ENVIRONMENTAL PROJECTS

BURSA MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

- Design and Construction of the Medical Waste Sterilization Plant includes collection of medical waste in city of Bursa. Plant is operated for 10 years after the construction.
- Bursa Medical Waste Sterilization Plant built in partnership with ERA Env.Technologies Co. and Sengil Engineering Co. Founder.
- Capability of the plant is 22.400 kg per day.
- Construction started in 2007, ends in mid 2008.
- Amount of investment US$ 1.982.352
- Annual Return US$ 2.383.768

Scope of Contract
Construction of the plant is 1.200 m2 over 3.100 m2 total area, B.O.T basis for 10 years. Collection of medical wastes from city hospitals to the plant, sterilization, transportation and landfill to the main municipality waste area.

Client
Bursa Metropolitan Municipality

Date of Commencement
December, 2007

Date of Completion
July, 2008

SAKARYA MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

• Design and Construction of the Medical Waste Sterilization Plant includes collection of medical waste in city of Sakarya. Plant is operated for 10 years after the construction.

•Sakarya Medical Waste Sterilization Plant built in partnership with ERA Env.Technologies Co. and Sengil Engineering Co. Founder.
• Capability of the plant is 18.000 kg per day.

• Construction started in 2008, ends in mid 2009.

• Amount of investment US$ 1.452.863

• Annual Return US$ 1.751.027

Scope of Contract
Construction of the plant is 1.100 m2 over 2.000 m2 total area, B.O.T basis for 10 years. Collection of medical wastes from city hospitals to the plant, sterilization, transportation and landfill to the main municipality waste area.

Client
Sakarya Metropolitan Municipality

Date of Commencement
2008

Date of Completion
2009

GAZİANTEP MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

• Design and construction of Medical Waste Sterilization Plant for Gaziantep.

• Gaziantep Medical Waste Sterilization plant built in partnership with ERA Env.Technologies Co. and Sengil Engineering Co. Founder.

• Capability of the plant is 22.400 kg per day.

• Construction started in 2008, ends in mid 2008.

• Amount of investment US$ 816.391

Scope of Contract
Construction of the plant is 800 m2 over 2.100 m2 total area. Engineering, procurement, installation and commissioning and hand over to the Client during commercial operation.

Client
Gaziantep Metropolitan Municipality

Date of Commencement
2008

Date of Completion
2008

ELAZIĞ MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

• Rehabilitation of existing Medical Waste Sterilization Plant of Elazığ Municipality and operation for 3 years.

• Elazığ Medical Waste Sterilization plant built in partnership with ERA Environmental Technologies Co. and Sengil Engineering Co. Founder.

• Capability of the plant is 5.500 kg per day.

• Construction started in 2012 and ended in the late of 2012.

• Amount of investment US$ 123.491

• Annual Return US$ 1.094.672

Scope of Contract
Engineering, procurement, installation and commissioning and hand over to the Client during commercial operation.

Client
Elazığ Municipality

Date of Commencement
2012

Date of Completion
2012

SINOP-ERFELEK DAM WATER TREATMENT PLANT

Turkey

Project Description

General

- Design and construction of Sinop-Erfelek Water Treatment Plant to supply the future potable and industrial water demand of Sinop City Center, Erfelek County Seat and 33 villages which are located in Treatment Plant Group Potable Waters Union.
- Nominal capacity of the treatment plant is indicated as 54.000 m^3 per day on the basis of demands of year 2050.
- Construction started in 2011 and ended in 2013.
- Amount of investment US$ 7.000.000

Scope of Contract

Processing of raw water which is taken from Erfelek Dam at the treatment plant to provide drinking water standards.

Client

Ministry of Environment and Forestry, General Directorate of State Hydraulic Works

Date of Commencement

2011

Date of Completion

2013

SİVAS MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

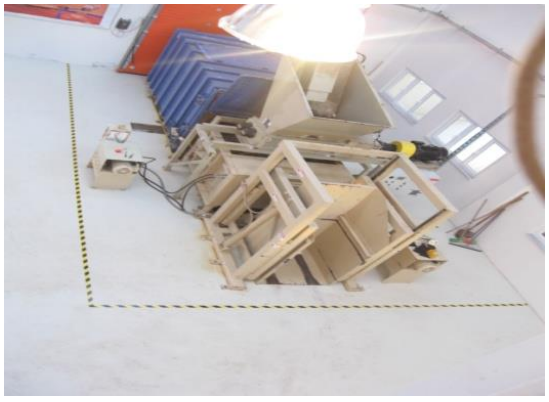
- Design and construction of Sivas Medical Waste Sterilization Plant. Plant is operated for 10 years after the construction.
- Construction of Sivas Medical Waste Sterilization plant built in partnership with ERA Env.Technologies Co. and Sengil Engineering Co. Founder.
- Capacity of the plant is 11.000 kg per day.
- Construction started in 2012 and ended in mid 2013.
- Amount of investment US$ 1.329.573
- Annual Return US$ 1.198.053

Scope of Contract
Construction of the plant 800 m2 in 2.500 m2 total area, B.O.T basis for 10 years. Collecting of medical wastes from the city hospitals to the plant, sterilization, transferring and landfill at main municipality waste area.

Client
Sivas Municipality

Date of Commencement
2012

Date of Completion
2013



KASTAMONU MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

• Design and Construction of the Medical Waste Sterilization Plant includes collection of medical waste in city of Kastamonu. Plant is operated for 10 years after the construction.

