

a weal future needs cooperative effort



berksan

Who We Are?

Overview

Berksan has been established in December 1998 to provide engineering and construction services for national and international projects.

Berksan has been playing a key role for the industrial construction sector since 2000. In fact with the record of 12.000 MW, Berksan is the leader of power sector. With the sense of being a sophisticated team, Berksan has redefined the limits of client expectations.

Berksan undertakes major Electro-Mechanical Projects which includes power stations, pumping stations, oil and gas plants, refineries, desalination plants, chemical plants, manufacturing plants as a contractor.



Core Purpose





Achieving the company success with personal values is a distinctive characteristics of Berksan.

Mission Statement

To meet the client expectations beyond their standards by services and products as a respond to actual needs, with a competitive price and a unique quality level.

To attract and retain intelligent people by providing them a working environment that encourages to realize their potential.

To uphold the values of the company culture, while being sensitive to and in communication with the other cultures.

To enhance the welfare of the community where the company operates.



Engineering

Berksan has completed complex projects around the world, delivering quality, ease of operation and long term reliability at the lowest return of investment considering:

- * Acceptable and applicable design
- * Choices of correct and up-to-date material and system
- * Correct installation principles
- * International standards
- * Timely delivery

Construction

Berksan offers sophisticated turnkey construction and construction management services considering;

- * Work safety
- * Usage of correct installation techniques
- * Usage of correct installation equipment
- * Usage of expert installation teams
- * Usage of correct and sufficient consumption material
- * Critical path timeline
- * Any kind of support after the installation

Core Values

Teamwork

Every difficulty we face, forces us to grow and be better towards adversity, Berksan staff always take the correct steps for success. Client satisfaction is achieved by the individual sense of responsibility where it ends up with their personal satisfaction.



Integrity

Developing healthy and permanent solutions for a sustainable cooperation,

Staying dynamic by learning and teaching;

Being planned and focussed for succes are the keys of "being the best" without losing decency.

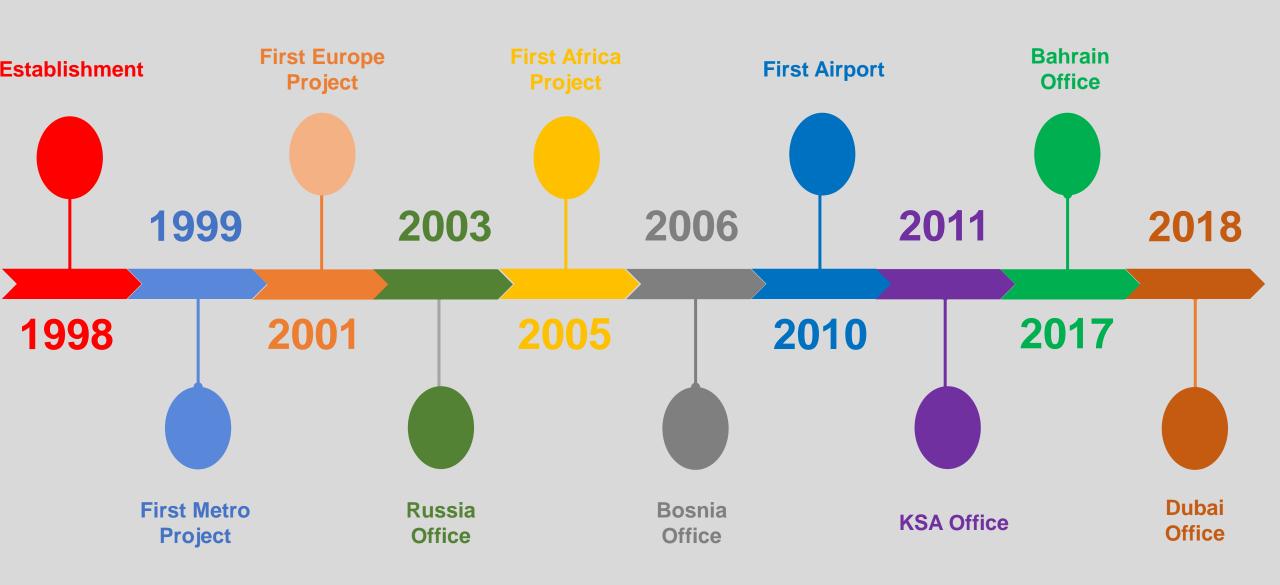
Commitment

Achieving the company success with personal values for a life-friendly future.

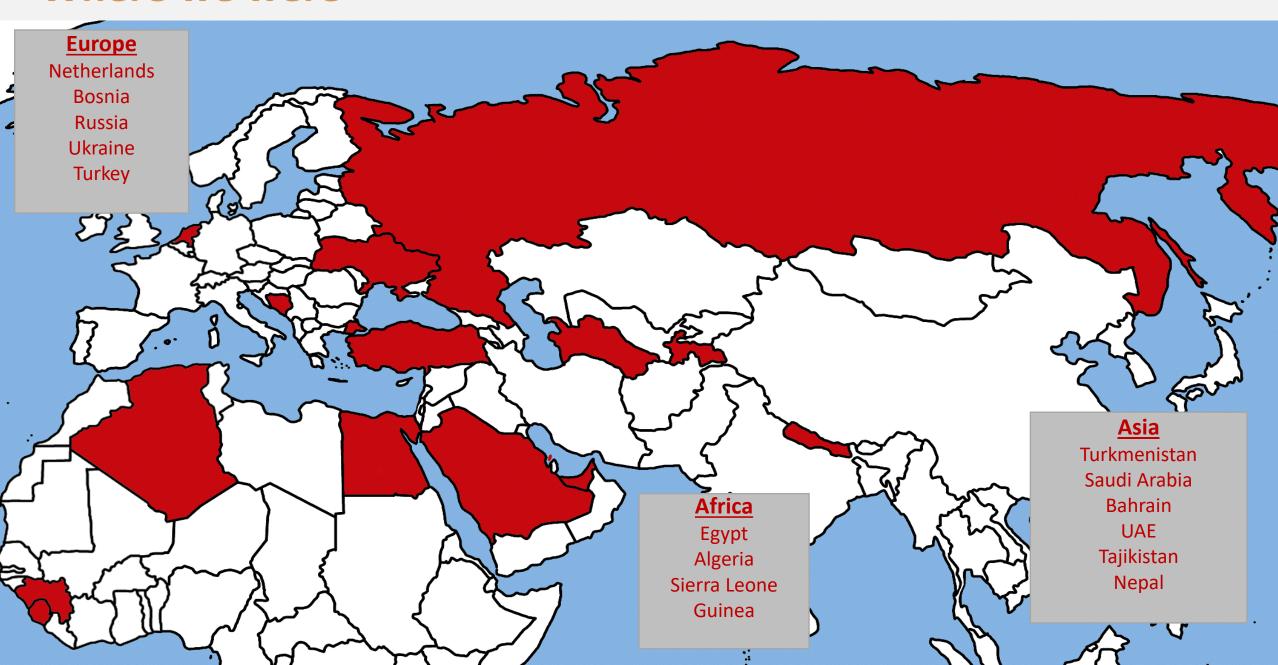
Leaving enlightened days with optimism and tolerance for the future generations.



Milestones



Where we were



World Quality Commitment



WORLD QUALITY COMMITMENT

30th International WOC Convention PARIS October 15-16, 2016
BID - 30 YEARS OF QUALITY CULTURE RECOGNITION WORLDWIDE

Jose E. Prieto

PRESIDENT AND CEO OF BID & BID GROUP ONE Dayle L. Fickling

CHIEF EDITOR
OF IMARPRESS

take great pleasure in informing

BERKSAN MÜHENDISLIK

that it has been selected to receive the Award in the

GOLD CATEGORY PARIS 2016

WQC INTERNATIONAL STAR AWARD

INTERNATIONAL QUALITY CONVENTION

The Gala Dinner and Awards Ceremony will take place at the Espace Étoile Convention Hall Paris, France

HYATT REGENCY PARIS ETOILE HOTEL (FORMERLY CONCORDE LA FAYETTE) 3, PLACE DU GÉNÉRAL KOENIG - 75850 PARIS, FRANCE DATE: SUNDAY, OCTOBER 16, 2016, TIME: 18:30

The BID award has appeared in previous years on television and in various media facets on all continents.
The event will be attended by members of the diplomatic corps and international businessmen, professionals in economy and the arts, members of the press, and experts in public relation



INTERNATIONAL QUALITY CROWN AWARD

28th International Quality Crown Convention LONDON November 19-20, 2016
BID - 30 YEARS OF QUALITY CULTURE RECOGNITION WORLDWIDE

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INTERNATIONAL QUALITY CROWN

INTERNATIONAL QUALITY CONVENTION

The Gala Dinner and Awards Ceremony will take place at the Guoman Tower Convention Hall in London, United Kingdom

GUOMAN TOWER HOTEL (ST. KATHERINE'S WAY, LONDON EIW ILD).

