



ABT continues to work for the good of humanity, by prioritizing people and environment, with its highest HSE and quality culture, and using the resources in the most efficient way.

NUL INTE



# Contents

# Nelcome Nelcome Services Curvices Chients Clients World of ABT

We have started to leave our footprint since 2015

construction & ENGINEERING with the principle of creating value and sharing these values together.

ALL ABOUT TRUST

# Welcome to ABT

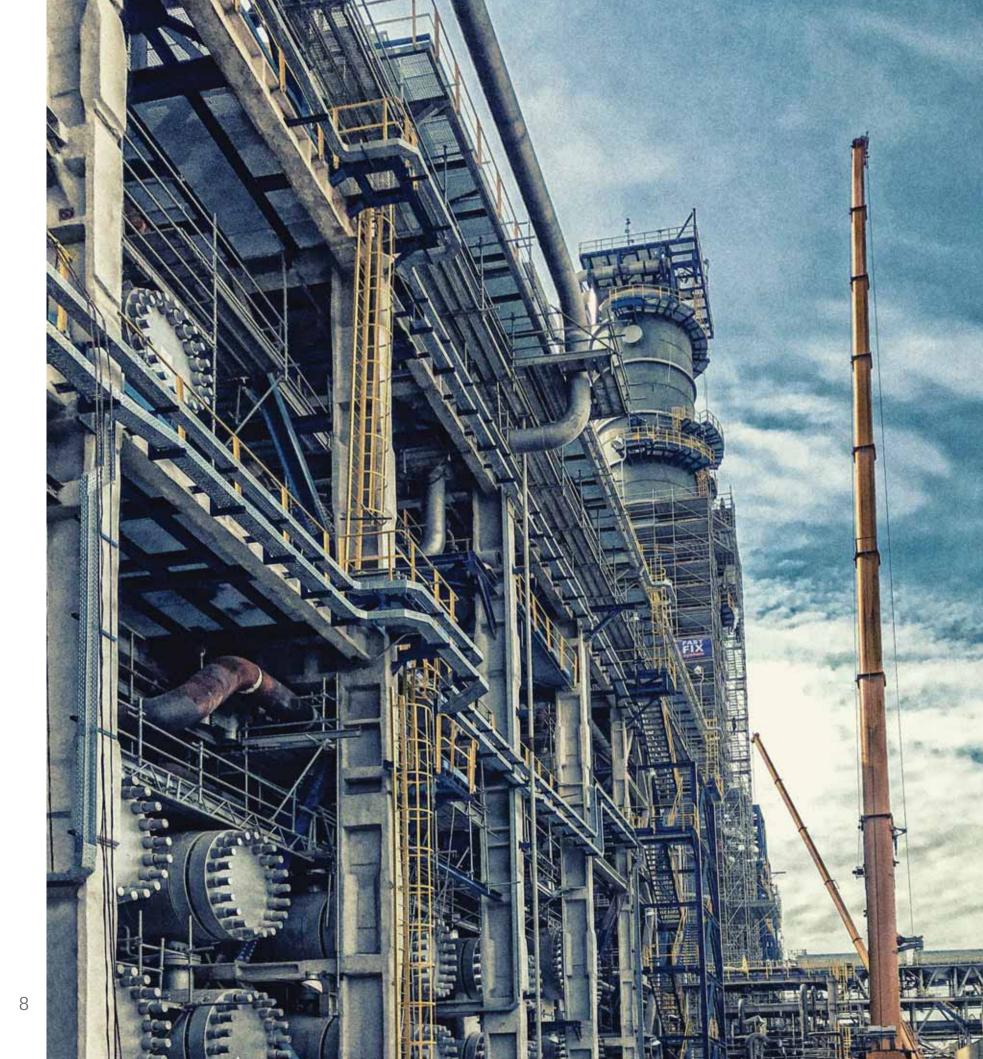
Since our establishment, we have concentrated on being an effective team with our clients, partners, subcontractors and employees in order to leave our footprint with the principle of creating value and sharing these values together.

Although we have been crossing a challenging era in Construction Industry under very tough competition with higher Client expectations, we have succeeded to grow, improved our capabilities and most importantly added valuable teammates to ABT family.

ABT's philosophy is transparent management, project-oriented approach and employing high caliber dedicated staff. ABT has been training and improving its workforce as per this understanding and according to its growth strategy to execute engineering, procurement and construction (EPC) projects. In this respect, we appreciate and respect our team, and aim to provide an attractive working environment and career growth opportunities for ABT employees.

While executing the projects, we never compromise our commitments for Health, Safety, Environment, Ethics and Quality, and we build a transparent and open relationship with our clients based on mutual trust and respect.

In the light of our above philosophy and vision, ABT is ready to execute future projects with the utmost motivation, expertise and dedication.





ABT offers a wide range of professional engineering services including EPC projects for developing plants, mechanical systems or products. Whether providing complete engineering services or engineering support such as engineering management and detail engineering, ABT has engineering capabilities to meet your needs together with its solution partners.

As it's core business with full of successful 30 years experience in Construction, ABT serves for the needs and the expectations of its clients by providing comprehensive solutions tailored to your unique projects.