• Construction of Kastamonu Medical Waste Sterilization plant built in partnership with ERA Env.Technologies Co. and Sengil Engineering Co. Founder.

• Capacity of the plant is 7.500 kg per day.

• Construction started in 2012 and ended in mid 2013.

• Amount of investment US$ 1.198.309

• Annual Return US$ 1.101.239

Scope of Contract
Construction of the plant is 1.200 m2 over 3.100 m2 total area, B.O.T basis for 10 years. Collection of medical wastes from city hospitals to the plant, sterilization, transportation and landfill to the main municipality waste area.

Client
Kastamonu Governorship, Provincial Special Administration

Date of Commencement
2012

Date of Completion
2013

KÜTAHYA MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

• Design and Construction of the Medical Waste Sterilization Plant includes collection of medical waste in city of Kütahya. Plant is operated for 10 years after the construction.

• Construction of Kütahya Medical Waste Sterilization plant built in partnership with ERA Env.Technologies Co. and Sengil Engineering Co. Founder.

• Capacity of the plant is 5.000 kg per day.

• Construction started in 2013 and ended in mid 2013

• Amount of investment US$ 942.760

• Annual Return US$ 997.109

Scope of Contract
Construction of the plant is 400 m2 over 1.300 m2 total area, B.O.T basis for 10 years. Collection of medical wastes from city hospitals to the plant, sterilization, transportation and landfill to the main municipality waste area.

Client
Kütahya Municipality

Date of Commencement
2013

Date of Completion
2013

İSTANBUL MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

• Engineering, procurement and construction of Medical Waste Sterilization Plant of Istanbul. Including 8000 ton commercial operation and hand over.

• Construction of İstanbul Medical Waste Sterilization plant built in partnership with ERA Env. Technologies Co. and Sengil Engineering Co. Founder.

• Capacity of the plant is 110.000 kg per day.

• Construction started in 2013 and ended in mid 2014

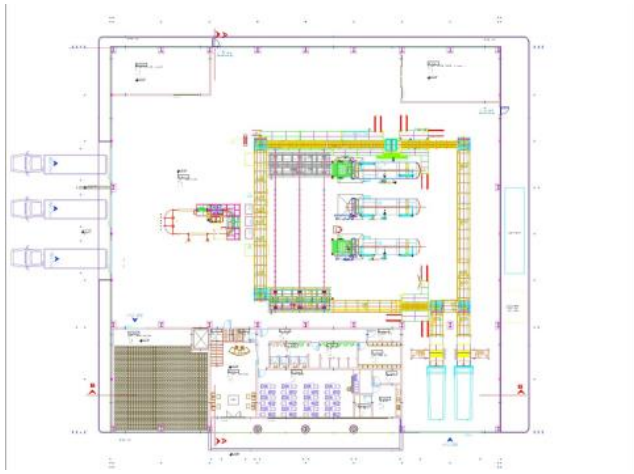
• Amount of contract US$ 26.782.132

Scope of Contract
Construction of the plant is 2.000 m2 over 4.000 m2 total area. Collection of medical wastes from city hospitals to the plant, sterilization, transportation and landfill to the main municipality waste area.

Client
İstanbul Metropolitan Municipality

Date of Commencement
2013

Date of Completion
2014



SİİRT MEDICAL WASTE STERILIZATION PLANT

Turkey

Project Description

General

• Design and procurement of Medical Waste Sterilization Plant of Siirt.

• Construction of Siirt Medical Waste Sterilization plant built by Sengil Engineering Co.

• Capability of the plant is 5.000 kg per day.

• Construction started in 2014, ends in mid 2014.

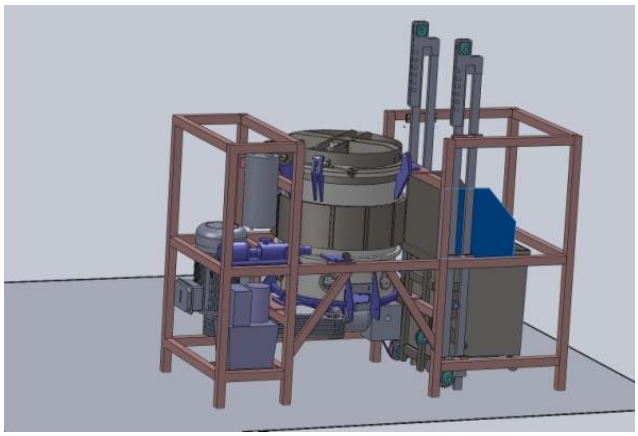
• Amount of contract US$ 903.817.

Scope of Contract
Design and procurement for the construction of the plant 1.200 m2 in 3.100 m2 total area.

Client
DİCLELİFE TİC.A.Ş.

Date of Commencement
2014

Date of Completion
Ongoing



INDUSTRIAL PROJECTS

SUPSA ON-SHORE OIL TERMINAL
Supsa, GEORGIA

Owner : Georgian Pipeline Company
Consultant : Kvaerner John Brown
Main Contractor : TML – Borova Joint Venture
Date of Completion : May 1998
Description of work : Underground and Aboveground Piping Installation Works consisting of;

- 1800 meters of Storm Water, Oily Water and Foul Water Piping (DN 100 to DN 700).
- 3000 meters of Fire Fighting Pipework (DN 150 to DN 300) both underground and aboveground including Hydrants and Monitors.
- 200 tons of Piperack and Pipe Supports.