DATE: SUNDAY, NOVEMBER 20, 2016, TIME: 18:30

The BID, award has appeared in previous years on television and in various media facets on all continents.

The event will be attended by members of the diplomatic corps and international businessmen, professionals in economy and the arts, members of the press, and experts in public relations and relevation.

GOLD CATEGORY

Our Services/Engineering

Design Engineering

Our design and engineering services cover Mechanical & Electrical systems, Process Automation, Utility Services, Infrastructure and IT systems.

Services we provide include;
Project Report
Basic Design
Detail Design
Working Design
Engineering Calculations
Material Specification & Data Sheets



Project Management

Project Management covers all operational aspects of a project.

Services we provide include;

Preparing and Monitoring of the Project Plan
Coordination of the Parties Involved in the Design and
Construcion
Schedule Management
Quality Control
HSE Management
Budget Management
Contract Management



Procurement Engineering

By utilizing vast market knowledge and supplier relations, Berksan provides proven procurement process toreduce costs significantly.

Services we provide include;

Tendering

Purchasing

Delivery Management

Warehouse Management



Consultancy

Berksan provides distinctive and inventive solutions for challenging projects as a routine. The usual work process and techinal intelligency enable Berksan to achieve the project success.

Services we provide include;

Design Review

Engineering Control

Cost and Budget Control

Schedule Control

Quality Control

Technical Advisery



Start-up & Commissioning

Berksan executes the commissioning and start up services in a planned, controlled and quantified manner with safety of the people and equipment as a primary goal.

Services we provide include;

Cold and Hot Loop Test

Calibration

Functional Test

Chemical Cleaning

Steam Blowing

Trial Run



Our Services/Electrical

Switchyard / HV System

Structural Steel
HV Equipments
HV Cabling
HV Cable Terminations
Transformers
IPB Isolated Busduct

Heat Tracing & Cathodic Protection

Heat Tracing System
Cathodic Protection System
Steam Tracing System

MV System

MV Switchgears
Transformers
MV System Cabling
MV Cable Terminations

LV System

LV Switchgears
MCC Panels
LV System Cabling
LV Cable Terminations
Lighting & Small Power System
Earthing & Lightning Protection









BMS System

HVAC Control Lighting Control Energy Management Scada System



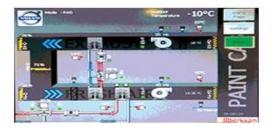
Instrumention

Pressure Control
Temperature Control
Flow Control
Instrument Calibration
Instrument Tubing



DCS System

DCS Panels
Control Cabling
Control Cable Termination
Control Rooms
Cold Loop Test/Hot Loop Test



Low Current System

Fire Alarm System
Security System and CCTV System
Access Control System
Public Annaucement System
Data & Telephone System



Our Services/Mechanical

Gas Turbine

Combustion Turbine Turbojet Engines Generator



Steam Turbine

HP/IP Turbine LP Turbine Generator



Utility System

Potable Water System Domestic Water System Service Water System Fire Protection System Service Air System Sanitary System