### **CONSTRUCTION SERVICES**

- Civil Works, Infrastructure and UG Installation
- Structural Steel Fabrication and Installation
- Storage Tanks Prefabrication and Installation
- Mechanical Equipment Installations:
  - Rotating Equipment such as Turbine, Compressor, Reciprocating Gas Engine, Pumps, etc.
  - Static Equipment such as Pressure Vessels, Drums, Reactors, Heat Exchangers and Skid-mounted equipment.
  - Packages such as HRSG, Reformer, Heaters, Boiler, Cooling Tower, Air Cooled Condensers, Blowers, etc.
- Structural Steel Fabrication and Installation
- Sand Blasting & Painting
- Insulation Works & Refractory Lining & Fireproofing
- Electrical and Instrumentation Installation

#### **ENGINEERING SERVICES**

- Conceptual Design
- Basic Design
- Front End Engineering Design (FEED)
- Detail Design (Execution phase) incl.
  - Project Management
  - Civil Engineering
  - Mechanical Engineering
  - Process Engineering
  - Electrical Engineering
  - Instrument and Control (I&C) Engineering
  - Start-up Services (Testing and Commissioning Assistance)



# HSE Management health, safety and environment

At ABT, we are committed to ensuring the health and safety of our workforce and stakeholders as well as complying with all legal requirements in terms of HSE. We implement the Health and Safety culture across our projects and believe that it is the responsibility of everyone from Top Management to all our workers .

We operate a robust Health, Safety and Environmental management system which is evaluated for continual improvement in accordance with **ISO 45001:2018 and ISO 14001:2015**.

#### Sustainability and the Environment

We recognize the importance of the natural environment and the significance of the ecosystem's sustainability and fully comply with all sustainability and environmental legislations. ABT is dedicated to preventing pollution, reducing wastes and minimizing the adverse impacts of our activities on the environment.

# **Quality Policy & Commitment** effective quality management

Primary objective of ABT is to satisfy Clients needs, in order to get high level of effectiveness and efficiency of the processes in each phase of the project and to meet the Client expectations. ABT achieves such an objective by means of the implementation of his Quality Management System, in compliance with **ISO 9001:2015**, based on the following strategic guidelines highlighted in the Quality Policy.

The scope of the certificate is applicable to all his activities such as:

- project management,
- design,
- engineering,
- procurement,
- construction,
- fabrication,
- installation,
- commissioning and start-up.

# PROJECTS

Genie ZX-135/701

- Sakarya Gas Field Development Project, MEG TEG Site Completion Works, Filyos, Zonguldak, Türkiye,
- Star Refinery Project, Piping Works in Hydrocracker Unit & Pre-commissioning, Commissioning Assistance Works for Diesel Lines, Aliaga, Izmir, Türkiye
- Star Refinery Project, Piping and Electrical & Instrumentation Supervision Services, Aliaga, Izmir, Türkiye
- Star Refinery Project, Flare Area, Tank Farm Piping Works, Aliaga, İzmir, Türkiye
- Star Refinery Project, Hazardous Waste Storage Building EPC Works, Aliaga, İzmir, Türkiye
- Tanap Project Compressor Station 1 (CS1) Construction Works, Damal, Ardahan, Türkiye
- Tanap Project Metering Station 1 (MS1) Construction Works, Posof, Ardahan, Türkiye
- Tanap Project Compressor Station 1 (CS1) Substation Construction Works, Damal, Ardahan, Türkiye
- Tanap Project Metering Station 1 (MS1) Substation Construction Works, Posof, Ardahan, Türkiye

# Petrochemical Plants

- Gemlik Fertilizer New Urea and UAN Plant Project, Material Handling and Preservation Works, Gemlik, Bursa, Türkiye
- Gemlik Fertilizer New Urea and UAN Plant Project, Supervision Services, Gemlik Bursa, Türkiye
- Gemlik Fertilizer New Urea and UAN Plant Project, Construction of Underground Works, Gemlik Bursa, Türkiye
- Poti Port, Methanol Storage Terminal Plant Upgrage Works (Phase II), Poti, Georgia
- Poti Port, Methanol Storage Terminal Plant (Phase |), Poti, Georgia

#### Power Plants

Boufarik 750 MW Simple Cycle Power Plant Construction Works, Algeria

## Building Construction Works

- Star Refinery Project, Administration and Management Building of the Refinery, Phase II Construction Works, Aliaga, İzmir, Türkiye
- Tanap Project CS1 Civil&Architecture Works of Buildings, Damal, Ardahan, Türkiye
- Tanap Project MS1 Civil&Architecture Works of Buildings, Posof, Ardahan, Türkiye

# EPC Early Works

- Gemlik Fertilizer New Urea and UAN Plant Project, EPC Temporary Construction Facilities Works, Gemlik Bursa, Türkiye
- Tanap Project Compressor Station 1 (CS1) EPC Camp Construction Works, Damal, Ardahan, Türkiye
- Tanap Project Metering Station 1 (MS1) EPC Camp Construction Works, Posof, Ardahan, Türkiye



#### SAKARYA FIELD DEVELOPMENT PROJECT MEG TEG SITE COMPLETION WORKS

Location Contractor Client Duration Scope Filyos, Zonguldak, Türkiye Schlumberger Türkiye Petroleum (TPAO) 21 Monts (Oct 22 - Jun 24) Piping, Equipment and E&I Installation Works

✓ the largest gas discovery in the Black Sea
 ✓ the first deepwater gas field discovery in Türkiye



✓ 425.000 safe manhours are achieved in Project.