EEE GAS TURBINE POWER PLANT 1x40 MW
Eskişehir OSB ,TURKEY

Owner : Eskişehir Industrial Power Generation Autoproductor Group Co.
Supplier of Main Equipment : European Gas Turbines– SA GEC ALSTHOM
Date of Completion : April 1998
Description of work : Complete Mechanical, Electrical and Instrumentation Installation Works of a Frame 6 type Gas Turbine Power Plant (The first stage of the Combined Cycle Power Plant) including;

- 328 tons Mechanical and Electrical Equipment.
- 10 tons Piping.
- 3 tons Power & Control Cables.
- Complete NDT Services.

TENGIZCHEVROIL KTL 2.3 EXPANSION PROJECT (KAZAKHSTAN)
PIPE SPOOLS FABRICATION
Istanbul , TURKEY

Owner : Tengizchevroil
Main Contractor : BETCHEL ENKA J.V
Date of Completion : November 1998
Description of work : Fabrication of Pipe Spools for the Interconnecting Piping System of 4 no.'s of FM type Utility Boilers and Pipe Connections to Water Deminerilazition Plant including;

- 80 tons Pipe Spools (Pipe diameters.range from 2" to 14").
- Complete NDT Services.
- Painting of Pipe Spools.

NUH ÇİMENTO COMBINED CYCLE POWER PLANT
Hereke, TURKEY

Owner : Nuh Çimento A.Ş.
Main Contractor : NEM – Netherlands
HRSG Subcontractor : Babcock & Wilcox GAMA (BWG)
Date of Completion : October 1999
Description of work : Complete Mechanical, Electrical and Instrumentation Works of one HRSG for LM 2500+ type Gas Turbine and all External Piping Work including;

- HRSG contains about 285 tons of Pressure Part and 253 tons of Non Pressure Part.
- External Piping total weight (alloy, SS and CS) is about 27 tons.
- Pipe Rack and Pipe Support weight is about 25 tons.
- Heaviest Single Piece in this project was the Heating Module (140 tons) which was handled by one 440 t. and one 330 t. Hydraulic Mobile Cranes together.
- Complete Electrical and Instrumentation Installations.

ÇAYELİ COPPER WORKS INC. PASTEFILL PLANT
Rize , TURKEY

Owner : Çayeli Copper Works Inc.
Main Contractor : EPRO Power and Industrial Plants Inc.
Date of Completion : March 1999
Description of work : Civil Construction and Mechanical,Electrical and Instrumentation Erection Works of Pastefill Plant including;

- *Complete Civil Works.*
- *Supply, Fabrication and Erection of a Three Storied Steel Building.*
- *Supply, Fabrication and Erection of an Elevated Steel Thickener Tank and an Agitated Storage tank.*
- *Mechanical Erection of all Plant Equipment.*
- *Supply and Erection of Victaulic Grooved Piping and Utility Piping Systems.*
- *Supply of Power & Control and Instrument Cables, complete Plant Instruments,Lighting Fixtures.*
- *Complete Electrical and Instrumentation Erection Works.*
- *Modification Works to existing Thickeners and Tailings Disposal System.*

TRAKYA ELEKTRİK A.Ş
478 MW COMBINED CYCLE POWER PLANT
Marmara Ereğlisi, TEKİRDAĞ

Owner : Trakya Elektrik A.Ş.
Main Contractor : NOOTER ERIKSEN – U.S.A.
Date of Completion : June 1999
Description of work 1:
- Repair and replacement of internals on two silencers
- Supply of material, fabrication and erection of new Bundle bypass plates inside both Heat Recovery Steam Generators

Main Contractor : ENRON Engineering and Construction Co. – U.S.A
Date of Completion : September 1999
Description of work 2: Various repair and new complementary works inside Steam and Gas Turbines Building, Heat Recovery Steam Generators and BOP. The works include material supply and fabrication.

Main Contractor : EPRO Power & Industrial Plants Inc.
Date of Completion : January 2000
Description of work 3:
- Underground and Aboveground fire water piping installation.
- Stainless steel piping
- H.D.P.E underground piping
- NDT Services
- Excavation, back filling and concrete works.

TÜPRAŞ CCR & ISOMERIZATION PLANT PROJECT
Aliağa, İZMİR

Owner : TÜPRAŞ,Turkish Petroleum Refineries Corp. İzmir Refinery
Consultant : Foster Wheeler Italiana
Main Contractor : GAMA Industrial Plants Manufacturing and Erection Corp.
Date of Completion : September 2000
Description of work : CCR & Isomerization Plant project, Spool Fabrication and Erection works of Underground and Aboveground Pipe Lines including;

- *645 tons On site Aboveground Piping Erection*
- *285 tons Off site Aboveground Piping Erection*
- *215 tons On site Underground Piping fabrication and Erection*
- *100 tons Pipe Support Fabrication and Erection*

ÇAYELİ COPPER WORKS INC. MILL PLANT MODIFICATION WORKS
Rize, TURKEY

Owner : Çayeli Copper Works Inc.
Consultant : Foster Wheeler Bimaş
Date of Completion : August 2000
Description of work : Civil Construction and Mechanical, Electrical and Instrumentation Erection Works of Mill Plant modifications including;

- *Civil Construction works of a New Lime Storage Building and a Compressor Building.*
- *Civil Modification Works at the Mill Plant.*
- *Supply, fabrication and erection of Steel Structures.*
- *Installation of a New Filter Press at the Mill Plant.*
- *Supply and Installation of pipes, fittings valves, vessels etc. at the Mill Plant.*
- *Supply and Installation of Electrical and Instrumentation equipment and materials.*

