the process by providing lower material prices and the best sources of supply. ERKE provides a materials procurement program that optimizes price, delivery times, financing and quality which will ultimately exceed the standards of each investor. Qualified participants are EPCs and integrators requiring improved vendor terms on procurement of equipment for projects.

Construction

- Mechanical installation,
- Electrical installation,
- Project management,
- Monitoring system installation,



Project Planning

- Development of systems and auxiliary infrastructure technical engineering project, carried out worldwide by specialized engineers,
- Development of detailed construction plans, expected project studies and profitability studies,
- Plant construction Stage Planning,

Site Visit and Project Layout

- Preliminary technical layout, executed by specialized technicians,

Procurement Supervision

- Development of a Technical Report that defines the minimum quality specifications of materials and equipment used in the project,
- It includes a material and equipment checking and verifying at its reception in the building site,

Supervision of the Project

- Project management and supervision during the construction, carried out by technical team,
- Engineering manpower for implementation, operation and initial maintenance of the system,





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Testing & Commissioning

- Examination of the drawings and documents,
- Startup Checklist,

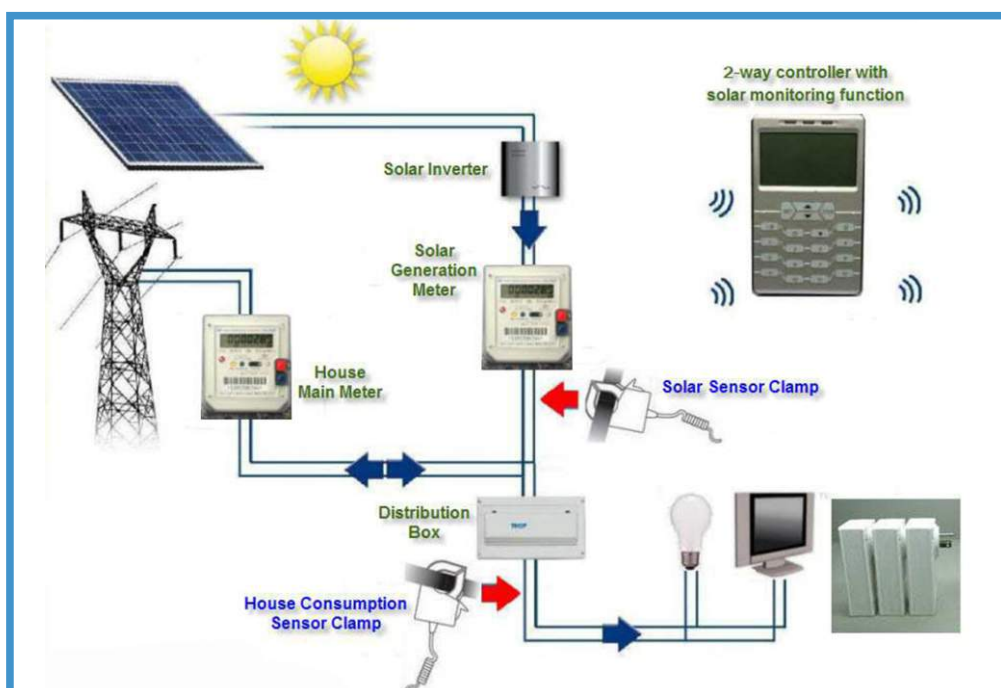
Comprehensive System Monitoring

- Monitoring system adjustments,
- Distribution and transmission conformance testing to connect to the network of local distribution companies,