#### STAR REFINERY PROJECT PIPING AND COMMISSIONING ASSISTANCE WORKS

Location Contractor Owner Project Duration Scope

Aliaga, Izmir, Türkiye TSGI (Tecnicas Reunidas, Saipem, GS, Itochu JV) Star Rafineri A.S. (SOCAR) 10 months (Jul 18 - May 19) Piping Works in Hydrocracker Unit & precommissioning works, commissioning assistance works of diesel lines.





#### STAR REFINERY PROJECT MECHANICAL AND ELECTRICAL INSTRUMENTATION SUPERVISION WORKS (INCLUDING COMMISSIONING SUPERVISION)

Location Contractor Owner

Aliaga, Izmir, Türkiye TSGI (Tecnicas Reunidas, Saipem, GS, Itochu JV) Star Rafineri A.S. (SOCAR) Project Duration 13 months (Apr 18 - May 19)









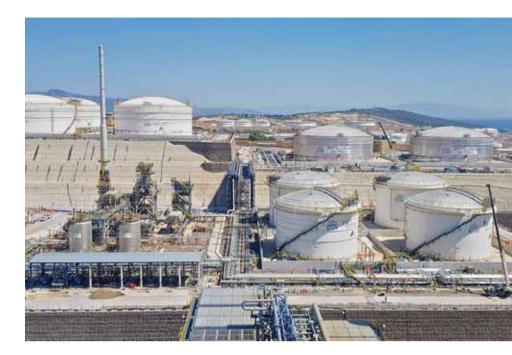




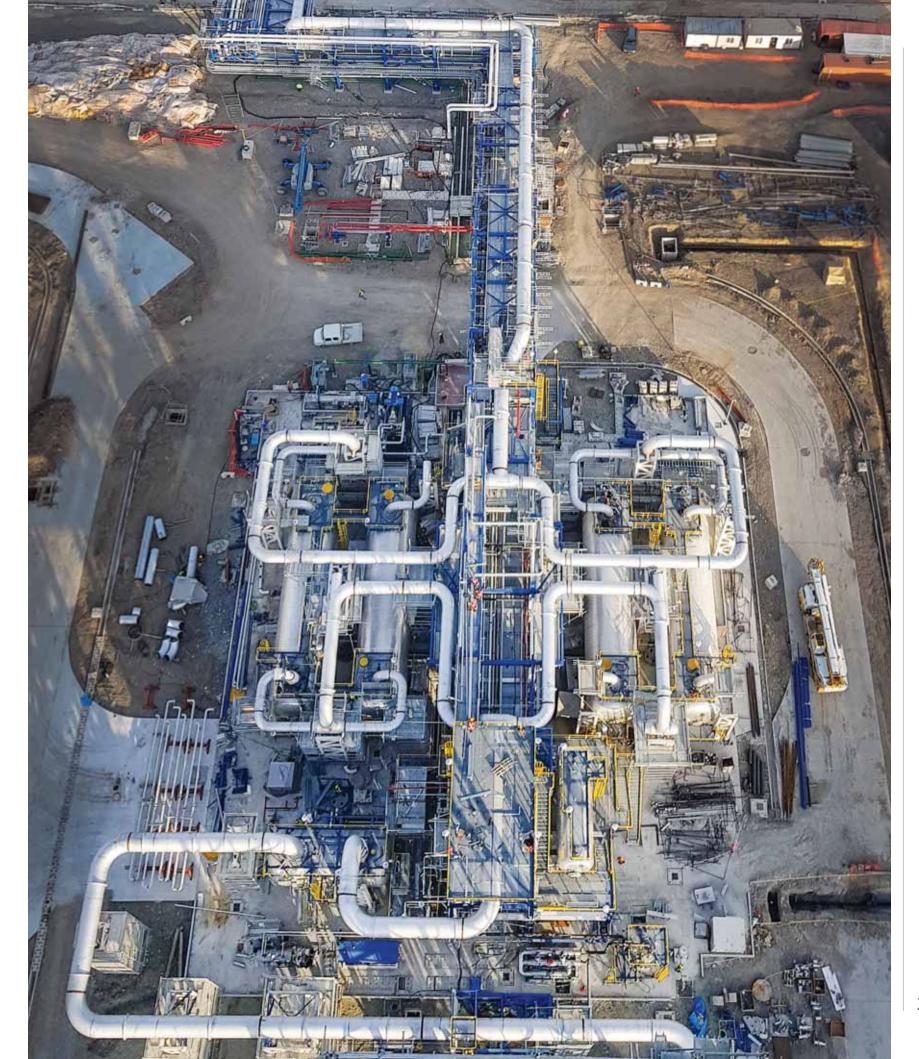
#### STAR REFINERY PROJECT FLARE AND TANK FARM AREA PIPING WORKS

Location Contractor EPC Contractor Owner Scope

Aliaga, Izmir, Türkiye Gemont A.S. TSGI (Tecnicas Reunidas, Saipem, GS, Itochu JV) Star Rafineri A.S. (SOCAR) Project Duration 20 Months (May 17 - Jan 19) Piping Works for Flare Area and Tank Farm







#### STAR REFINERY PROJECT FLARE AND TANK FARM AREA PIPING WORKS









#### STAR REFINERY HAZARDOUS WASTE STORAGE BUILDING PROJECT

Location Client/Owner Project Duration Participation Scope

Aliaga, Izmir, Türkiye Star Refinery (SOCAR) 8 months (Oct 16 - May 17) ABT as Project Management Contractor Consultancy for Engineering, Procurement and Construction (EPC) Works of Hazardous Waste Storage Building







