Contracting
Cogeneration and Trigeneration
Diesel and Gas Generator Sets
Pump Packages
Engineering
Project Management
Panel Systems
Engine Control Systems
Automation/SCADA Systems
Procurement
Packages
UPS
Lighting Tower
Company Profile

Our Company has been operating within industrial, oil & gas, energy markets in Turkey, Azerbaijan, Kazakhstan, Georgia and Kyrgyzstan with our own organization and many other countries with our partners for more than 20 years.

We have references in variety of sectors such as shopping malls, airports, hotels, mining sites, hospitals, universities, oil platforms, pumping stations, data centers, marine, industrial and power plants.

We offer total solutions conforming to our customer’s needs with a customer-oriented approach.

Vision

We aim at being the best in Turkey and become preferred Total Solutions & Systems Partner around the world, always reliable with consistent and affordable quality.

Mission

Our mission is to create long lasting added value to our customers, EPC partners as well as our shareholders with engineered systems, packages and turnkey solutions by having a win-win approach, consistent & affordable quality, high business ethics and proud, customer focused, dedicated workforce.

Our Fields of Operation

Our services include electrical system integration, automation systems, mechanical packaging and specialized EPC (Engineering, Procurement and Construction) contracting as well as related after sales services.
Turnkey Solutions

- Engineering
- Procurement
- Manufacturing
- Logistics
- Contracting
  - Project Management
  - Construction & Site Management
  - Testing and Commissioning
  - Warranty and After Sales Services, Maintenance and Operation

Engineering

Borusan Endüstriyel Sistemler uses the expertise and experience it has in the fields of industrial facilities, power plants, oil and gas industry and provides basic and detailed design engineering services. We have experience in the local and international standards. We offer professional engineering services in energy & industrial and oil & gas projects to meet our customers’ needs:

- Feasibility Study
- Conceptual Design
- Basic Design
- Detailed Engineering and Application Projects
- Technical Offers
- Preparation of Documentation Required for Design, Construction and Erection
- Training

Procurement

Materials and services conforming to the price and quality of the need with optimum lead times are provided within the scope of corporate criteria.

Material and Service Supply

- Outdoor and Indoor Lighting Systems
- Low Voltage Systems
- Fire Alarm and Extinguishing Systems
- Closed Circuit Camera Systems
- Building Automation Systems
- A.G Distribution Systems
- Cabling/Busbar
- D.G Systems
- Lightning Protection
- Grounding
- Generator
- Piping Systems
- Ventilation Systems
- Cooling and Heating Systems
- Compressed Air Systems
- Plumbing
- Natural Gas Systems
Manufacturing

- Automatic Transfer Panels
- Synchronization Panels
- Pump Skid Assemblies
- Sound Insulation Container and Cabin
- Vibration Insulator
- Fuel Tanks and Silencers
- Cogeneration and Trigeneration Packages
- Lighting Tower
- UPS
- Power Distribution Panels
- Control and Automation Panels
- Cogen / Trigen Automation Panels
- Customized Power Packs
- Motor Control Centers
- SCADA Systems

Lighting Tower:

It has a metal cabin with Original Perkins, Lister Petter, Caterpillar engine options and 4 x 1,000 Watt lighting specifications, able to rise 9 meters and give energy to the outside. It provides smooth and continuous lighting thanks to lamps resistant to weather conditions with IP65 protection factor. Additionally, our lighting towers have declaration document valid in Russian Federation.

UPS:

UPS systems that could be increased up to 4800 kVA through paralleling option within a power range of 10-600 kVA with a single UPS are provided with 3 years of guarantee.
Electrical Solutions and Panels:
Transfer and Synchronization panels use various brands of switching equipment and projects are designed through the selection of equipment with a disconnecting capacity conforming to the need. Low voltage, motor control centers and automation panel cabins are produced with IP54 protection class and have TIP certificate from KEMA.

Our panels are manufactured according to IEC 60439-1 standards. All our panels have CE certificates.

Cogeneration / Trigeneration Packages:
High-performance, high spec, high quality and cost-efficient power systems range between 50 kW - 4300 kW generate heat and electricity by burning natural gas, biogas or landfill gas.

All electrical and mechanical, engineering, assembly and commissioning services for the in-building applications; all mechanical and cabin automation panels in the modular solutions with cabins are manufactured completely by Borusan Endüstriyel Sistemler.

Ormet - Kazakhstan
3 x 2458 kVA Generator Package
BESys Synchronization Panel
BESys Duplex Container
BESys Silencer
Contracting

We offer high-quality and high-performance turnkey solutions conforming to the business schedule of our customers in all electrical and mechanical field applications through experienced field engineers and project management team.

We mainly operate in fields such as industrial facilities, factories, power plants, oil and gas industry. Our main criteria are full customer satisfaction in specified lead times in the beginning of the project, cost of project and optimal application of the technical solutions on the field. Our approach related to our customers is to be a business partner for them beyond product or service supply.