SEVERNAYA 400 MW COMBINED CYCLE POWER PLANT
"REROUTING WORKS OF MECHANICAL & ELECTRICAL PORTION"
Shuvelan, REPUBLIC OF AZERBAIJAN

Owner : Joint Stock Company AZERENERJİ
Consultant : Burns and Roe Enterprises, Inc.
Main Contractor : Mitsubishi Heavy Industries ,Ltd.
Civil and M/E/I Erection : TML – BOROVA
Date of Completion : November 2000
Description of work : Rerouting of existing Power Plant active facilities such as pipe lines (Fuel Gas, Fuel Oil, H2&CO2 Gas, Steam, Raw/Condensate/Make-up Water, Chemical & Hydrazine pipelines) and U/G cables which are run through, new Power Plant area including;

- *163 tons Piping Fabrication and Erection.*
- *22 tons Pipe Support Fabrication and Erection.*
- *1,700 m U/G Power Cables Installation.*
- *7,700 m² Painting including supply of Paint Material.*
- *1,425 m² Insulation of pipelines.*

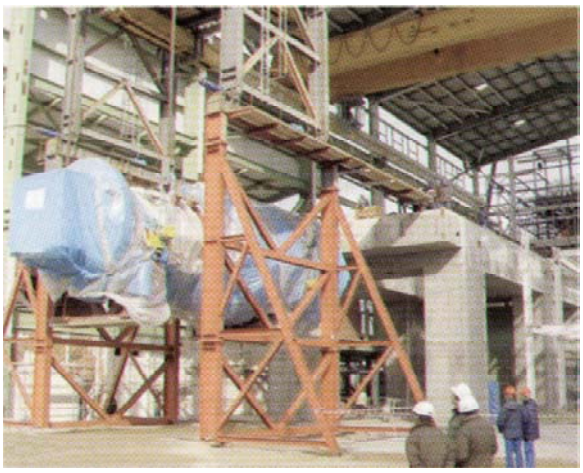
EEE COMBINED CYCLE POWER PLANT
Eskişehir OSB ,TURKEY

Owner : Eskişehir Industrial Power Generation Autoproductor Group Co.
Supplier of Main Equipment : BABCOCK & WILCOX ESPANOLA S.A
Date of Completion : April 2001
Description of work : Complete Mechanical and Instrumentation Erection Works of a Heat Recovery Steam generator and associated equipment.

- *523 tons Mechanical Equipment.*
- *17 tons Piping including supports and valves.*
- *Complete Instrument Installation works including supply of cables, cable trays,Conduits and junction boxes.*
- *Complete Inspection and Test. (i.e. NDT, PWHT, HT, Blow-out)*

SEVERNAYA 400 MW COMBINED CYCLE POWER PLANT
Shuvelan, REPUBLIC OF AZERBAIJAN

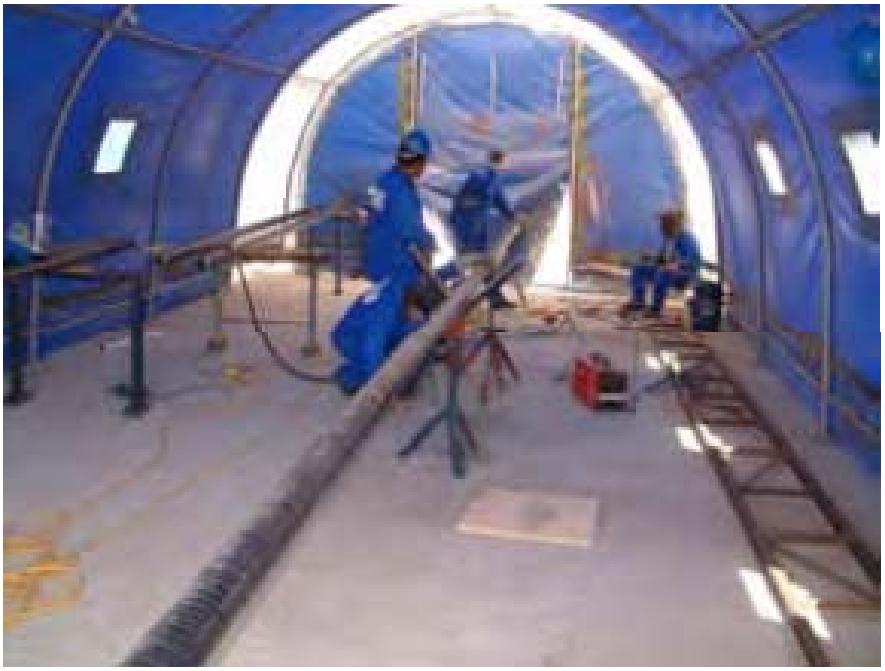
Owner : Joint Stock Company AZERENERJİ
Consultant : Burns and Roe Enterprises, Inc.
Main Contractor : Mitsubishi Heavy Industries ,Ltd.
Civil and M/E/I Erection : TML – BOROVA
Date of Completion : 15 November 2002
Description of work : Complete Mechanical / Electrical / Control & Instrumentation Erection Works of 400 MW Single-Shaft Combined Cycle Power Plant including Structural Steel works of GT Building / Pumphouse and Underground CW Pipeline.