#### **STAR REFINERY** HAZARDOUS WASTE STORAGE BUILDING FIRE FIGHTING SYSTEM PIPING WORKS

Location Client

Aliaga, Izmir, Türkiye Star Refinery (SOCAR) Project Duration4 Months (Agu 17- Dec 17)ScopePiping Fabrication and Installation Works

#### TANAP PROJECT COMPRESSOR STATION 1 (CS1) CONSTRUCTION WORKS

Location	Damal, Ardahan, Türkiye
Contractor	Tekfen Construction
EPCM	Worley Parsons
Owner	TANAP (BOTAS, SOCAR, BP)
<b>Project Duration</b>	32 Months (Jun 16 - Dec 18)
Participation	ASF ABT Joint Venture









#### TANAP PROJECT METERING STATION 1 (MS1) CONSTRUCTION WORKS

Location
Contractor
EPCM
Client
Project Duratio
Participation

Posof, Ardahan, Türkiye (Georgia Border) Tekfen Construction Worley Parsons TANAP (BOTAS, SOCAR, BP) 19 Months (Jun 16- Dec 17) ASF ABT Joint Venture







#### TANAP PROJECT CS1 SUBSTATION CONSTRUCTION WORKS

Location Contractor EPCM Owner Participation Scope Damal, Ardahan, Türkiye Tekfen Construction Worley Parsons TANAP (BOTAS, SOCAR, BP) ASF ABT Joint Venture Construction of Substation Building



#### TANAP PROJECT MS1 SUBSTATION CONSTRUCTION WORKS

Location Contractor EPCM Owner Participation Scope Posof, Ardahan, Türkiye Tekfen Construction Worley Parsons TANAP (BOTAS, SOCAR, BP) ASF ABT Joint Venture Construction of Substation Building



#### GEMLIK FERTILIZER NEW UREA AND UAN PLANT PROJECT MATERIAL HANDLING AND PRESERVATION WORKS

Location EPC Contractor Owner Project Duration Scope Gemlik Bursa Türkiye Technimont S.p.A. Gemlik Gubre (Yildirim Group) 42 months (Jul 21 - ) Material Handling and Preservation Works





#### GEMLIK FERTILIZER NEW UREA AND UAN PLANT PROJECT SUPERVISION WORKS

Location EPC Contractor Owner Project Duration Scope

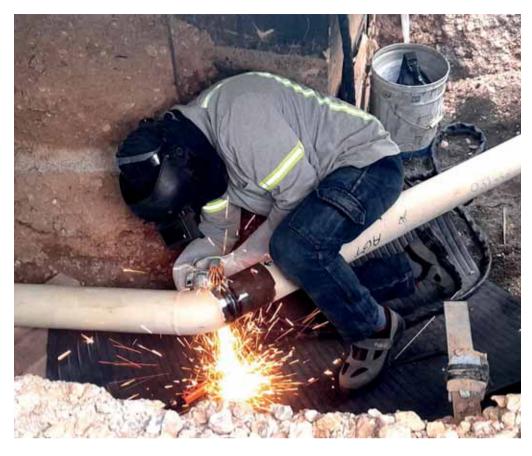
Gemlik Bursa Türkiye Technimont S.p.A. Gemlik Gubre (Yildirim Group) 19 months (Feb 22 - Aug -23) Civil, Mechanical, E&I Supervision Works

#### GEMLIK FERTILIZER NEW UREA AND UAN PLANT PROJECT CONSTRUCTION OF UNDERGROUND WORKS

Location EPC Contractor Scope

Gemlik Bursa Türkiye Technimont S.p.A. OwnerGemlik Gubre (Yildirim Group)Project Duration11 months (May 22 - Apr 23) Underground Construction Works









#### POTI PORT PROJECT METHANOL STORAGE TERMINAL PLANT **UPGRADING WORKS (PHASE II)**

Location Participation Scope

Poti, Georgia OwnerChannel Energy-GeorgiaProject Duration4 months (Feb 17 - May 17) Consultancy and Engineering Phase 1 completed by ABT. Engineering Works of Upgrading of Methanol Storage Terminal Plant









#### POTI PORT PROJECT METHANOL STORAGE TERMINAL PLANT (PHASE I)

Location Owner Project Duration Participation Scope Poti, Georgia Channel Energy-Georgia 4 months (Jan 16 - Apr 16) Consultancy and Engineering Review and Evaluation of Process Engineering completed by Foster Wheeler Bimas Engineering, Procurement and Construction Valuation of Methanol Storage Terminal Project









# Power Plants

#### BOUFARIK 705 MW SIMPLE CYCLE POWER PLANT

Location EPC Contractor Owner Project Duration Participation Project Configuration Scope Boufarik, Algeria GAMA Power Systems Sonelgaz 24 months (Nov 15 - Nov 17) ABT as Civil Works Subcontractor 3xGE 9FA Gas Turbines Underground construction works Building architectural works