MONITORING SYSTEM

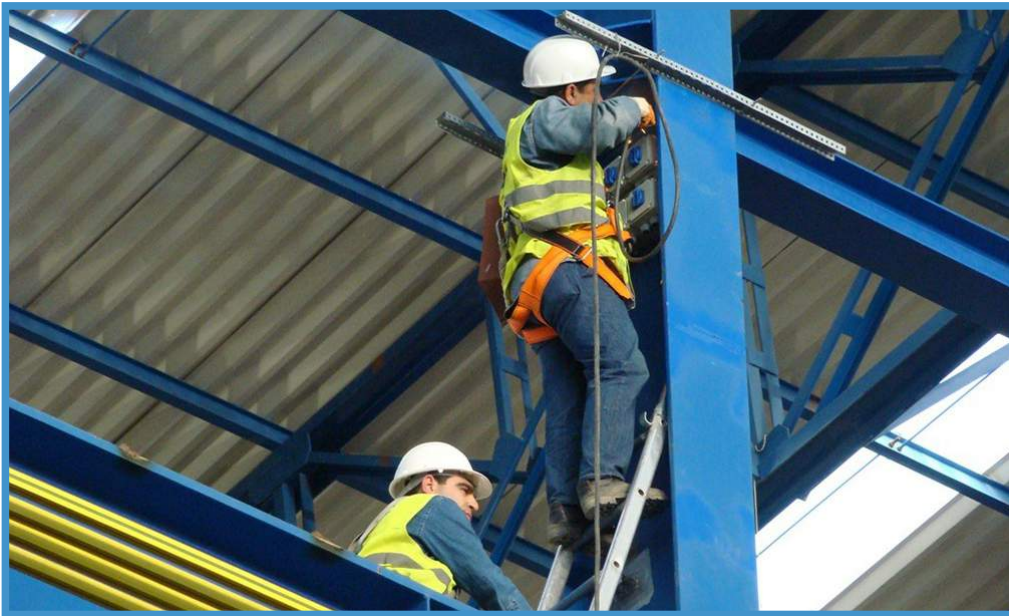
Energy monitoring system solutions can be integrated into solar power plant in the center of the energy systems of any size and allows accurate and safe administration.

- 24/7 continuous monitoring,
- Current output, CO2 reduction,
- Warnings of possible problems, wireless communication,
- Inverter operating status,



OPERATION AND MAINTENANCE (O&M)

Customers with full data to ensure that the operation of the investment, operation, maintenance and monitoring system via checks may be part of our operation and maintenance programs.



PROBLEM ANALYSIS

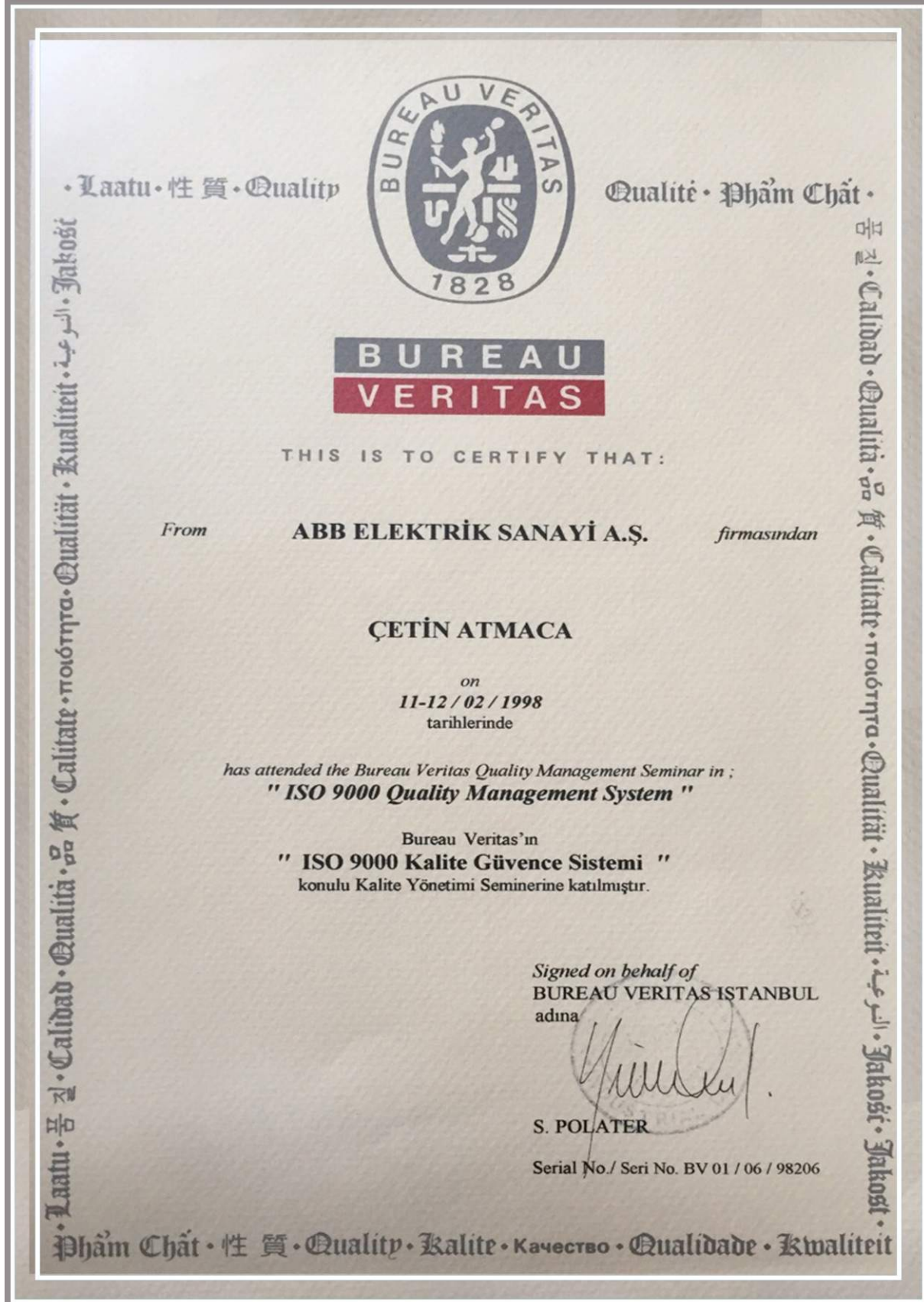
- Inverter temperature & business,
- Module hot spots,
- Connector wireless communication,
- Thermal analysis of the system status,