Tank Erection

Fire Water Tank
Demin Water Tank
Domestic Water Tank
Fuel Tank
Oil Tank



Rotary Equipment

Pumps Compressors Motors



Static Equipment

Skids
Pressure Tanks
Heat Exchanger
Boilers
Furnaces
Condensers



Piping Fabrication & Erection

HDPE Pipe Carbon Steel Pipe Alloy Pipe Stainless Steel Pipe Galvanized Pipe

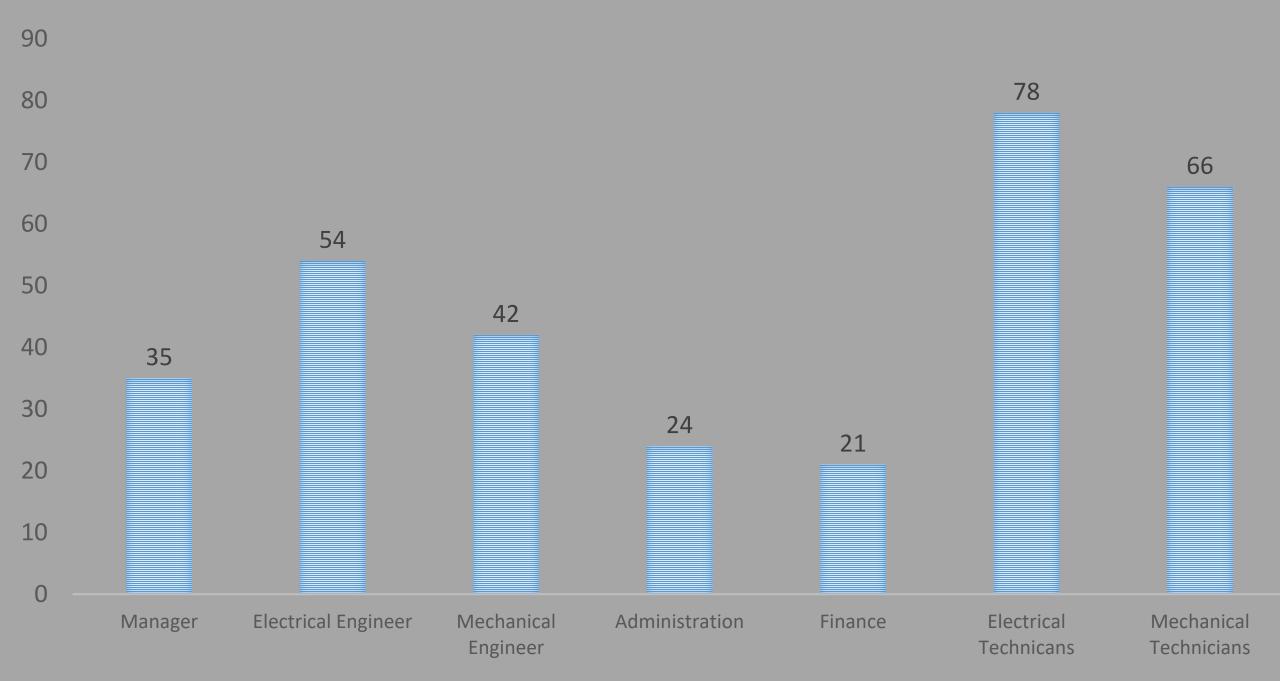


HVAC System

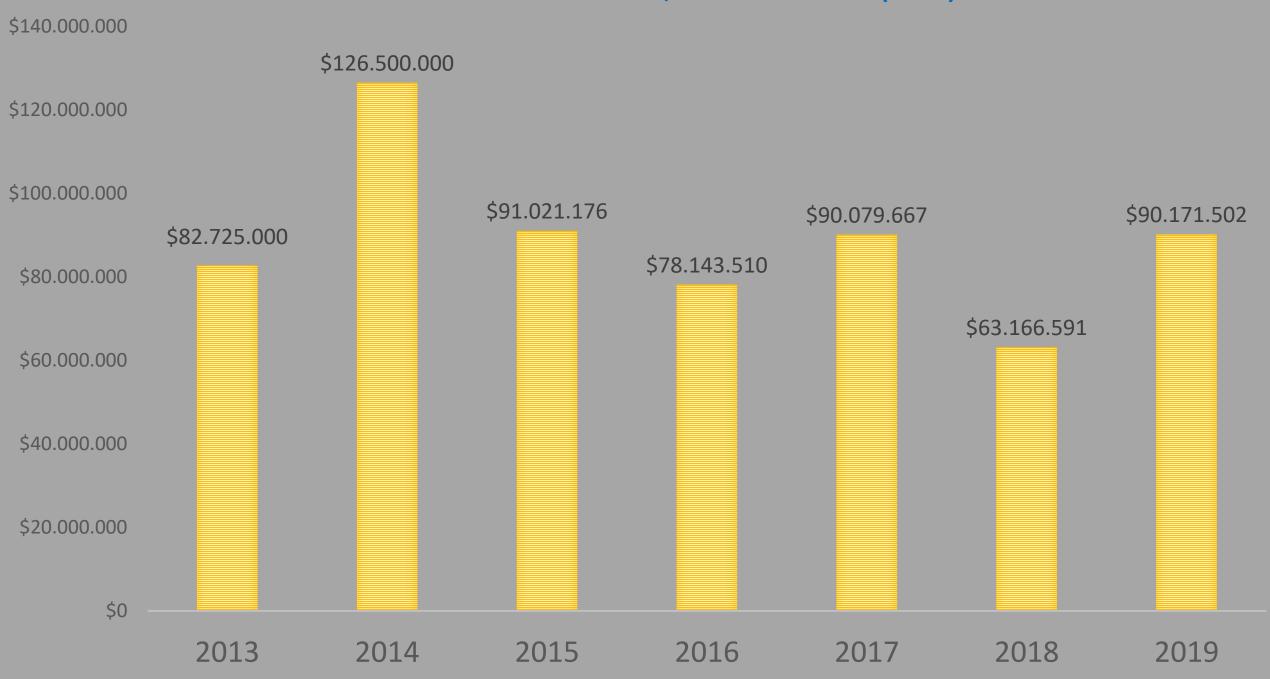
Heating System Cooling System Ventilation System



HIGHLIGHT OF THE KEY PERSONNEL



TURNOVER PER ANNUM, LAST 7 YEARS (USD)



Health and Safety

Berksan has the international consciousness and moral of HSE.



Zero Accident Philosophy is to be achieved with a Behaviour Based Safety Program in order to eliminate the possible incidents and diseases at construction area before they happen.

"Daily Toolbox Meeting"



"All injuries and occupational diseases can be prevented."





Belief: All injuries and occupational illnesses diseases can be

prevented.

Full Safety is a responsibility of all Berksan personnel. And everyone

Participation: has to participate the awareness and preventive process of

incidents.

Organization

Berksan conducts risk analysis and takesing all preventive measures during the organisation and planning steps of the

activities

Inspection: Berksan continuously inspect the correctness and safety of the

our workers behavious during activities.

Continuity: Berksan always keep the safe working conciousness alive by the

incentive programs and and keep doing systematic trainings until

the end of the project.

Development: Every incident as a safety hazard, near miss, first aid, recordable

injury and serious injury are reported and recorded to be

evaluated in order to prevent further incidents.

Conclusion: For a successful and safe project without and LTA and further more

fatality.

OUR MARKETS/ INDUSTRIAL PROJECTS

Power Generation Plant



Chemical Plant



Oil and Gas Plant



Automative Plant



Fertilizer Plant



Iron and Steel Processing Plant



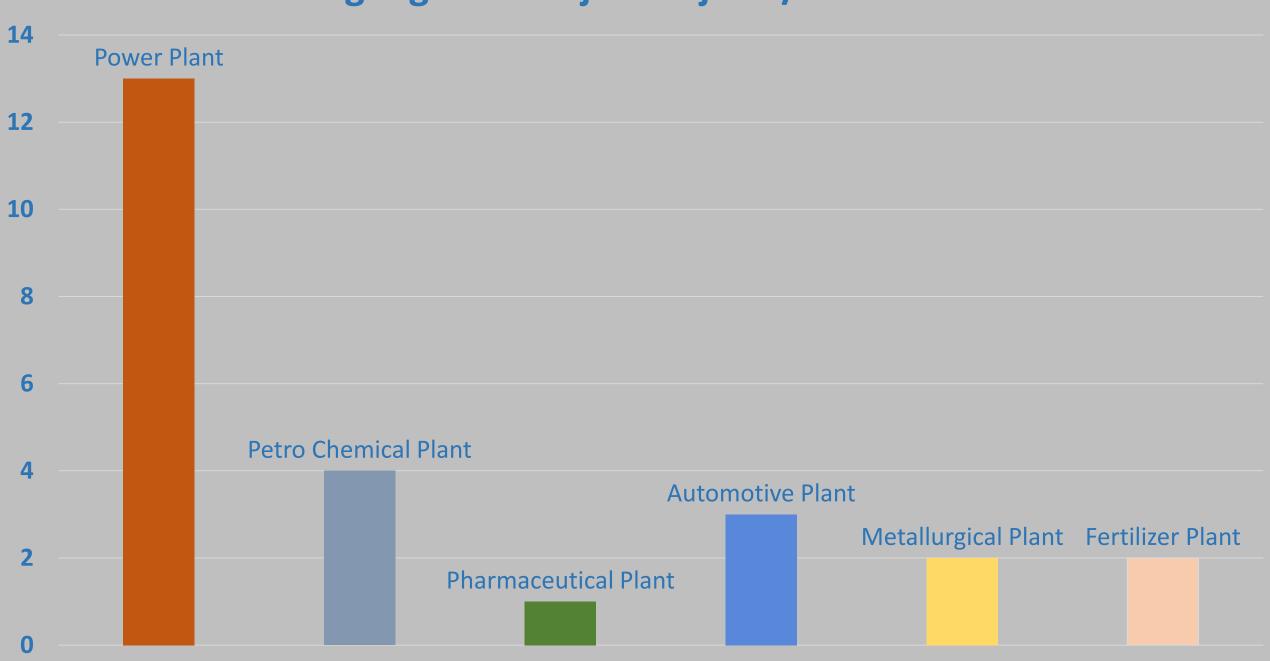
Manufacturing Plant



Water Treatment Plant



Highlight of Major Projects/Industrial



Sakarya / Turkey

Gebze Power Plant

1540MW Natural Gas Combined Cycle

Bechtel - (USA), Enka A.Ş. -(Turkey) J.V.



Gebze Power Plant is located 150km east of Istanbul. Natural gas is supplied by BOTAS, the Turkish state-owned gas company.

The plant is based on 2x770MW power block each featuring two gas turbines, two vertical heat recovery steam generators and one 260MW steam turbine.

In the power plant natural draft dry cooling towers serve each power block.

Gas turbines by GE, steam turbine by Alstom, HRSG by CMI, cooling system by EGI.

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Electrical Scope of Works

MV System
LV System
DCS System
Iso Busduct and Generator Circuit Breakers
Black Start Generators
Heat Tracing System
Cathodic Protection System
Steam Tracing System

Instrumentation System
Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System













Installation Works

Testing

Pre-Commissioning

Commissioning Support

And Design Engineering for Lighting System, Earthing System, Lightning Protection System, and Fire Alarm System.

Sakarya / Turkey

Electrical Scope of Works

MV System
LV System
DCS System
Iso Busduct and Generator Circuit Breakers
Black Start Generators
Heat Tracing System
Cathodic Protection System
Steam Tracing System

Instrumentation System
Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System

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770MW Natural Gas Combined Cycle

Bechtel - (USA), Enka A.Ş. -(Turkey) J.V.











Adapazarı Power Plant is located 150km east of Istanbul, close to city of Sakarya. Natural gas is supplied by BOTAS, the Turkish state-owned gas company.

The plant is based on 770MW power block featuring two gas turbines, two vertical heat recovery steam generators and one 260MW steam turbine.

Gas turbines by GE, steam turbine by Alstom, HRSG by CMI, cooling system by EGI.