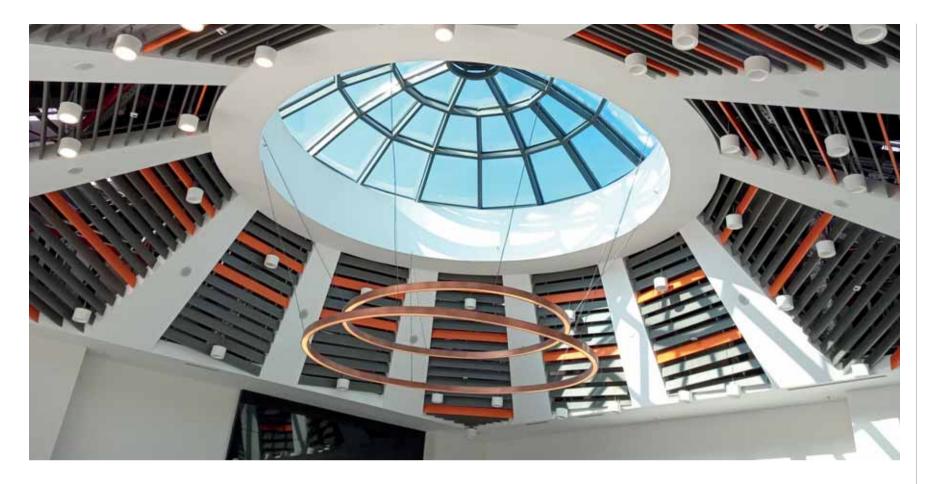
# Building Construction Works

#### STAR REFINERY PROJECT ADMINISTRATION & MANAGEMENT BUILDING PHASE II CONSTRUCTION WORKS

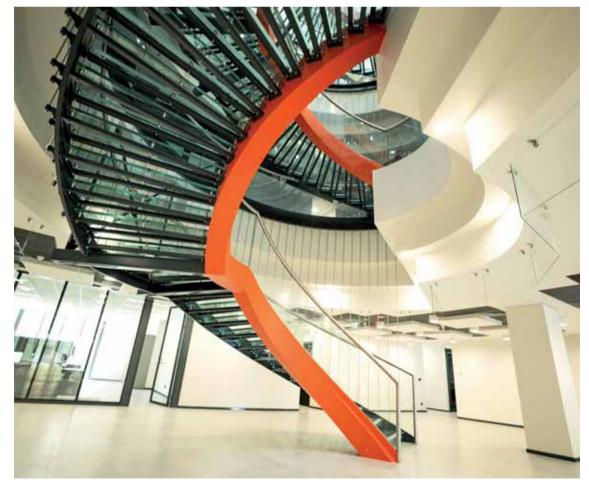
Location Owner Project Duration Scope Aliaga, Izmir, Türkiye Star Rafineri A.S. (SOCAR) 12 months (Mar 19 – Mar 20) Engineering review, Procurement and Construction (ePC) of building incl. architectural, steel, mechanical, electrical and commissioning works except civil construction works











# Building Construction Works

#### TANAP PROJECT CS1 BUILDING CONSTRUCTION WORKS

Location Contractor EPCM Owner Project Duration Participation Scope Damal, Ardahan, Türkiye Tekfen Construction Worley Parsons TANAP (BOTAS, SOCAR, BP) 32 Months (Jun 16-Dec 18) ASF ABT Joint Venture Civil and Architecture Works of Workshop & Warehouse, Administration & Control Building, Hazardous Waste&Storage Building, Utility Building, Security Building, Canteen Building and etc.







#### TANAP PROJECT MS1 BUILDING CONSTRUCTION WORKS

Location Contractor EPCM Owner Project Duration Participation Scope Posof, Ardahan, Türkiye Tekfen Construction Worley Parsons TANAP (BOTAS, SOCAR, BP) 19 Months (Jun 16-Dec 17) ASF ABT Joint Venture Civil and Architecture Works of Workshop & Warehouse, Administration & Control Building, Hazardous Waste&Storage Building, Utility Building, Security Building, Canteen Building and etc.





# EPC Early Works

#### GEMLIK FERTILIZER NEW UREA AND UAN PLANT PROJECT TEMPORARY CONSTRUCTION FACILITIES AND SERVICES WORKS

Location	Gemlik, Bursa, Türkiye
Contractor	Technimont S.p.A.
Client	Gemlik Gubre (Yildirim Group)
Scope	Engineering, Procurement and Construction (EPC) Works for TCF underground civil, mechanical and electrical works and related lanscaping & Maintenance Works incl. Auxiliary Services
Total Area Total Closed Area	47.700 m <sup>2</sup> 2.700m <sup>2</sup>







# EPC Early Works





#### **TANAP PROJECT** METERING STATION 1 (MS1) CAMP CONSTRUCTION WORKS

Location Contractor Client Participation Scope

Camp Capacity

Total Area

Ardahan, Türkiye (Georgia-Turkgozu border) Tekfen Construction TANAP (BOTAS, SOCAR, BP) ASF ABT Joint Venture Engineering, Procurement and Construction Works (EPC) for overall camp underground civil, mechanical and electrical works and related lanscaping 450 personnel 27.700 m<sup>2</sup> Total Closed Area 8.700m<sup>2</sup>







# EPC Early Works

#### TANAP PROJECT COMPRESSOR STATION 1 (CS1) CAMP CONSTRUCTION WORKS

Location	Damal, Ardahan, Türkiye
Contractor	Tekfen Construction
Client	TANAP (BOTAS, SOCAR, BP)
Participation	ASF ABT Joint Venture
Scope	Engineering, Procurement and Construction Works
	(EPC) for overall camp underground civil,
	mechanical and electrical works and related lanscaping
Camp Capacity	850 personnel
Total Area	55.000 m2
Total Closed Area	16.200m2