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Certifications



ERICSSON 

CERTIFICATE

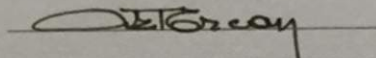
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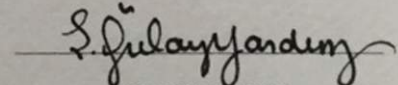
SUCCESSFULLY COMPLETED THE FOLLOWING COURSE:

**Mini Link E+C Com.& Field Service
LZU 113 70**

In Istanbul , Turkey
09-13 / 10 / 2000
ERICSSON TÜRKİYE
İSTANBUL


BUSINESS UNIT MANAGER, ENK/RS/C

Ali Ercan


COURSE LEADER

Gülay Yardım



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POWER GENERATION



ALSTOM ELEKTRİK

Consultancy and engineering works for MV Switchgear Systems.

- İdil - ŞIRNAK



ASTANA RAILWAY STATION

50% transparent facade
poly-crystal PV modules.
850 kW pdc system design
coordination.

- Astana/Kazakhstan

POWER GENERATION



ENERGY DISCOVERY CENTER

Roof type rail system PV modules, poly-crystal thin film, 751 kW pdc system design coordination.

-Astana/Kazakhstan



ASTANA EXPO 2017

Roof type, 50% transparent facade poly-crystal PV modules design coordination.

- Astana/Kazakhstan

POWER GENERATION



ENNOVIGA SOLAR

5 MWp preliminary technical feasibility study and economic model.

- Mahmutlar/Alanya



ENNOVIGA SOLAR

500 kWp preliminary technical feasibility study and economic model.

- Yerköy/Antalya

POWER GENERATION



ENNOVIGA SOLAR

5 MWp preliminary technical feasibility study and economic model.

Konaklı/Alanya



ECOLOG INTERNATIONAL GERMANY

147 Geothermal field analysis and power generation availabilities including preliminary technical feasibility study and economic model among selected 14 locations.

- Turkey Overall

PETROCHEMICAL



TUPRAŞ REFINARY

Electrostatic active protection and grounding system design and installation works.
Surge protection systems.