AIOC Full Field Development Phase 1 Upgrade of SPS Fabrication Yard Project
REPUBLIC OF AZERBAIJAN

Owner : Azerbaijan International Operating Company
Main Contractor : McDermott Caspian Contractors Inc.
Heavy Civil and Misc. Civil Works : TML – BOROVA
Date of Completion : August 2002
Description of work : Complete Mechanical Works within the scope of Miscellaneous Civil Works Contract including:

- Design, supply, installation and commissioning of utility piping (water, fire water, compressed air, propane, oxygen and underground sewer) systems
- Installation and commissioning of water and fire water pumps
- Chemical cleaning of gas piping systems in various parts of the SPS Fabrication Yard
- Fabrication of embedded steel items for pile caps



ACG Full Field Development Phase 1 Fabrication and Erection of Dummy Drill Floor REPUBLIC OF AZERBAIJAN

Owner : Azerbaijan International Operating Company
Main Contractor : McDermott Caspian Contractors Inc.
Civil and Mech. Erection : TML – BOROVA
Date of Completion : April 2003
Description of work : Fabrication and Erection of Dummy Drill Floor Steel Structure including;

- Detail Design
- Supply and Fabrication of I1800x990x60x35 Built-Up Beams
- Supply and Fabrication of Dummy Drill Floor Beams and Deck Plates
- Erection of above

KARADAGH GAS COMPRESSOR STATION PROJECT
Karadagh, REPUBLIC OF AZERBAIJAN

Owner : Joint Stock Company AZERGAZ
Main Contractor : Toyo Engineering Corp.
Civil and M/E/I Erection : TML – BOROVA
Date of Completion : August 2003
Description of work : Complete Mechanical / Electrical / Control & Instrumentation Erection Works of Gas Compressor Station also including;

- Supply of all structural steelwork for compressor building and piperacks
- Design, supply and fabrication of fire works storage tank
- Supply and fabrication of vent stack

BP EXPLORATION (SHAN DENIZ) LTD. / MCCI
MECHANICAL WORKS FOR INTEGRATED LOGISTICS PROJECT (ILP)
Phase 1A TANK FARM
Baku, AZERBAIJAN

Owner : Azerbaijan International Operating Company
Main Contractor : BP, McDERMOTT Caspian Contractors Inc.
SubContractor : TML (Civil works)
Date of Completion : October 2004
Description of work : Complete Mechanical Works within the scope of; external mechanical works, external fire and safety works.

- Design,supply, fabrication, installation and commissioning of piping (loading pipes to quayside and rundown lines, main water supply lines, connection with diverting existing main, process unit piping, fire fighting pipes.
- Installation and commissioning of water and fire pumps, process unit, treatment plant
- Design,supply, fabrication and installation of support systems
- NDT works.

SUMGAIT 500 MW COMBINED CYCLE POWER PLANT
MANUFACTURING & ERECTION OF 2 HRSG – REPUBLIC of AZERBAIJAN

Owner : AZERENERJI JSC.
Main Contractor : SIEMENS AG. Power Generation
Subcontractor : CMI Energy HRS
Date of Contract : August 2005
Date of Completion : May 2007
Description of work : Engineering, Supply, Manufacturing, Erection and Commissioning of 2 Heat Recovery Steam Generators

CIVIL PROJECTS

BAKU SHIPYARD MAIN OFFICE, MAIN WORKSHOP, CANTEEN & CHANGING ROOMS, OWNER OFFICE & TRAINING WORKSHOP BUILDINGS CONSTRUCTION

Azerbaiian

Project Description

General

- Construction of a new Shipyard 25 km south of Baku adjacent to Baku Deep Water Jacket Factory (BDWJF) in partnership with Keppel (Singapore) and Azerbaijan Investment Company (AIC)
- Capability to build up to 1500 DWT tankers after Phase 1 and up to 70000 DWT tankers after Phase 2
- Maintenance & Repair - up to 80 different types of vessels per year
- Construction started in 2010, ends in mid 2013
- Estimated cost US$ 430-450 millions
- Main customers – SOCAR, CASPAR, others
- Other opportunities – possibility of usage of BDWJF's existing infrastructure and achieve synergy of these companies

Scope of Contract

Construction of the main workshop building 27.500 m2 structural steel, 5 storey Main Office Building (5.508 m2), 3 storey Canteen and Changing Room Building (5.916 m2) and 4 storey Surveyors-Owner Office Building (4.456 m2) and Steel Structure Training Center Buildings (1.440 m2)turn key basis.

Client

Baku shipyard

Date of Commencement
March, 2012

Date of Completion
September, 2013

CONSRTUCTION OF NEW BERTHS NO:17, 18, 19 AT MISURATA COMMERCIAL PORT

Libya

Project Description

The project is the construction of berths for the berthing up to 81.000 DWT Container Vessels. The deck structure consists of steel pipe pile foundations supporting a combined precast and in-situ concrete deck structure.
The project is located in Misurata, Libya. The total length of the berth is 800 m. The project is owned by Misurata Free Zone Administration (MFZA) and the main contractor is TML.