# EXECUTIVE'S REFERENCES

# Oil & Gas Plants

- Qatargas Unit 3 & 4 Project, Qatar
- Shell Pearl GTL Project, Air Separation Units, Qatar
- Saudi Aramco Hawiyah NGL Recovery Plant, Gas Treatment And Compression Facilities, KSA
- Yamal LNG Production Plant, Russia

### Power Plants

- Riga 420 MWe Combined Cycle Power And 270 MWT Thermal Plant, Latvia
- Al Khalij 1400 MW Thermal Power Plant Project, Libya
- 330 MW Zawiya Simple Cycle Power Plant Project, Libya
- 478 MW Marmara Ereglisi Combined Cycle Power Plant Project, Türkiye
- Zerger 432MW Simple Cycle Power Plant, Turkmenistan

# Petrochemical Plants

- Tupras Izmir Refinery CCR And Isomerization Units Project , Türkiye
- Caustic Soda Plant Project, KSA
- Ammoniac and Hydrogen Production Plant, Togliatti, Russia

## Pipeline Plants

- DISI Water Conveyance Line Project, Jordan
- Great Man-Made River Project, Sair-Sirte / Tazerbo-Bingazi Section Cathodic Protection Works, Libya

### Other Industrial Plants

EPCC Cement Plant Project, KSA

# Oil & Gas Plants

#### QATARGAS UNIT 3 & 4 PROJECT

Location Ras Laffan. Qatar Contractor GAMA Qatar Co. W.L.L. CTJV (Ghiyoda-Japan, Technip-France Consortium) Client Qatargas, Conoco-Phillips, Shell ACS Owner 57 months (Jan 06 - Oct 10) Project Duration Participation Deputy Managing Director and Project Director Scope Construction Works: 86.813 m<sup>3</sup> concrete pouring 16.000 ton steel erection 16.500 ton equipment installation 1,440.000 WDI piping prefabrication and erection works All related electrical and instrument installation works

 All precommissioning activities and site assistance to commissioning team





#### YAMAL LNG PRODUCTION FACILITY CONSTRUCTION OF CWP3B PACKAGE

Location Contractor Client Project Duration Participation Scope

Yamal, Sabetta Region, Russian Federation REGA JV (GAMA - Renaissance Heavy Industries) JSC Yamal LNG / South Tambey LNG 39 months (Aug 15 - Dec 18) COO of Renaissance Heavy Industries and Project Board of Contractor (resigned after Contract signature) • Module Installation and Connection Works for Utility

- and Offsite
- Mechanical Works
- Piping Works
- EPC (Engineering-Procurement-Erection) Tanks and Buildings
- Electrical and Instrumentation Works

#### SHELL PEARL GTL PROJECT AIR SEPARATION UNITS

Location	Ras Laffan, Qatar
Contractor	GAMA Qatar Co. W.L.L.
Client	Linde AG-Linde Eng., Germany
Owner	Qatar Shell GTL Ltd
PMC	JGC and KBR
Project Duration	46 months (Jun 07 - Mar 11)
Participation	Deputy Managing Director, Project Director a
	Site Manager
Scope	Construction Works:
	50.400 m <sup>3</sup> concrete pouring
	8.500 ton steel erection
	<ul> <li>36.000 ton eguipment installation</li> </ul>
	<ul> <li>520.000 WDI piping prefabrication and erec works</li> </ul>

- 82.610 m<sup>2</sup> painting&insulation works
- All related electrical and instrument installation works
- All precommissioning activities and site assistance to commissioning team





#### HAWIYAH NGL RECOVERY PLANT GAS TREATMENT AND COMPRESSION FACILITIES

Location Contractor Client Owner Project Duration Participation Scope Al-Hasa Region, Saudi Arabia GAMA Al-Moushegah Arabia Ltd. Saipem (ex-Snamprogetti), Italy Saudi Aramco

36 months (Dec 05 - Dec 08) Site Manager, Technical Office Manager Construction Works:

- 13.500 ton steel erection
- 11.470 ton eguipment installation
- 674.000 WDI piping prefabrication and erection works (22.901 tons piping)
- 184.000 m<sup>2</sup> painting works
- 44.000 m<sup>2</sup> insulation works
- All precommissioning activities and site assistance to commissioning team

## Power Plants



#### RIGA 420 MWe COMBINED CYCLE POWER AND 270 MWt THERMAL PLANT

Location Riga, Latvia **EPC** Contractor GAMA Power Systems Client/Owner AS Latvenergo **Project Duration** 41 months (Apr 10 - Sept 13) Participation Deputy Managing Director, Procurement Manager Scope EPC Works for 420 MWe Combined Cycle Power and 270 MWt Thermal Plant includes Engineering Management, Procurement of all Equipment and Systems, Construction Management and Supervision, Commissioning and Start-up works Project Config. 1 - 1 multishaft Gas Turbines: GE Frame 9FB.03 Steam Turbine: Siemens STG

# Steam Turbine: Siemens STG

#### ZERGER 432 MW SIMPLE CYCLE POWER PLANT

Location Contractor Client Participation Serdarabat Region, Turkmenistan
Renaissance Heavy Industries
Sumitomo Corporation, Japan
COO of Renaissance Heavy Industries (resigned after Contract signature)



#### AL KHALIJ 1400 MW THERMAL POWER PLANT

Location Contractor Client Participation Scope Al Khalij, Libia GAMA Industrial A.S. General Electric Company-Libia (GECOL) Deputy Managing Director Construction Works:

- 160.000 m<sup>3</sup> concrete pouring
- 11.500 ton steel erection
- 4.000 ton tank installation



# Power Plants



#### ZAWIYA 330 MW SIMPLE CYCLE POWER PLANT

Location Contractor Client Owner Project Duration Participation Scope

Project Config.