- Batman



ORGANIC CHEMISTRY

Factory building Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- İstanbul

PETROCHEMICAL



SHELL

Head quarter building
electrostatic active protection
and grounding system design
and installation works. Surge
protection systems.

- İstanbul



SHELL

Electrostatic active protection and
grounding system design and
installation works.

Surge protection systems.

- Bilkent Gas Station/Ankara
- İskitler Gas Station/Ankara
- Barajyolu Gas Station/Adana
- Karataş Gas Station/Adana
- İncirli Gas Station/İstanbul
- Göztepe Gas Station/İstanbul
- Selamiçeşme Gas Station/İstanbul
- Yıldıztepe Gas Station/İstanbul
- Bostancı Gas Station/İstanbul
- K.Bakkalköy Gas Station/İstanbul

PETROCHEMICAL



SHELL

Periodic service & maintenance for gas stations.

- Ankara,
- İstanbul,
- Mersin,
- Eskişehir,
- Adana



MOGAZ

LPG gas terminal tower type (30m) Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- Mersin

PETROCHEMICAL



IPRAGAZ

LPG gas storages and filling terminals tower type (30m)
Electrostatic active protection and grounding system design and installation works.
Surge protection systems.

- Yarımca



BP

Modernization and re-installation of electrical infrastructure on GAS Stations.

- Çengelköy
- Metris
- Şile
- Bolu
- Karabük
- Karaman

PETROCHEMICAL



BP GAS

LPG gas storages and filling terminals tower type (30m)
Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- Hatay



OPET

125.000m² Tank Farm LV/MV
electrical design work.

- Marmara Ereğlisi

PETROCHEMICAL



POAS

Oil additive injection system dismantling works.

- Antalya

POAS

Automation controlled oil additive injection system shop drawings, as-built project and installation works.

- Kırıkkale



POAS

Oil terminal additive injection system 'Heat Tracing' design and installation.

- Kırıkkale

PETROCHEMICAL



AYGAZ

LPG Gas terminal, 34.5kV MV switchgear installation works.

- Ambarlı - İstanbul



AYGAZ

Head quarter building grounding system.

- İstanbul

PETROCHEMICAL



AYGAZ

LPG gas storages and filling terminals tower type (30m)
Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- Samsun,
- Mersin,
- Antalya,
- Aliağa,
- Balıkesir,
- İzmit,
- Hatay,



TOTAL

LPG gas storages and filling terminals tower type (30m)
Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- Izmit



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PETROCHEMICAL



TURKPETROL

Gas station Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- Yarımca



TURKPETROL

LPG gas storages and filling terminals tower type (30m) Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- Aliğa

WATER TREATMENT



IZSU

Sewage and water treatment system pump monitoring and early fault detection. SCADA integration of early fault detection system.

-Izmir

FACTORIES



SIFAŞ SYNTHETIC THREAD FACTORY

Electrostatic active protection
and surge arrestor systems.
Design and installation works.

- Bursa



POLYLEN SYNTHETIC THREAD FACTORY

Electrostatic active protection
and surge arrestor systems.
Design and installation works.

- Bursa

FACTORIES



CENKABLO CABLE FACTORY

Electrostatic active protection and surge arrestor systems.
Design and installation works.

- Kocaeli



TEKNİK KAUÇUK RUBBER FACTORY

Electrostatic active protection and surge arrestor systems.
Design and installation works.

- Istanbul

FACTORIES



YAKASAN

Electrostatic active protection and surge arrestor systems.
Design and installation works.

- Istanbul



COATS THREAD FACTORY

Electrostatic active protection and surge arrestor systems.
Design and installation works.

- Bursa

FACTORIES



LEBIB YALKIN PRINTHOUSE

Electrostatic active protection and surge arrestor systems.
Design and installation works.

-Istanbul



EREGLI TEXTILE

Electrostatic active protection and surge arrestor systems.
Design and installation works.

- Konya

FACTORIES



AKAL TEXTILE

Electrostatic active protection and surge arrestor systems. Design and installation works.

- Zonguldak



STFA CONSTRUCTION

Electrostatic active protection and surge arrestor systems. Design and installation works.