Installation Works

Testing

Pre-commissioning

Commissioning Support

And Design Engineering for Lighting System, Earthing System, Lightning Protection System, and Fire Alarm System

Rotterdam / The Netherlands

Rijnmod Power Plant

800MW Natural Gas Combined Cycle

Bechtel - (USA), Enka A.Ş. -(Turkey) J.V.



Rinjmod Power Plant is located 15km far from Rotterdam.

The Rinjmod Power Plant, is a natural -gas fueled facility with a nominal 790MW electricity and 350 tones per hour of steam net output.

The plant consist of two combustion turbine generators, two fired heat recovery steam generators and one lateral exhaust steam turbine generator in a 2x2x1 configuration. Plant cooling is provided by a mechanical draft, plume-abated cooling tower, with make up water from the nearby petroleum haven, following processing through an Acti-floc clarifier.

Gas turbines by Siemens, steam turbine by Alstom, HRSG by Standartfazel.

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Electrical Scope of Works

MV System
LV System
DCS System
Iso Busduct and Generator Circuit Breakers
Black Start Generators
Heat Tracing System

Instrumentation System
Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System













Installation Works

Testing

Pre-Commissioning

Commissioning Support

And Design Engineering for Lighting System, Earthing System, Lightning Protection System, and Fire Alarm System.

Kahramanmaraş / Turkey

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Afşin Elbistan B Power Plant

4x360MW Coal Fired

Enka A.Ş., Gama A.Ş., Tekfen A.Ş, Tokar A.Ş. -(Turkey) Mitsibushi Heavy Industry -(Japan), Babcock -(Germany) J.V.





Afşin-Elbistan B Thermal Power Plant is located in Kahramanmaras, southeast of Turkey.

The plant is a ignite fired facility with a 4x360MW nominal electricity output.

Execution of the project has been included the construction and erection of boilers and bunkers, coil stock yard and coil handling system, stocks, flue gas desulphurization storm meter system, four steam turbojets, the slag and ash handling, the row water supply system, the water treatment plant, the cool handling system, the cooling system, all ancilary plants and all operation and auxiliary buildings (Workshop, Mill Repair Ahop, Operation Building) of the plant.

Electrical Scope of Works

MV System, LV System, DCS System, Iso Busduct and Generator Circuit Breakers Black Start Generators Heat Tracing System Instrumentation System Lighting System Earthing System Fire Alarm System CCTV and Security System Telephone and Data System













Installation Works
Testing
Pre-commissioning
Commissioning Support

Baufarik/Algeria

Baufarik Power Plant

770MW Natural Gas Simple Cycle

GE - (USA), Gama Power. -(Turkey) Consortium



Construction of a Gas Turbine Power Plant in Boufarik, with a total power output of 750 MW is to be realized for Sonelgaz.

The Power Plant has 3 GE 9FA gas turbines, main equipments as well as HV switchyard and all balance of plant equipments.

With its completion the plant will generate energy around 4,000 GWh per year which will have a significant contribution to energy production in Algeria and provide electricity to more than 1 million homes by improving energy security in the country

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Electrical Scope of Works

Installation, testing, pre-commissioning and commissioning support works for ;

MV System LV System DCS System

Iso Busduct and Generator Circuit Breakers

Black Start Generators Heat Tracing System

Instrumentation System

Lighting System Earthing System Fire Alarm System

CCTV and Security System Telephone and Data System













Mechanical Scope of Works

Installation, testing, pre-commissioning and commissioning support works for ; Bop Systems

Centerline Erection

Gas Turbines, 3xGE-9FA Air Filter System and Inlet Duct

Lube Oil System CO2 System

Hydrogen Dry System Instrument Air System Wash Water System Exhaust Diffuser&Duct

All on Board Piping Works

Demin Water System

Closed Cooling System

Fuel Gas System

Condansate System

Fire Fighting System Instrument Air System

GT Drain System

BOP Equipment Installation

Water Treatment Plant

Hatay / Turkey

Erzin Power Plant

900MW Natural Gas Combined Cycle

GE - (USA), Gama Power. - (Turkey) Consortium.



Erzin (CCGT) Power Plant is located in Erzin southeast of Turkey.

The plant is based on a multishaft configuration that comprises two gas turbines (209FB), steam turbine (MTD 60) and three generators (GE 330H), two horizontal heat recovery steam generators.

Gas turbines and generators by GE, steam turbine by Skoda, HRSG by Doosan

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Centerline Erection

Installation, testing, pre-commissioning and commissioning support works for;

Gas Turbines, 2xGE-9FB Steam Turbine, 1xSkoda - MTD 60 Generators, 3xGE-330H Condenser System, 1xFW Surface Steam Condenser Air Filter System and Inlet Duct Lube Oil System CO2 System
Hydrogen Dry System
Instrument Air System
Wash Water System
Exhaust Diffuser&Duct
All on Board Piping Works











Bop Piping Works

Installation, testing, pre-commissioning and commissioning support works for ;

Main Steam System
Demin Water System
Feed Water System
Closed Cooling System
Fuel Gas System
Condansate System
GT & ST Drain System
Hydrolic System

Potable Water System
Service Water System
Sampling System
Fire Fighting System
Instrument Air System
BOP Equipment Installation
Water Treatment Plant
All Auxiliary System

Surgut / Russia

Surgut Power Plant

2x400MW Natural Gas Combined Cycle

GE - (USA), Gama Power. -(Turkey) Consortium



Surgut Power Plant is located in Surgut in Hanti-Mansi region of Russia.

The plant is configured as single shaft with 2x400MW electric output. Each unit has a gas turbine (GE 9FA), a generator (GE 390H), a steam turbine(GE D10) and a horizontal heat recovery steam generator.

Gas and steam turbines by GE, HRSG by CMI.

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Electrical Scope of Works

Installation, testing, pre-commissioing and commissioning works for;

MV System
LV System
DCS System
Iso Busduct and Generator Circuit Breakers
Black Start Generators
Heat Tracing System

Instrumentation System
Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System













Mechanical Scope of Works

Installation, testing, pre-commissioning and commissioning works for;

Gas Turbine and Steam Turbine Erection Generator Erection Lube Oil System Fuel Gas System Seal Oil System CO2 System
All Piping Works for Gas Turbine
and Steam Turbine
Air Inlet and Air Filter System
Condenser System

Adana / Turkey

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Tufanbeyli Power Plant

450MW Coal Fired

SK Construction & Engineering -(South Korea)



Tufanbeyli thermal power plant is located in Tufanbeyli, near Adana, southeast of Turkey.

The plant is, based on 3x150MW power block each coupled with an individual steam turbine and disagned to generate 3 billion kWh electric energy by consuming 7.2 million ton coal per year.

Tufanbeyli Power Plant one of the most environment friendly plants in Turkey with FGC technology.

Power systems by Doosan, steam turbine by Skoda.

Electrical Scope of Works

MV System
LV System
DCS System
Iso Busduct and Generator Circuit Breakers
Black Start Generators
Heat Tracing System

Instrumentation System
Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System













Installation Works Testing Pre-commissioning Shatura / Russia

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Shatura Power Plant

400MW Natural Gas Combined Cycle

GE - (USA), Gama Power. -(Turkey) Consortium



Shatura Power Plant is located in Shatura 100km south of Moscow.

The plant has 400MW electric output with its single shaft combined cycle configuration consist of a gas turbine (GE 9FA),a generator (GE 390H), a steam turbine (GE D10) and a horizontal heat recovery steam generator.

Gas and steam turbines by GE, HRSG by CMI

Electrical Scope of Works

MV System
LV System
DCS System
Iso Busduct and Generator Circuit Breakers
Black Start Generators
Heat Tracing System

Instrumentation System
Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System











Installation Works Testing Pre-Commissioning Tuzla /Turkey

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Karadeniz Power Ship KPS-6 Irem Sultan

110 MW On Dual Fuel (HFO and Gas Fired)

Cimtas Shipyard (Turkey)



KPS IREM SULTAN is a power station vessel, built by the Fincantieri Marghera Shipyard in Venice, Italy in 1984. By 2014, she was transformed into a powership at the Çimtaş Shipyard in Başiskele/Gölcük, Kocaeli.

The ship is 23.990 gross tons, 157,78m long and 30m wide.