Gas Turbines

Zawia, Libia GAMA Endüstri AŞ Alstom Ltd., Switzerland GE Electric Company - Libia (GECOL) 13 months (Oct 04 - Nov 05) Site Manager Construction Works:

- 5.085 m<sup>3</sup> concrete pouring
- 1000 ton steel erection
- 3.100 ton eguipment installation
- 182 ton piping works (9.198 WD)I)
- All related electrical and instrument installation works
- All precommissioning activities and site assistance to commissioning team
   Simple Cycle 2xGT
   ALSTOM 13E

#### MARMARA EREGLISI 478 MW COMBINED CYCLE POWER PLANT

Location Contractor Client Owner Project Duration Participation Scope Tekirdag, Türkiye GAMA Industrial A.S. Enron-USA & GAMA Consortium Trakya Elektrik Uretim ve Ticaret A.S. 26 months QA/QC Manager Contruction works of 2+1 multishaft configuration: 23.600 m<sup>3</sup> concrete pouring 2.582 ton steel erection 1.158 ton storage tank 4.280 ton other steel,tank,piping,etc. 1.000 ton equipment installation 650 ton process piping works

- All related electrical and instrument installation works
- All precomissioning activities and site assistance to commissioning team



# Petrochemical Plants



#### TOGLIATTI AMMONIAC & HYDROJEN PRODUCTION PLANT

Location Contractor Client Participation Togliatti, Russia Renaissance Heavy Industries Linde Azot Togliatti LLC COO of Renaissance Heavy Industries (resigned after Contract signature)

#### TUPRAS IZMIR REFINERY CCR AND ISOMERIZATION UNITS

Location Contractor Owner Project Duration Participation Scope

İzmir, Türkiye
 Foster Wheeler Italy and GAMA Consortium
 TUPRAS
 21 months
 QA/QC Manager and Site Manager
 Construction Works:
 20.000 m<sup>3</sup> concrete pouring,

- 4.200 ton steel erection,
- 7.500 ton eguipment installation,
- 6.000 ton piping prefabrication and erection works,
- 347.000 m<sup>2</sup> painting works,
- 68.000 m<sup>2</sup> insulation works,
- All precommissioning activities and site assistance
- to commissioning team.



#### JUBAIL CAUSTIC SODA PLANT

Location	Jubail, Saudi Arabia
Contractor	GAMA Industry Arabia, KSA
Client	Mitsui Engineering & Shipbuilding Arabia Ltd. (MESAR)
Owner	NAMA, KSA
Project Duration	15 months (Jan 96 - Mar 97)
Participation	QA/QC Manager
Scope	Construction Works:
	<ul> <li>3.050 m<sup>3</sup> concrete pouring</li> </ul>
	<ul> <li>780 ton steel erection,</li> </ul>

- 420 ton eguipment installation,133 ton piping prefabrication and erection works (21.000 WDI),
- 18.000 m<sup>2</sup> painting works,
   All precommissioning activities and site assistance to commissioning team.

# Pipe Line Project

#### GREAT MAN-MADE RIVER BINGAZI SECTION CATHODIC PROTECTION WORKS

Location EPC Contractor Client Owner Project Duration Participation Scope Bingazi-Tazerbo, Libia
GAMA Industrial A.S.
Marubeni, Japan
GMR Authority, Libia
21 months (Mar 02 - Dec 03)
Site Manager
EPC Works for overall cathodic protection works includes;
Engineering Management, Procurement of all Equipment and Systems, Construction
Management and Supervision, Commissioning

- Works
- = 24.175 holes (150 mm, h-8,9 m)
- 274.000 meter cabling
- 4.500 m<sup>3</sup> gypsum-bentonite mixture
- Total 148 km pipeline





#### DISI AMMAN WATER CONVEYANCE LINE PROJECT

Location	Mudawarra-Amman, Jordan
EPC Contractor	GAMA Power Systems
Client	GAMA Energy Water International B.V Halcrow
PMC	54 months (Jul 09 - Jan 14)
<b>Project Duration</b>	Board Member of Client
Participation	Deputy Managing Director
Scope	<ul> <li>Deputy Project Manager of EPC Contractor</li> <li>EPC Works for overall investment of 100 million m<sup>3</sup> water supply per annum includes</li> </ul>
	<ul> <li>Engineering Management, Procurement of all Equipment and Systems, Construction</li> </ul>
	<ul> <li>Management and Supervision, Commissioning and Start-up Works</li> </ul>
	55 wells each appr. 550 meter in depth