- Istanbul

FACTORIES



SABAH NEWSPAPER

Samandra print house
(380kV overheadline effect)
electromagnetic field screening
and Faraday cage. Earthing
systems. Design and installation
works.

- İstanbul



TOPRAK PAPER FACTORY

20MVA energy automation,
energy and load monitoring
system. Measurement and control.
Design and installation works.

- Eskisehir

FACTORIES



DIMAS CONSTRUCTION

3200kVA, 5 floors factory building, LV/MV electrical projects. Design and installation works.

- Istanbul



MMK-ATAKAS

120.000 m2 cold rolling, indoor-outdoor lighting installation and LV switchgear manufacturing and installation works.

- Iskenderun

AIRPORTS



HAVAS AIRPORT LAND SERVICE

Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- Antalya



BURSA YENISEHIR AIRPORT TERMINAL

Electrostatic active protection and grounding system design and installation works. Surge protection systems.

- Bursa



KING KHALID INTERNATIONAL AIRPORT TERMINAL

MV/LV and Extra Low Voltage system, Fire Detection/Fighting, HVAC, Electrical and Mechanical projects shop drawings, procurements, installations and commissioning project management and coordination works.

- Riyadh/KSA

COMMERCIAL BUILDINGS



BORUSAN HOLDING

Head quarter building IT system grounding.

-Istanbul



GIZ INSAAT

IZ Plaza electrostatic active protection and surge arrestor systems. Design and installation works.

-Istanbul

COMMERCIAL BUILDINGS



KOSIFLER AUTOMOTIVE

Head quarter building
electrostatic active protection
and surge arrestor systems.
Design and installation works

-Istanbul



MASERA AVM

Shopping Mall electrostatic
active protection and surge
arrestor systems. Design and
installation works.

- Konya



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COMMERCIAL BUILDINGS



AKBANK

Küre Branch electrostatic active protection and surge arrestor systems. Design and installation works.

- Istanbul



BUONGIORNO PIZZA RESTAURANT

Electric works, kitchen equipment installation and lighting.

- Palm Beach, Florida-USA



JUNO BEACH ITALIAN RESTAURANT

Electrical works, outdoor ventilation and lighting installation.

- Juno Beach, Florida-USA

RESIDENCE



MIRASOL HOUSES

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and installation
works.

- Florida-USA



MIRABELLA HOUSES

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and installation
works.

- Florida-USA

RESIDENCE



ADMIRAL'S COVE HOUSES

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and installation
works. Interior renovation works.

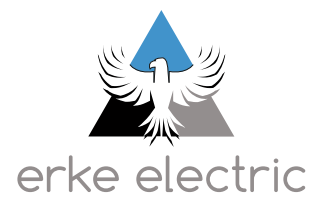
- Florida-USA



FRENCHMAN RESERVE HOUSES

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and installation
works. Interior renovation works

- Florida-USA



RESIDENCE



JANATTON OTTO HOUSE

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and
installation works.

- Florida-USA



OLYMPOS HOUSES

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and installation
works.

- Florida-USA



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RESIDENCE



DR. OSTROVSKI HOUSE

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and installation
works. Sound system installation.

- Florida-USA



DR. ROGER DUNCAN HOUSE

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and installation
works. Interior renovation works.
Home theatre wiring.

- Florida-USA

RESIDENCE



COBBLE STONE HOUSES

Indoor electrical works.
Indoor/Outdoor lighting
manufacturing and installation
works.

- Florida-USA



MAYA HOUSING

8 MVA MV Switchgear and
transformer installation works.

-Etiler/Istanbul

RESIDENCE



ATATÜRK MANSION
LV panel building and
installation works.

- Yalova



KASABA HOUSES
Electrostatic active protection
(50x12m pillar type) systems
and grounding system design
and installation works. Surge
protection systems. Outdoor
lighting installation works.

-Istanbul

MILITARY & PUBLIC



İMRALI ADASI CEZAEVİ
Kule ve bina tipi (30mt) darbe gerilim koruma ve elektrostatik aktif koruma sistemleri

- İmralı Adası



DEĞİRMENDERE POLİS KARAKOLU
Darbe gerilim koruma ve elektrostatik aktif koruma sistemleri

- Gölcük



TUBİTAK
Antalya observatory electrostatic active protection and chemical grounding system design and installation works.