The power plant of ship consists of 6 ea of MAN 18V51/60 DF-Dual Fired Engine - Generator sets. There are 6 ea of HRSG (Heat Recovery Steam Generators) coupled with each engine's exhause stack to generate steam to run 2x10 MW steam turbine-generator sets. The total capacity of the ship is 110MW.

Electrical Scope of Works

MV System
LV System
DCS System
Heat Tracing System
Instrumentation System

Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System











Installation Works Testing Pre-commissioning Kahramanmaraş / Turkey

Afşin Power Plant Coal and Ash Conveyors

Gama Endüstri Tesisleri A.Ş. -(Turkey)



Afşin-Elbistan B coal fired power plant has fully automated conveyor systems feeding power plant with coal and transferring waste -ash out.

Coal and ash conveyors have 4500t/h coal and 1500t/h ash carrying capacity. Coal conveyors are 4918m and ash conveyors are 2572m length of a total 7490m conveyor system

Conveyor systems have 5.5MW total installed power.

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Electrical Scope of Works

Design Engineering, Material Procurement and Installation Works for;

MV System LV System Scada System Lighting System Earthing System













Installation Works Testing

Pre-ommissioning

Commissioning Support

And Design Engineering for MV & LV Distribution System, Lighting System, Scada Control System, Earthing System

Sakhalin Island / Russia

Sakhalin Onshore Facility Processing (OPF)

Bechtel - (USA), Enka A.Ş. -(Turkey) J.V.



The onshore processing facility (OPF) is located off the north eastern shore of Sakhalin Island, 7km inland from the landfall of the offshore gas pipelines from the Lunskoye Platform.

The primary function of the facility is the processing of gas and condensate received from the Lunskoye field, prior to pipeline transportation to the oil export terminal and LNG facilities in Prigorodnoye at the southern tip of Sakhalin Island. It also receives oil and gas streams from the platforms for onward transportation by pipeline to Prigorodniye.

At full capacity the OPF will be capable of processing 1.800 million SCF/d (51 million cubic meter a day) and about 60.000 barrels of condansate/oil per day. The OPF facilities also includes 120MW power plant to generate power

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Electrical Scope of Works

Electrical and instrumentation works for:

Main substation building, Meg regeneration building, Power generation building, Compressor house, Crude oil booster pump building, Train-1/Train-2/Train-3, Tank areas, Pipe racks, Flare area, All utility buildings, Control building, Re-injection unit, Sewage treatment building, Condensate unit, Water wells, Disposal injection wells, Inlet and flare drum, Chemical storage unit.













Installation, testing, pre-commissioning and commissioning works for ;

MV System LV System DCS System Heat Tracing System Instrumentation System Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System

Design and Engineering works for;

Lighting System, Earthing System, Lighting Protection System and Fire Alarm System for all plants,

Electrical System Design and Engineering for Non-Industrial Buildings,

Ras Al Khair / Saudi Arabia

Berksan-Nesma&Partners J.V. Scope of Works

Design and Engineering for Main Substation Building;

Civil Engineering and Design Architectural Design HVAC System Engineering and Design MV and LV System Engineering and Design Material Supply for All System

Ma'aden Aliminum Refinery

Fluor Cooperation/USA















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Ma'aden Aluminium Complex is located in Ras Al Khair, 90 km North of Jubail, Kingdom of Saudi Arabia.

The complex has annual production capacity of 1.8 million tons of alumina, 740.000 tons of aluminum and 380.000 tons of aluminum sheets.

Ma'aden Aluminum Complex consists of 3 main units as refinery, smelter and rolling mill. And also includes power, steam and water facilities for its internal consumption. Civil Construction Works Architectural Works Electrical Installation Works Mechanical Installation Works Testing Start-up and Commissioning Training & Handover Mary / Turkmenistan

berksan

Mary Fertilizer Plant

1200 Tonnes Ammonia and 1925 Tonnes Urea Per Day

Kawasaki -(Japan) & Renaisance Construction -(Turkmenistan)



Mary Ammonia Fertilizer Plant is, located in Mary at southeast of Turkmenistan, operated by Turkmenkhimya, the Turkmen state-run chemical company.

The Fertilizer complex comprises ammonia and urea plants, power generation, water treatment, nitrogen production, off-site and utility facilities.

The plant has production capacity of 1,200 tonnes of ammonia and 1,925 tonnes of urea per day.

Electrical Scope of Works

Electrical and instrumentation works for:

Amonia Plant Urea Plant Power Generation Plant

Boiler Plant

Water Treatment Plant Nitrogen Production Plant

Utility Plant

Material Handling Plant











Installation, testing, pre-commissioning and commissioning works for ;

MV System LV System DCS System Heat Tracing System Instrumentation System Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System

Design and Engineering works for;

Electrical System design and engineering for Non-Industrial Buildings

Garabogaz / Turkmenistan

Garabogaz Fertilizer Plant

: MHI & GAP JV.



The plant, to be constructed in Garabogaz, northwest of the country along the Caspian Sea, will be the largest urea fertilizer plant in the country, with contracts amounting to some 1.3 billion US dollars. The complex will consist of an ammonia plant with production capacity of 2,000 ton per day and a urea plant with production capacity of 3,500 ton per day, as well as other related infrastructure and delivery facilities.

Turkmenistan has had steady economic growth in recent years due to its natural gas reserves, the 4th largest in the world. The Turkmen government is also actively seeking to enhance the value added component of natural gas products as well as expanding and diversifying exports and sales in the sector. The construction of this fertilizer plant is therefore consistent with that strategy as it will enable the increase of fertilizer exports to countries around the world in response to growing agricultural food production.

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Electrical Scope Of Works

Installation, testing, pre-commissioning and commissioning support works of;

MV System

LV System

DCS System

Iso Busduct and Generator Circuit Breakers

Black Start Generators

Heat Tracing System

Instrumentation System

Lighting System

Earthing System



Fire Alarm System CCTV and SecuritySystem

Telephone and Data System













Mechanical Scope Of Works

Installation, testing, pre-commissioning and commissioning support works of;

Structural Steel.

Steam Turbine.

Generators,

Condenser System,

Air Filter System and Inlet Duct

Lube Oil System

CO2 System

Hydrogen Dry System

Instrument Air System

Wash Water System Exhaust Diffuser&Duct

All Piping Works

Tobolsk / Russia

Sibur Tobolsk Polymer Plant

510.000 Tons/Year

Renaiasance Construction. -(Russia)



Tobolsk Polymer is located in Tumen region, Western Siberia, Russian Federation.

Tobolsk-Polymer, a subsidiary of Russian petrochemical company Sibur, one of the biggest polypropylene production complexes in the world with an annual production capacity of half million tons/year of PVC.

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Mechanical Scope of Works

Mechanical Equipment Installation and Piping Fabrication & Erection Works;

Piping Fabrication (550ton),
Piping Erection
Support Erection,
Chemical Cleaning and Drying,
Equipment Installation (1.200ton),
Act and Handover Documentation.











Fabrication Works Installation Works Testing Pre-Commissioning Start-up Support Marib / Yemen

Yemen LNG Facilities - Phase II Construction Work

Safer Exploration & Production Operations Co. (SEPOC)



The Yemeni government has granted Yemen LNG exclusive rights to the gas reserves of the Marib area fields in block 18. The reserves currently dedicated to the project include 9.15 trillion cubic feet (TCF) of proven reserves and 0,7 TCF of probable reserves with 1 TCF allocated to the domestic market. The reserves were re-certified by the independent consultants DeGolyer and MacNaughton in May 2005.

The reservoirs have been producing reliably since 1986 and proven gas reserves are sufficient to produce and export 6.7 million tons/year of LNG for at least a period of 20 years.

Associated gas is currently produced with oil from some 450 active wells and a high percentage of the reserves will be produced from fields already in production. YLNG Upstream Facilities - Phase II project is located in Safer - Marib. Yemen...