Scope of Work

* Construction of 589 m long berths with 696 pcs of piles each 48" diameter with 20 mm thickness and min. 36 m in length, supporting a combined precast and in-situ concrete deck structure,
* Extension of 211 m long existing berths with 102 pcs of piles on the sea side each 48" diameter with 20 mm thickness and min. 36 m in length, supporting a combined precast and in-situ concrete deck structure, and 54 pcs. of bored piles on the land side each 1000mm diameter and 15m in length, supporting SSG crane beams,
* Removal of existing quay blocks and rock works at the northern and southern ends of the new berth,
* Construction of road fill and retaining wall on Berth No 16 and 20 and supply and installation of stones in order to shape the bund wall as slope protection,
* Execution of soil investigation and design works,
* Supply and installation of marine fittings consisting of bollards, safety ladders and mooring rings,
* Supply and installation of rubber fenders capable of resisting 81.000 DWT Container Vessels,
* Applying cathodic protection for all exposed ferrous members including the steel piles,
* Execution of land works such as concrete utility duct, rainwater channel and rainwater pits construction,
* Reclamation of the harbour area,
* Extending the reinforced concrete paved area by a width of 24 meters,
* Construction of double road 2 x 7.5 meters in width along the new berths,
* Drainage systems, Manholes, Tower lighting and Water supply lines,
* Removal of 744 m long existing crane rails and reinstallation of new rails for SSG cranes.

Client
Misurata Free Zone Administartion (MFZ)

Date of Commencement
July, 2009

Date of Completion
July, 2012 (Project suspended due to Libya events)

NIZAMI RESIDENCES

Azerbaijan

Project Description

The project consisted of the construction, common areas finishing works, electrical and mechanical works of a luxury housing complex which is located in Baku.

The building consists of 2 blocks, each block has 15 storey with a total area of 17000 sqm. The two buildings are almost identical.

Scope of Work

* Construction of reinforced concrete structural system,

* Execution of roof finishing works of the two buildings;
- Thermal insulation,
- Water insulation,
- Roof cladding works (ceramic tiles).

* Execution of all exterior finishing works of the two buildings;
- External insulation,
- Texture paint,
- Aluminum doors & windows,
- Aluminum decorative panels,
- GRC and GRP facade elements.

* Execution of interior common areas finishing works;
- Natural stone floor and wall covering works,
- Ceramic tiles covering works (swimming pool and common wet areas),
- Wooden wall covering works,
- Gypsum board and decorative suspended ceiling works,
- Wooden and aluminum doors.

* Installation of all electrical systems;
- Transformer substations and MV switchgear,
- Diesel generators,
- Main distribution / MCC / Sub distribution boards,
- Lighting,
- Telecommunications,
- Fire alarm and protection,
- Earthing and lightning protection,
- Low voltage systems (cable TV, telephone, security/intruder alarm).

* Installation of all mechanical systems (HVAC, plumbing, sanitation and sewage systems);
- HVAC systems (heating/air conditioning/ventilation),
- Cold / Hot water supply, storage, piping,
- Sewage system collection pipes and pumps,
- Car park underground exhaust and ventilation,
- HVAC ducting, insulation, piping works,
- Boiler room and related works,
- Fire fighting system pumps and piping,
- Sprinkler system,
- Rainwater drainage,
- Swimming pool mechanical works.

* Execution of all exterior finishing works of the two buildings;
- External insulation,
- Texture paint,
- Aluminum doors & windows,
- Aluminum decorative panels,
- GRC and GRP facade elements.

Client

PAYKTAHT

Date of Contract

June, 2006

Date of Completion

June, 2008

NERGIZ SHOPPING CENTER

Azerbaijan

Project Description

The project consisted of a steel structure construction (on existing two storey reinforced car park), electrical and mechanical works of a shopping mall which is located in Baku.

The building consists of 4 storey and total covered area is 8.000 sqm. The work covered steel construction, common areas (excluding shops) and facade architectural finishing works, mechanical, electrical and landscaping works.

Scope of Work

* Construction of steel structure system,

* Execution of roof finishing works;
- Thermal insulation,
- Water insulation,
- Roof cladding works.

* Installation of all electrical systems;
- Transformer substations and MV switchgear,
- Diesel generators,
- Main distribution / MCC / Sub distribution boards,
- Lighting (Internal and External), Power distribution,
- Telecommunications,
- Fire Alarm and protection,
- Earthing and lightning protection,
- Low voltage systems (telephone, security/intruder alarm, CCTV).

* Installation of all mechanical systems (HVAC, plumbing, sanitation and sewage systems);
- HVAC systems (heating/air conditioning/ventilation),
- Cold / Hot water supply, storage, piping,
- Sewage system collection pipes and pumps,
- HVAC ducting, insulation, piping works,
- Boiler / Chiller systems related works,
- Fire fighting system pumps and piping,
- Sprinkler system,
- Rainwater drainage,
- Elevators (Panoramic).

* Execution of all exterior finishing works;
- Curtain wall glazing facade,
- GRC facade elements.

* Execution of common areas interior finishing works;
- Natural stone floor covering works,
- Wooden wall covering works,
- Gypsumboard suspended ceiling,
- Mineral wool suspended ceiling,
- 3 dimensional pre-formed lexan suspended ceiling,
- Floor and wall ceramic tiles,
- Decorative painting,
- Epoxy floor covering.

Client

ISR INVESTMENTS CO. MMC.

Date of Contract

February, 2006

Date of Completion

June, 2007


roberto botticelli


TOM TAILOR
50%


uptown

RESTORATION AND REPAIR OF PRIME MINISTRY BUILDING

Azerbaijan

Project Description

Prime Ministery building of Azerbaijan was built after World War II as a wooden frame type. The building has been repaired and renevated while it was functioning, partially, without discomforting the employees.