- 356 km steel water pipeline
- 2 pump stations for forwarding

# Other Industrial Plants



#### EPCC CEMENT PLANT

Location Contractor Client Owner Project Duration Participation Scope Al Khursaniyah, Saudi Arabia GAMA Industry Arabia, KSA Consortium with Thyssen-Krupp Polysius Eastern Province Cement Company, KSA 26 months (Sept 03 - Nov 05) Project Engineering for Contractor Construction Works: • 37.400 m<sup>3</sup> concrete pouring,

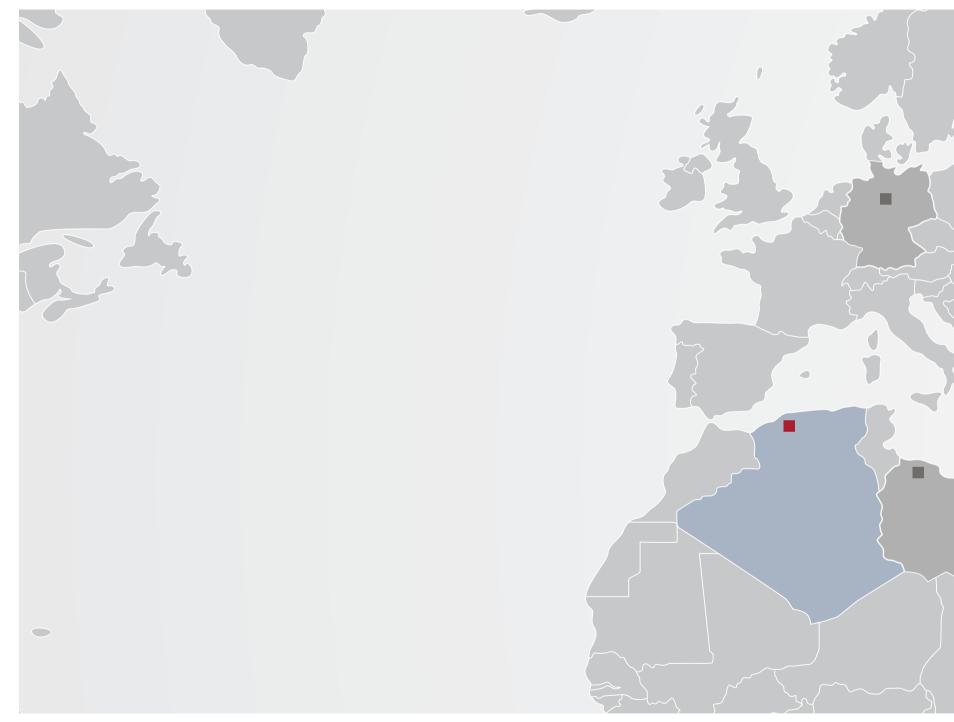
- 4.070 ton steel erection,
- 9.010 ton eguipment installation,
- All related electrical and instrument installation works,
- All precommissioning activities and site assistance to commissioning team.

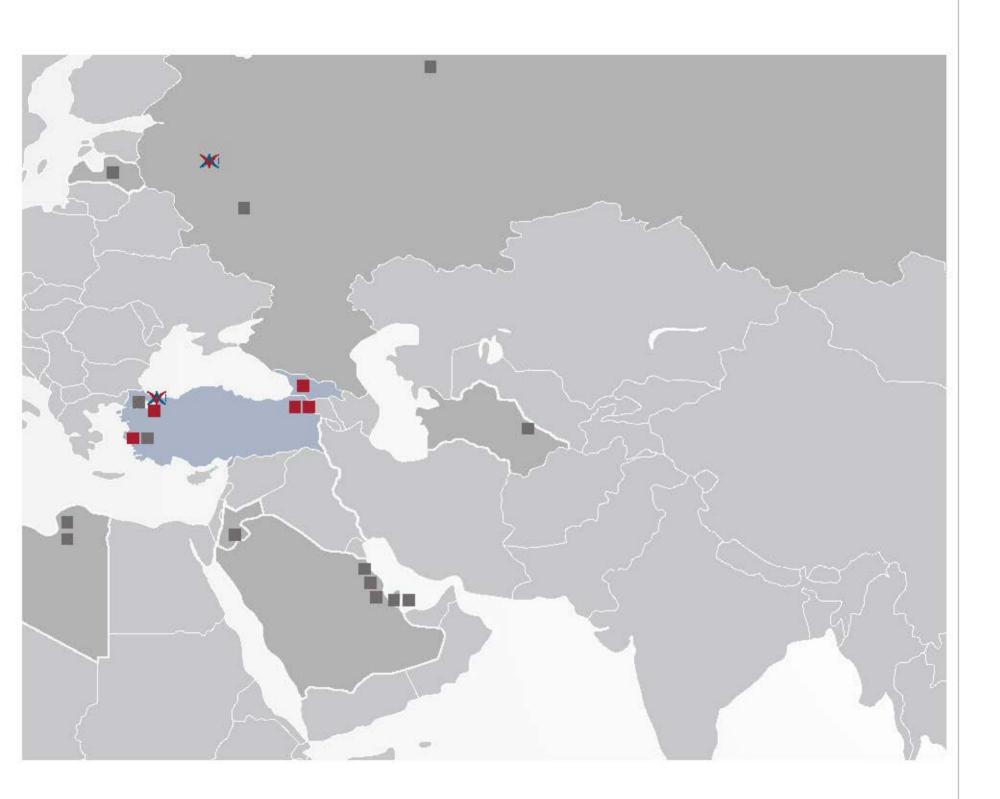
















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