- Antalya

MILITARY & PUBLIC



İZMİT KOCAELİ MUNICIPALITY

Electrostatic active protection and grounding system design and installation works.

- Kocaeli



GREEK EMBASSY

Electrostatic active protection and grounding system design and installation works.

- İstanbul



BELGIUM EMBASSY

Electrostatic active protection and grounding system design and installation works.

- İstanbul

COMMUNICATION



MOTOROLA

90mt overhead line power supply, local permits and license works, test and commissioning.

- Düzce



MOTOROLA

975mt overhead line power supply, local permits and license works, test and commissioning.

- Konya

COMMUNICATION



MOTOROLA

790mt overhead line power supply, local permits and license works, test and commissioning.

- Muş



MOTOROLA

700mt overhead line power supply, local permits and license works, test and commissioning.

- Bitlis

COMMUNICATION



MOTOROLA

910mt overhead line power supply, local permits and license works, test and commissioning.

- Eskişehir



MOTOROLA

371mt overhead line power supply, local permits and license works, test and commissioning.

- Nevşehir

COMMUNICATION



MOTOROLA

1000mt overhead line power supply, local permits and license works, test and commissioning.

- Tokat



ARIA

Power supply, local permits and license works, test and commissioning.

- İskenderun

COMMUNICATION



ARIA

Power supply, local permits and license works, test and commissioning.

- Adana



TURKCELL

GSM BS service and periodic maintenance.

- İstanbul Avrupa yakası

COMMUNICATION



TURKCELL

Electrostatic active protection and grounding system design and installation works.

- İstanbul



TURK TELEKOM

Head Quarter building electrostatic active protection and grounding system design and installation works.

- İstanbul



AKS TV

Broadcast building electrostatic active protection and grounding system design and installation works.

- İstanbul

HOTEL, MUSEUM, SCHOOL



MÖVENPICK HOTEL

Electrostatic active protection and grounding system design and installation works.

- İstanbul



PRINCESS HOTEL

Electrostatic active protection and grounding system design and installation works

- İstanbul

HOTEL, MUSEUM, SCHOOL



KOÇ COLLEGE

Electrostatic active protection and grounding system design and installation works

- İstanbul



YEDİTEPE UNIVERSITY

Electrostatic active protection and grounding system design and installation works

- İstanbul

HOTEL, MUSEUM, SCHOOL



MUĞLA UNIVERSITY

Electrostatic active protection and grounding system design and installation works

- Muğla



RAPID'S WATER PARK

MV Transformer substation, 10kV underground transmission line, LV Switchgear, Softstarter and control panel installation works

- Palm Beach, Florida/USA

HOTEL, MUSEUM, SCHOOL



LAUREN ADAMS GALLERY

Indoor electrical works,
lighting installation

- Palm Beach, Florida/USA



TOPKAPI PALACE

Electrostatic active protection
and grounding system design
and installation works

- İstanbul

HOTEL, MUSEUM, SCHOOL



MINISTRY OF EDUCATION
Primary school. Electrostatic active protection and grounding system design and installation works.

- Kocaeli



MINISTRY OF EDUCATION
Solaklar Primary School. Electrostatic active protection and grounding system design and installation works.

- Kocaeli



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HOTEL, MUSEUM, SCHOOL



MINISTRY OF EDUCATION
Eşme Primary School.
Electrostatic active protection
and grounding system design
and installation works.

- Geyve



MINISTRY OF EDUCATION
Akmeşe Primary School.
Electrostatic active protection
and grounding system design
and installation works.

- Antalya

HOTEL, MUSEUM, SCHOOL



MINISTRY OF EDUCATION
Bilecik Secondary School.
Electrostatic active protection
and grounding system design
and installation works.

- Bilecik



MINISTRY OF EDUCATION
Kütahya Secondary School.
Electrostatic active protection
and grounding system design
and installation works.

- Kütahya



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