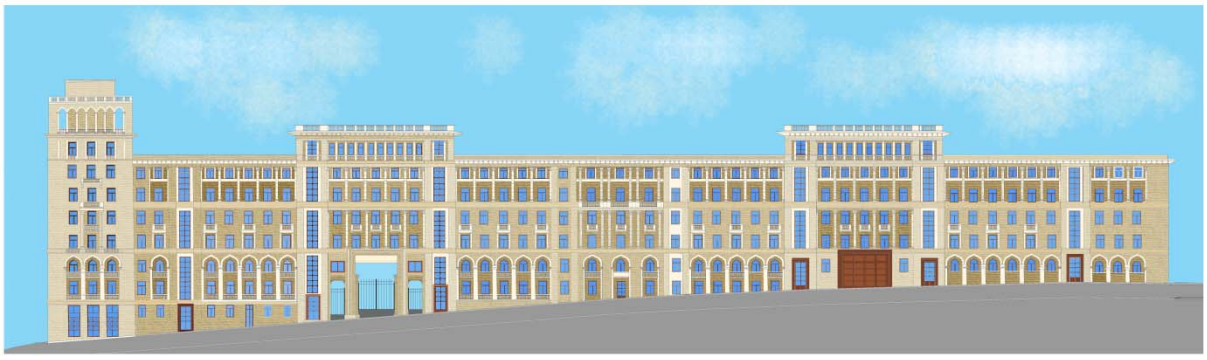
The common areas like corridors, toilets stairs modernized upon Azerbaijan Prime Ministery's expectation. The meeting rooms, congress halls, canteen etc. was improved and redesigned. Facade of the building repaired and painted according to their selected colors.

Client

Administration of Azerbaijan Prime Ministry Building

Date of Commencement
October, 2005

Date of Completion
February, 2006



BAB EL BAHR HOTEL

Libya

Project Description

Rehabilitation and Repair of deteriorated Reinforced Concrete Elements of The Bab El Bahr Hotel, and also outside painting of the Hotel. In execution and quality and safety factors are maintained at all times.

The work consist;

- Where the severely deteriorated (element type 1, figA-7) pre-cast elements shall be removed completely and they will be replaced by similar new pre- casted arches placed into position.

- Repair of Moderately and Severely Deteriorated Pre-Cast Elements

- Repair of Severely Deteriorated R.C. Emergency Stair and Restaurant Columns

- Repair of Severely Deteriorated Restaurant R.C. Beams and above 0.40 m parapet, at the exterior face

- Repairs of All Balcony Wall Cracks, repair of the Basement Slab Soffit Cracks, Repair of Honeycombed Concrete, Repair of Deteriorated Utility Openings

- External Paints

Client

SOSIAL SECURITY FUND OF LIBYA

Date of Contract

24 March, 2003

Date of Completion

12 December, 2004

GAS COMPRESSOR STATION CONSTRUCTION PROJECT

Karadag, Azerbaijan

Project Description

The project provided natural gas from the State Oil Company of the Azerbaijan Republic's (SOCAR) Gas Processing Facilities in Karadag to the 400 MW Gas Combined Cycle Power Plant being constructed at site located approximately 40 km Northeast of the City of Baku. While the Project, upon the completion, served the needs of the Severnaya Gas Combined Cycle Power Plant, it was in the intention of JSC Azerigaz to utilize the Project as a component of its future expansion plan to supply gas to other end-users on the Apsheron Peninsula.

The Main Contractor was TOYO Engineering Corporation. TML-Borova was the main subcontractor for civil works and mechanical/electrical/instrumentation installation works. The compressor station received natural gas from SOCAR treatment plant and delivered compressed natural gas into a 90 km long pipeline feeding the Severnaya Power Plant.

Scope of Work

* Construction of the Compressor station that consisted of:
- Two gas turbine driven (approx.11 MW each) compressors each rated at 5 million cub. meter /day at 37 barg discharge pressure to deliver natural gas to the Severnaya Power Plant,
- Air/Gas coolers for intermediate and after cooling,
- Emergency auxiliary diesel/gas generator set,
- High voltage electrical connection to the power supply including the aerial line connection and high voltage switching system,
- Microprocessor based automatic control system,
- Required Auxiliaries.

* Major Civil Work Items:
- 355 nos of , 400mm x 400mm RC Piles,
- 3,500 cub. meter of Reinforced Concrete with 350 tons of reinforcement and
- 11,000 sq. meter of formwork,
- 275 tons of Steel Structure,
- 17,000 cub. meter of Earth Works,
- 500 cub. meter of Asphalt Roads.

* Mechanical Installation Work of nearly 600 tons (major items: Compressor & Blower of 200 tons, Air Fin Cooler of 200 tons, Vessel & Tanks of 120 tons, Platform of 50 tons).

* Electrical (90 km of cabling) and Instrumentation (500 no of indoor and outdoor instruments) Installation Works.
* Design, Supply and Installation of HVAC System, Telephone System, Lightning System, Steel Structure Erection.
* Supply of Electrodes, Paint, Cables, some Structural Steel and Architectural Materials.
* Assistance to Commissioning