- Project Management
- Construction & Site Management
- Testing and Commissioning
- Warranty and After Sales Services, Maintenance and Operation

Logistics

- Import
- Export
- Transportation through land, air and marine lines
- Storage
Energy & Industrial Projects

TAV-Adnan Menderes Airport

Production of all detailed and manufacture-related engineering after the general project design along with all electro-mechanical works, job site establishment, material supply, assembly and testing delivery to the customer as a turnkey solution.

Detailed Scope

Fire Fighting Systems: Fire Detection, Alarm and Fire Extinguishment Systems


Power System: 10MWe Cat Gas Generator, UPS, Compressor System, 5 x 2500 kVA Step-up Transformer and 1 x 1000 kVA Unit Service Transformer, 5 x Absorption Multi Chiller, 5 x Open Type Cooling Tower

Elif Plastik

The project involves the construction of a new packaging plant in Egypt.

The production of all detailed and manufacture-related engineering after the general project design along with all electro-mechanical works of the plastic factory established on a closed site of approx. 15,000 m², As-Built drawings preparation, material supply, assembly, job site establishment, site and workshop manufacturing and testing and finally its turnkey delivery to the customer.

Detailed Scope

Fire Fighting System: Approx. 7,000 m duct, full sprinkler system, pumps, fire automation, instrumentation, valves, CO₂ system and powder firefighting systems and turnkey delivery of the full system to the customer.

Mechanical Works: Approx. 4,000 m piping, sanitation and plumbing water systems of the whole facility, taps, valves, pumps, boosters and drainage system’s turnkey delivery.

Building Management System: Turnkey delivery of the card pass system of the whole building, central hardware and software and all instrumentation.

Compressed Air System: Turnkey delivery of the compressed air system, valve, armature and instrumentation for process and supplementary facilities of the whole facility with approx. 3,000 m duct.

HVAC System: Turnkey delivery of the whole facility with 4 chillers, 8 cooling towers, 20 pumps, 106 fans in various sizes and flow rates, 6,000 m duct with dampers, insulation, 66 tons sheet and 950 m textile air vents.

Electrical Works: Whole building’s turnkey delivery with grounding and earth termination network, 23,000 m cabling, box, cable tray, a total of 3,400 pcs lighting fixtures, 800 socket, UPSs, distribution system, transformers, approx. 60 pcs of distribution panel, approx. 1,000 m Busbar system, approx. 40 pcs Engine Control Center in various sizes (Driver-Variable Speed Drive), installation of emergency generators the customer owns, full O/G facility, emergency announcement and sound system.

Low Voltage System: Turnkey delivery of approx. 1,000 m fiber optic cabling, communication system with approx. 600 outputs, closed circuit TV system and instrumentation.
Energy & Industrial Projects

**Marmaray**

- 16 x 2 MW CAT Diesel Generator
- BESys Synchronization System

**Kipa MALL**

- BESys 2.3 MW Capacity Absorption Trigeneration System with Chillers

**Kırıkkale University**

- 2 x 1875 kVA Diesel CAT 3512B-HD Generator
- BESys Synchronization System
- BESYS Automatic Transfer Panel
Energy & Industrial Projects

**Marriott Hotel - Ankara**
- 3 x 1875 kVA Diesel CAT 3512B-HD Generator
- Triplex BESys Synchronization System

**Tuprag Gold Mine**
- 3 x 1600 kVA CAT 3512B Diesel Generator
- BESys Synchronization System

**Mercedes**
- 5 x 2 MW Cogeneration System
- BESys Synchronization System
- BESys Control System
- BESys OG Systems
Oil & Gas Projects

Caspi Neft - Kazakhstan
3 x 1.2 MVA Gas Generator
BESys OIG Systems
BESys Synchronization Systems

KSS - Kazakhstan
Asian Pipeline Project Turnkey Delivery (Pumping Station)
In scope of BESys Gas Generator Package: 3 x 1595 kW Generator
BESys Container

Güney Yıldızı - Israel and Turkey
BESys Synchronization System
BESys OIG Systems
BESys Container Type Cab
5 x 1100 kVA CAT Generator
Power Distribution System with Special Sockets

Summa İnşaat
1 x BESys Synchronous Control Panel
2 x 1600 kVA + 1 x 1750 kVA

Metag - Afghanistan
BESys Synchronization System
6 x 1500 kVA Diesel Generator

Eurochem - Kazakhstan
BESys Container
BESys Control Panel
1 x 1600 kVA CAT Generator

Meerbush - Kazakhstan
BESys Container with Exprolf Lighting System
BESys Control Panel
4 x 1.2 MVA Gas Generator
We grow with our references!
Certificates

• OHSAS 18001:2007 The Occupational Health and Safety Assessment Series
• ISO 9001 - 2008 Quality Management System Certificate
• ISO 14001 - 2004 Environmental Management System Certificate
• ISO 10002 - Customer Complaints Management Certificate
• Declaration Document (Gost), Kazakhstan
• CE Certificates for Lighting Tower and Electrical Panel