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Berksan & Hawk International Joint Venture

Scope of Works

Construction Engineering, Partial Procurement, Fabrication and Construction, Test and Commissioning works for ;

3x30MW Natural Gas Electric Power Station New Compressor Unit New Cryogenic Unit













Infrastructural Works
Civil Works
Structural Steel Works
Architectural Works
Electrical Works
Instrumentation Works
Piping Fabrication and Erection Works
Equipment Erection Works

Istanbul / TURKEY

berksan

Istanbul Metro (Taksim-4. Levent)

Alstom Enterprice A.S. / Turkey



Construction for a north-south metro line started on 19 August 1992 when the groundbreaking of the M2 took place. The original route was a wholly underground 7 km (4.3 mi) line between Taksim and 4. Levent. Construction of the tunnels took place in three separate areas; Taksim, Şişli and 4. Levent.

These tunnels were connected to each other on 8 July 1994 and were completed on 30 April 1995. The line was completed in early 11 January 1999 and the first rolling stock were lowered into the tunnels. On 25 March 1999 the first test runs began and the line entered service on 16 September 2000 between Taksim and Levent. 4. Levent was opened one month later on 24 October 2000.

Electrical Scope of Works

Signaling & Tunnel Works for;

Taksim Station Şişli-Mecidiyeköy Osmanbey Station Gayrettepe Station Levent Station 4. Levent Station













Installation and Test Works for;

Signalling Equipment Installatiom Signalling Cabling Signalling Cable Termination Tunnel Lighting System Tunnel Small Power System Kırıkkale / Turkey

berksan

Tupras Refinery Diesel / Kerosene Hydroprocessing and CCR Reformer

Alsim Alarko San. Tes. A.Ş. -(Turkey)



Tupras Refinery, was established in the middle Anatolian part of Turkey in 1986, produces petroleum derivates to supply nearby cities especially capital city of Ankara. This facility has 5 million tons/year petroleum processing capacity. Petroleum is transferred by 447km length pipeline from Ceyhan unit on the Mediterranean Sea coast.

Tupras Kırıkkale Refinery Diesel / Kerosene Hydroprocessing and CCR Reformer project consists of the construction of utility and auxiliary buildings to enable increase in the production unleaded gasoline at the Kırıkkale Tupras Refinery and to produce sulphur free diesel oil in order to obtain a higher quality, environment friendly product that conforms with EU standarts.

Electrical Scope of Works

Electrical and Instrumentation works for ;

Natural Draft Cooling Towers Energy Production Center Boiler System Demineralized Water Unit SRU / Sulphur Recovery Unit DHP / Desulphurization Unit













Installation, testing, pre-commissioning and commissioning works for ;

MV System LV System DCS System Heat Tracing System Instrumentation System Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System

Vyksa / Russia

Vyksa Casting and Rolling Complex

2 Million Tonnes of hot-rolled steel coils, sheets, and strips/year

Gama Endüstri Tesisleri A.Ş. -(Turkey)



The Casting and Rolling Complex is a modern enterprise that rolls out hot-rolled steel coils, sheets, and strips for small and medium diameter pipes.

The Casting and Rolling Complex is capable of manufacturing complex pipe steel grades, including those for extra-durable and corrosion-resistant pipes. Annual capacity of the plant is 1.2 million tons with 200 standard size rolled stock.

berksan

Electrical Scope of Works

Electrical and Instrumentation works for ;

Arc furnace Ladle furnace

Raw material handling

Scrap yard

Vacuum degasser

Fume treatment plant

Thin slab caster

Tunnel furnace

Roughing mill Intensive cooling

Heated transfer table

Finishing mill Water cooling Down coiler

Coil handling

Auxiliary units (WTP, WWTP, etc.)













Installation, testing, pre-commissioning and commissioning works for ;

MV System
LV System
DCS System
Heat Tracing System
Instrumentation System

Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System

Obninsk / Russia

berksan

NLMK Electrometallurgical Plant

1.500.000 Tonnes/Year

Gama Endüstri Tesisleri A.Ş. -(Turkey)



Kaluga Elektrometalugical Plant LLC "NLMK-Kaluga" is located 80km south east of Moscow in Vorsino village.

The plant is included into the list of strategic investment projects of Russian metallurgical industry with its 1.5 million tones per year wide range production capacity of construction steel including reinforcing bars and section steel.

Production line consist of an electric arc steel meltshop and rolling shop facilities. Production range is included rebar, angle and channel steel.

Steel melting equipment by VAI SIEMENS, rolling shop equipment by SMS Meer.

Electrical Scope of Works

MV System
LV System
DCS System
Heat Tracing System
Instrumentation System

Lighting System
Earthing System
Fire Alarm System
CCTV and Security System
Telephone and Data System













Installation Works
Testing
Pre-commissioning
Commissioning Support
Act & Handover Documentation

Peugeot-Citroen-Mitsubishi Factory (PCMA Rus)

125.000 Cars/Year

Renaissance Construction (Russia)



Peugeot-Citroen-Mitsubishi Factory is, located in near Kaluga, 180km southwest of Moscow, one of the biggest joint venture investment (PCMA Rus) of French and Japanese auto groups.

The plant is assigned to manufacture 5 models of Citroen, Peugeot and Mitsubishi.

PCMA Rus has 125.000 automobile manufacturing capacity annually in its 145 hectares total area.

berksan

Electrical Scope of Works

Design & Engineering, All Material Supply, Installation, Testing, Pre-commissioning and Commissioning works for ;

MV System LV System Fire alarm system Public Announcement System IT System Security System
Lighting Systems
Lightning Protection System
Earthing System
BMS System













Mechanical Scope of Works

Design and Engineering works for;

Heating Center
Heating System
Cooling System
Air Conditioning System
Compressed Air System
Fire Protection System

Fluid Filling system
Clean and Wash Water System
Waste Water Treatment
Rain Water System
Sanitary System
Plumbing System

berksan

Rehau PVC Factory

Renaissance Construction -(Russia)







It includes a PVC factory, production areas, warehouses, and administrative buildings.

The total area of the plant was 53.632m2.

Electrical Scope of Works

MV System
LV System
Lighting System
Earthing and Lightning Protection System
Low Current Systems
Building Automation System
Process Control System for Mixing Plant
Process Control System for Production Lines













Design Engineering All Material Supply Installation Works Testing Pre-commissioning Commissioning Bursa / Turkey

Renault-Bursa Car Factory Process Cooling System

Oyak Renault A.Ş. -(Turkey)



Bursa Oyak-Renault manufacturing plant is, the biggest plant of Renault Automative Group outside the western Europe, located in Bursa 200km far from Istanbul.

It has 258.000m2 closed manufacturing area in its 510.000m2 territory. This facility has 360.000 automobile and 450.000 engine manufacturing capacity annually.

Oyak Renault Plant has a special importance and assembly lines in automotive vehicle industry.

Process cooling system is a very important part of the factory that provides chilled and demin water to all assambly "Robots" for body shop, welding shop and stamping shop.

berksan

Design and Engineering for Chilled Water

and Demin Water Plant

Civil Engineering and Design

Architectural Design

Mechanical Process System Engineering and

Design

Piping System Engineering and Design

MV and LV System Engineering and Design

Process Control System and Scada System

Engineering













Construction Works
Civil Works
Structural Steel Works
Electrical Installation Works
Mechanical Installation Works
Testing
Start-up and Commissioning

PCMA Car Factory Paint Shop

125.000 Car/Year

TAIKI-SHA Ltd. -(Japan)



Peugeot-Citroen-Mitsibushi Factory is, located in near Kaluga, 180km southwest of Moscow, one of the biggest joint venture investment (PCMA Rus) of French and Japan auto groups.

The plant is set to 5 models of Citroen, Peugeot and Mitsibushi.

PCMA Rus has 125.000 auto manufacturing capacity annually in its 145 hectar total area.

The paint shop building for LLC "PCMA Rus" automotive assembly plant is awarded to Japan company Taikisha including design and engineering, fabrication, procurement, installation and start-up.

berksan

Scope of Works

Fabrication and Installation Works of:

Primer Booth Base Booth Clear Booth Sludge Pool Mezzanine Platforms Dry Tanks Transfer Tanks Sludge Tanks Scrubber Tanks PT, ED Tanks













Shop Drawings
Fabrication Drawings
Fabrication
Installation
Testing
Pre-commissioning

Volvo Construction Equipment Plant

Renaissance Construction -(Russia)





Volvo Construction Equipment Plant is in Kaluga 80km southwest of Moscow. Volvo company has several significant investments in Kaluga industrial zone.