Client

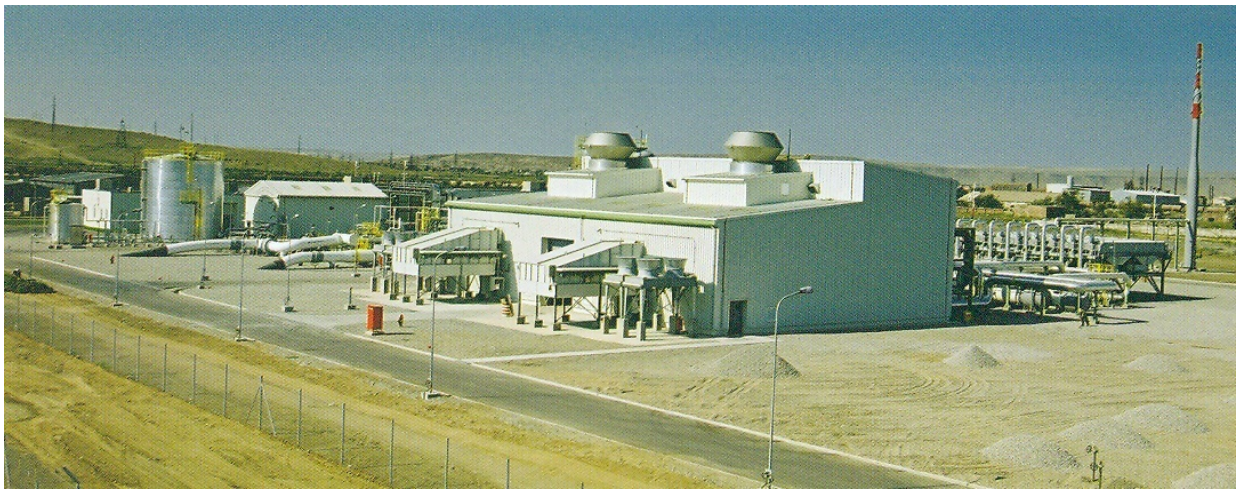
JOINT STOCK COMPANY AZERIGAS

Date of Contract

July, 2002

Date of Completion

October, 2003



SEVERNAYA 400 MW GAS COMBINED CYCLE POWER PLANT

Azerbaijan

Project Description

The project consisted of construction of a new 400 MW combined cycle power plant.
The Main Contractor was Mitsui-MHI Consortium. TML- Borova JV was the main subcontractor for civil works and mechanic, electric, instrument erection works.

Scope of Work

* 100.000 cub. meter Earth Works, Gravel Paving of 20.000 sq. meter, 4.000 sq. meter of Asphalt Concrete.
* 1.500 sq. meter Shotcrete for the foundation excavations of Pump Pit & Pump House.
* Construction of Turbine Generator Building, Generator Foundations, foundations of other equipment (1.000 nos L=14 m 400mm x 400mm RC piles), 100 tons of pipe racks, 2.000 tons of steel structure, 20.000 cub. meter of concrete.
* Construction of Cooling Water Intake Channel, Pump Pit & Pump House, Discharge Outfall, Water Treatment Facilities and Breakwater Structure.
* Railroad, Fencing, Sewage Water Treatment and Drainage System.
* Installation of Gas turbine of 370 tons, Generator of 300 tons, Waste Heat Recovery Steam Generator, Piping of 2.100 tons, Electrical Installation
* Supply and Erection of Condensate storage tank of 10.000 cub. meter, Fuel Storage tank of 5.000 cub. meter, Well Water tank of 400 cub. meter, Fire Water tank of 2.000 cub. meter, Potable Water tank of 60 cub. meter capacities.

Client

AZERENERGY

Date of Contract

September, 2000

Date of Completion

November, 2002


18 9 2001


29 11 2001


LIEBHERR

CATEMENIALS FACTORY, PROCTER & GAMBLE / NOVOMOSKOVSK BYTHIM

Russia

Project Name: NOVOMOSKOVSK BYTHIM CATEMENIALS FACTORY

Client : Procter & Gamble

Location: Novomoskovsk / Russia

Scope : Turnkey construction of factory, office building and waste water treatment plant, roads, infrastructure, site improvement process and technological installation, etc.

Date of Contract

June, 1996

Date of Completion

December, 1997

MARINE TERMINAL INSIDE BENGHAZI HARBOUR AND PIPELINES BETWEEN HARBOUR AND RAS EL MUNGAR TERMINAL

Libva

Project Description

Detailed field engineering, design, procurement and supply of equipment and materials, transport, construction, installation, testing and commissioning of marine tanker unloading/loading Facilities inside Benghazi New Harbour and laying required pipelines to Ras El mungar Terminal and Depots of Benghazi.

Client
Brega Petroleum Marketing Company

Date of Commencement
October, 1996

Date of Completion
September, 2000

1 x 210 MW ORHANELI THERMAL POWER PLANT

Turkey

Project Description

The project was civil and electro-mechanical erection works of a 210 MW thermal power plant in Orhaneli, Bursa. The project consisted of main building, auxiliary buildings, cable ducts, road works, equipment foundations, 275 m high chimney and 90 m high cooling tower with a base diameter of 67 m both constructed utilising slipforming technology. The quantity of structural steel erection exceeded 18,500 tons.

Client

Turkish Electricity Authority

Date of Completion

November, 1991

INEGOL POST OFFICE BUILDING AND LODGES CONSTRUCTİON WORKS

Turkey

Site Manager

Project Description

Construction of duty building;Costumer services saloon,telephone system facilities and 5 lodges.

Client

Turkish PTT Administration

Inegol / BURSA

Date of Commencement

April, 1987

Date of Completion

February 1989

SOCIAL BUILDING AND LODGES CONSTRUCTION WORKS OF TKI-MLI ORHANELIREGIONAL AUTHORITY

Turkey

Site Engineer

Project Description

56 Lodges and a guest house 20 rooms & multi purpose saloons, site roads & parking and landscaping works.

Client

TKİ-MLİ Orhaneli Regional Authorıty/ Turkish Coal Enterprice

Orhaneli / BURSA

Date of Commencement

July, 1984

Date of Completion

November, 1985