The plant was built with the extensive use of new technologies to reduce CO2 emissions.

The plant, in 25.500m2 closed and 15 hectare total area, manufactures Volvo's heavy duty excavators 20 up to 50 tons weigh classes.

berksan

Electrical Scope of Works

Design & Engineering, All Material Supply, Installation, Testing, Pre-commissioing and Commissioning works for;

MV System LV System Fire alarm system Public Announcement System IT System

Security System Lighting Systems Lighting Protection System Earthing System













Installation Works Testing Pre-Commissioning Commissioning

Volvo Truck Assembly Plant

15.000 Trucks/Year

Renaissance Construction -(Russia)



The total area of Volvo Plant is 55 hectares in Kaluga near Moscow.

Volvo manufactures two different models of trucks, Volvo FH and FM in this plant.

Total plant capacity is 15.000 trucks per year.

berksan

Electrical Scope of Works

Design & Engineering, All Material Supply, Installation, Testing, Pre-commissioning and Commissioning works for ;

MV System LV System Fire alarm system Public Announcement System IT System Security System Lighting Systems Lightning Protection System Earthing System













Mechanical Scope of Works

Design and Engineering works for ;

Heating Center Heating System Cooling System Air Conditioning System Compressed Air System Fire Protection System Fluid Filling System
Clean and Wash Water System
Waste Water Treatment
Rain Water System
Sanitary System
Plumbing System

OUR MARKETS/ BUILDING PROJECTS

Airport



Business Center



Hospital



Hotel



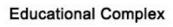
Shopping Mall



Residential



Sport &

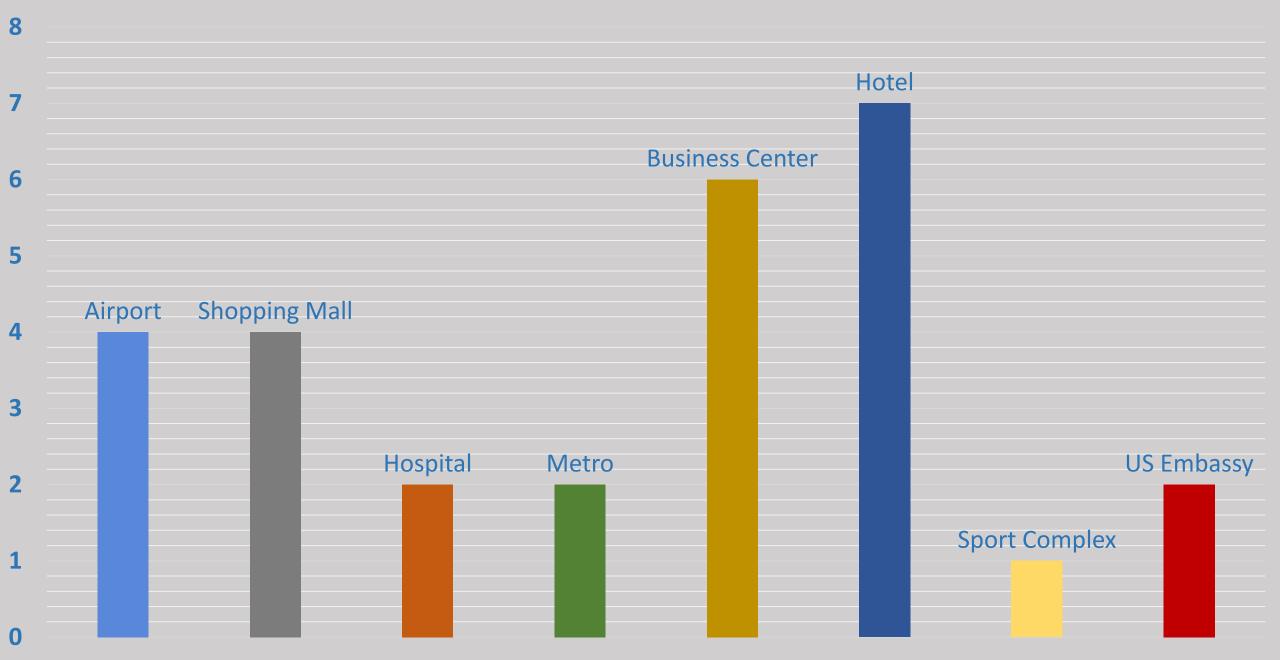




Metro



Highlight of Major Projects/Buildings



Madinah / Saudi Arabia

Prince Mohammed Bin AbdulAziz Madinah International Airport

210,000 m²

TAV Holding-(Turkey)





The project was inaugurated on 2nd July, 2015 by The Custodian of the Two Holy Mosques King Salman bin Abdulaziz al Saud, in the presence of other major dignitaries from the Kingdom. The \$1.2 billion expansion plan consists of a three-level terminal covering over 200.000 square metres with 27 aircraft stands and boarding bridges.

For Hajj and Umrah pilgrims, who are looking to sanctify their travel with a visit to Madinah, the airport expansion plan comes as a boon. Moreover, Prince Mohammad Bin Abdulaziz International Airport (Madinah Airport) is also likely to be the harbinger of heightened economic activity and the precursor to other privatisation initiatives.

While Phase I of the airport can handle 8 million passengers, the second and third phases will be able to handle passenger traffic of 14 million and 27 million, respectively. PMIA is the only Leed Gold Certified Airport in Gulf Region.

berksan

Electrical Scope of Works

Main Power Distribution
Lighting System
Small power System
UPS System
Grounding and Lightning Protection System
Fire alarm System
Access Control System
Water Leak Detection System
Master Clock System

Structured Network Cabling System
Public Address System
Closed Circuit TV System (CCTV)
Master Antenna TV System (MATV)
Disabled Alarm System
Audio Visual System
Air Field Lighting System
Apron Lighting
Visual Docking and Guidance System













Design Engineering Installation Works All Material Supply Testing Start-up & Commissioning Training & Handover Makkah / Saudi Arabia

Jabal Omar Development Project Hyatt Regency Hotel

Nesma & Partners Contracting LLC





Makkah Hyatt Regency Hotel is located at the heart of the holy city of Makkah as a part of Jabal Omar Development complex. The hotel is just a one-minute walk to Al-Masjid Al-Haram.

22 storey 2 blocks hotel has 656 rooms and 26 suites, 4 restaurants, and car parking for 175 cars with its 235.000m2 total closed area.

berksan

Electrical Scope of Works

Design and Engineering, Material Supply, Installation, Testing and Commissioning for;

Main Power Distribution
Lighting System
Small Power System
UPS System
Grounding and Lightning Protection System
Fire alarm System
Access Control System

Water Leak Detection System Structured Network Cabling System Public Address System Closed Circuit TV System (CCTV) Interactive TV System Disabled System Audio Visual System













Mechanical Scope of Works

Design and Engineering, Material Supply, Installation, Testing and Commissioning for;

HVAC System
Sanitary System
Chilled Water System
Domestic Water System
Fire Protection System
Plumbing System
Building Management System

Dushanbe / Tajikistan

Hyatt Regency Hotel

221 Rooms, 38.000 m²

Enka A.Ş. -(Turkey)



The hotel is located in the Komsomolsky Park on Ismaili Somani Avenue in Tajikistan's capital city of Dushanbe, providing a unique view of man-made Komsomolsky Lake.

Total closed area 38,000 m²

12 Storey, 5 star hotel has 221 very luxury rooms. In addition, Hyatt Regency Dushanbe is the first 5 star hotel in Dushanbe, fulfilling latest requriments of business and leisure alike.

berksan

Electrical Scope of Works

Power Systems, MV/LV Switchgears Transformer Center Fire Alarm System Public Announcement System CCTV System IT System Access Control System Security System Lighting System
Lighting Automation System
Room Management System
Building Automation System
Interactive TV System
Lightning Protection System
Earthing System













Kuntsevo Plaza Multifuctional Complex

245,000 m²

Enka A.Ş. -(Turkey)



Kuntsevo Plaza is located at Yartsevskaya Street in Moscow.

Gross Building Area of the complex amounts to 245,000 m².

The multifunctional complex comprises 3 office blocks, shopping and entertainment areas. There are also a fitness center included a swimming pool, hypermarket, food court, cinema, many restaurants, bars and in addition 5 level closed car park area.

Approximately 200 stores are placed at the shopping center.

berksan

Electrical Scope of Works

Power Systems
Fire Alarm System
Public Announcement System
CCTV System
IT System
Access Control System
Security System

Lighting System
Lighting Automation System
Building Automation System
Interactive TV System
Lightning Protection System
Earthing System













St Petersburg / Russia

Corinthia Nevskij Palace Hotel

282 Rooms, 36.000 m²

Enka A.Ş. -(Turkey)



The hotel is located on Nevskij Prospekt, the oldest and historical street of St Petersburg.

9 storey, 5 star hotel with its 36.000m2 closed area has 282 very luxury rooms and suites.

The hotel hosts three bars, three restaurants, meeting and conference rooms, a banqueting facility, a health club with spa and a dedicated business lounge for its executive guests.

berksan

Electrical Scope of Works

Power Systems, MV/LV Switchgears Transformer Center Fire Alarm System Public Announcement System CCTV System IT System Access Control System Security System Lighting System
Lighting Automation System
Room Management System
Building Automation System
Interactive TV System
Lightning Protection System
Earthing System













Metropolis Multifunctional Complex

350.000 m²

Enka A.Ş. -(Turkey)



Metropolis is one of the biggest multifunctional complex as offices and retails located on the Leningradskoye Prospect at the center of Moscow with its 350.000 m² closed area.

There are three office buildings, one shopping center and one multi-floor closed car park in the complex.

Shopping mall includes hyper market, entertainment area, food court, cinema and shops.

berksan

Electrical Scope of Works

Power Systems, MV/LV Switchgears Transformer Center Fire Alarm System Public Announcement System CCTV System IT System Access Control System Security System
Lighting System
Lighting Automation System
Room Management System
Building Automation System
Lightning Protection System
Earthing System













Legend of Tsvetnoy Multifuctional Complex

120,000 m²

Enka A.Ş. -(Turkey)



The Office and Residence Plaza, "Legend of Tsvetnoy", is located on Tsvetnoy Boulevard, in a very historical square "Trubnaya" at the city center of Moscow.

The 16 floor complex with 120.000m2 total closed area consists of a three floors underground car park, a seven floors business center and three distinct eight and seven floors residential towers rising above the business center.

Also many retail areas, restaurants and bars are placed at the ground level.

berksan

Electrical Scope of Works

Power Systems
Fire Alarm System
Public Announcement System
CCTV System
IT System
Access Control System
Security System

Lighting System
Lighting Automation System
Building Automation System
Interactive TV System
Lightning Protection System
Earthing System







Swissotel & Riverside Tower

234 Rooms, 37.500 m²

Enka A.Ş. -(Turkey)



Swissotel & Riverside Tower is constructed in Paveletskaya, Moscow, only 2km far from Red Square. The Hotel has 400 bed capacity in 234 very luxury and technological rooms.

The 36 floors high-rise takes fully advantage of its height to afford its spacious rooms and suites a clear view of Moscow with wall to wall, floor to ceiling windows. The roof bar, called city space, offers a breathtaking 360 degree panorama. In addition to this, the hotel has three other bars, two restaurants, meeting and conference rooms, a full floor banqueting facility, a health club with SPA, swimming pool and a dedicated business lounge for its executive guests.

berksan

Electrical Scope of Works

Power Systems, MV/LV Switchgears Transformer Center Fire Alarm System Public Announcement System CCTV System IT System Access Control System Security System Lighting System
Lighting Automation System
Room Management System
Building Automation System
Interactive TV System
Lightning Protection System
Earthing System













Istanbul / Turkey

Sabiha Gökcen International Airport

Limak A.Ş. -(Turkey)



The new terminal has 25 Million annual passenger capacity conduct domestic and international flights just in one building

The features and services of the new terminal of the Istanbul Sabiha Gokcen International Airport and outlying buildings are includes a four storey car park with a capacity of about 4718 vehicles, a four storey hotel with 128 rooms, 112 check-in and 24 online check-in counters, a VIP building and apron viewing CIP halls, 5000m² food court for cafes and restaurants, a duty free shopping area with a ground of 4500m²

Cargo terminal of the airport has 90.000 tons capacity per year.

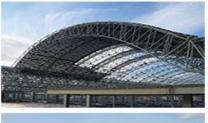
Multy aircraft ramp system (MARS), allowing simultaneous service to 8 aircrafts with large or 16 middle sized aircraft.

berksan

Electrical Scope of Works

Main Power Distribution
Lighting System
Small Power System
UPS System
Grounding and Lightning Protection System
Fire alarm System
Access Control System
Water Leak Detection System
Master Clock System

Structured Cable Network System
Public Address System
Closed Circuit TV System (CCTV)
Master Antenna TV System (MATV)
Disabled Alarm System
Audio Visual System













Design Engineering Installation Works All Material Supply Testing Start-up & Commissioning Training & Handover

PMC Maternity Hospital

250 Beds, 42.000 m²

Enka A.Ş. -(Turkey)



Maternity hospital is located in Sivastopalsky region of Moscow.

10 Storey hospital has capacity to serve 250 occupants. The hospital has developed medical equipment, patient automation and monitoring systems.

Maternity hospital is the first of the large and private multi-service hospital in Russia with up-to-date modern medical technology. The medical center has 1-room wards as well as double room and triple room luxury wards and includes 8 delivery and 7 operation rooms, gynecology and women's and children polyclinics.

berksan

Electrical Scope of Works

Power Systems, MV/LV Switchgears Transformer Center Fire Alarm System Public Announcement System CCTV System IT System Access Control System Security System
Lighting System
Lighting Automation System
Nurse Call System
Building Automation System
Lightning Protection System
Earthing System













Moscow City Nabereznaya Towers

62 Floors, 220.000 m²

Enka A.Ş. -(Turkey)



Nabereznaya Towers are Class A office buildings in Moscow City.

There are three towers of 17, 27 and 62 floors of 266m high.

There is a a panoramic view across the Moscow River of the buildings.

There are also restaurants, cafes, shops and car parks in the complex.

berksan

Electrical Scope of Works

Power Systems, MV/LV Switchgears Transformer Center Fire Alarm System Public Announcement System CCTV System IT System Access Control System Security System Lighting System Lighting Automation System Building Automation System Lightning Protection System Earthing System













MKH-5 Business Center

20.000 m²

Enka A.Ş. -(Turkey)



MKH-5 business center is at the center of Moscow, 2km far from Red Square, near Moscow River.

11 floors business center has office and retail areas, meeting rooms, a huge ballroom.

Office levels offer very wide angle Moscow city center panorama with a very beautiful Moscow River view.

berksan

Electrical Scope of Works

Power Systems, MV/LV Switchgears Transformer Center Fire Alarm System Public Announcement System CCTV System IT System Access Control System Security System Lighting System Lighting Automation System Building Automation System Lightning Protection System Earthing System















Istanbul / Turkey

Optimum Shopping Mall

145.000 m²

Renaissance Construction. -(Turkey)



Optimum outlet shopping and entertainment center is located at the Anatolian side of Istanbul.

The mall is aimed to serve 15 million visitors annualy.

Besides Turkish brands which are famous leading and worldwide in their sectors, there is also entertainment center, ice rink and a food cort which has a panaromic view are located in the complex.

berksan

Electrical Scope of Works

Power Systems, MV/LV Switchgears Transformer Center Fire Alarm System Public Announcement System CCTV System IT System Access Control System Security System
Lighting System
Lighting Automation System
Building Automation System
Interactive TV System
Lightning Protection System
Earthing System













Design Engineering Installation Works All Material Supply Testing Start-up & Commissioning Training & handover