

AN HEAVY INDUSTRY & CONSTRUCTION



www.anincons.com

REPUBLIC OF IRAQ
Ministry of trade
Registrar of companies



جمهورية العراق
وزارة التجارة
سجل الشركات الأجنبية

Foreign Companies Section
CD : 5732
Date :05/03/2020

قسم الشركات الأجنبية
م.ش : ٥٧٣٢
التاريخ : ٢٠٢٠/٠٣/٠٥

أجازة تسجيل فرع شركة أجنبية
Registration License of Forgein Company's Branch

بناء على ما جاء بالقرار المرقم م.ش/ ٥٧٣٢ والمورخ في ٢٠٢٠/٠٣/٠٥ القاضي
بتسجيل فرع في العراق لشركة:

ان بروجيا للمقاولات الانشائية والتصميم المعماري التجارية المحدودة
AN PROJE INSAAT MIMARLIK TASARIM TICARET LTD STI

المؤسسة في تركيا

أني مسجل الشركات قررت الموافقة على تسجيل الفرع المذكور واصدرت هذه الاجازة استنادا
لاحكام المادة (3- خامسا) من نظام فروع الشركات الاجنبية رقم (2) لسنة 2017.

صدرت في بغداد لليوم ٥ من شهر آذار لسنة ٢٠٢٠ م

ملاحظة : ان منح هذه الشهادة لا يعني ممارسة النشاط بدون الحصول على الموافقات والتراخيص
اللازمة من الجهات القطاعية المختصة.

مجاهد محمد شافي العيفان
مسجل الشركات

٢٠٢٠/٣/٥

الرقم الضريبي

901706850



رقم الضمان

95070192



Global Quality Certification Ltd.
ISO certification body provider

CERTIFICATE OF REGISTRATION

This is to Certify that the Quality Management Systems of
AN HEAVY INDUSTRY & CONSTRUCTION

Jadria Section 231 Street 28/87, Baghdad - Iraq
has been assessed by GQC Ltd. certification service and found to comply with



ISO 9001:2015

SCOPE OF CERTIFICATION

Engineering, Procurement, Construction, Installation and Commissioning (EPCIC)
of all kind of industrial projects (IAF CODE 35)



License No: QC 3728-24
Issue Date: July 28, 2024
1st Audit: July 28, 2025
2nd Audit: July 28, 2026
Expiry Date: July 27, 2027

President

Global Quality Certification Ltd GQC



GQC Ltd.
Global Quality
Certification Ltd.
ISO certification body provider

Global Quality Certification Ltd.®
This certificate verifies the original certificate issued and is valid as long as it is displayed
as an electronic copy at www.gqcl.co.uk and surveillance audits are satisfactorily completed.

20-22 Wenlock Rd, London N1 7GU, United Kingdom
info@gqcl.co.uk | www.gqcl.co.uk



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API SPEC Q2

SCOPE OF CERTIFICATION

Engineering, Procurement, Construction, Installation and Commissioning (EPCIC)
of all kind of industrial projects



License No: API 3731-24
Issue Date: July 28, 2024
1st Audit: July 28, 2025
2nd Audit: July 28, 2026
Expiry Date: July 27, 2027


President
Global Quality Certification Ltd GQC



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CERTIFICATE OF REGISTRATION

This is to Certify that the Occupational Health and Safety Management Systems of
AN HEAVY INDUSTRY & CONSTRUCTION

Jadria Section 231 Street 28/87, Baghdad - Iraq
has been assessed by GQC Ltd. certification service and found to comply with



ISO 45001:2018

SCOPE OF CERTIFICATION

Engineering, Procurement, Construction, Installation and Commissioning (EPCIC)
of all kind of industrial projects (IAF CODE 35)



License No: SM 3730-24
Issue Date: July 28, 2024
1st Audit: July 28, 2025
2nd Audit: July 28, 2026
Expiry Date: July 27, 2027


President
Global Quality Certification Ltd GQC



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CERTIFICATE OF REGISTRATION

This is to Certify that the Environmental Management Systems of

AN HEAVY INDUSTRY & CONSTRUCTION

Jadria Section 231 Street 28/87, Baghdad - Iraq

has been assessed by GQC Ltd. certification service and found to comply with



ISO 14001:2015

SCOPE OF CERTIFICATION

Engineering, Procurement, Construction, Installation and Commissioning (EPCIC)
of all kind of industrial projects (IAF CODE 35)



License No: EM 3729-24
Issue Date: July 28, 2024
1st Audit: July 28, 2025
2nd Audit: July 28, 2026
Expiry Date: July 27, 2027

President

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ISO certification body provider

CERTIFICATE OF REGISTRATION

This is to Certify that the EPCC Process Management of
AN HEAVY INDUSTRY & CONSTRUCTION

Jadria Section 231 Street 28/87, Baghdad - Iraq

has been assessed by GQC Ltd. certification service and found to comply with



EPCC

SCOPE OF CERTIFICATION

Engineering, Procurement, Construction, Installation and Commissioning (EPCIC)
of all kind of industrial projects



License No: EPCC 3732-24
Issue Date: July 28, 2024
1st Audit: July 28, 2025
2nd Audit: July 28, 2026
Expiry Date: July 27, 2027

President

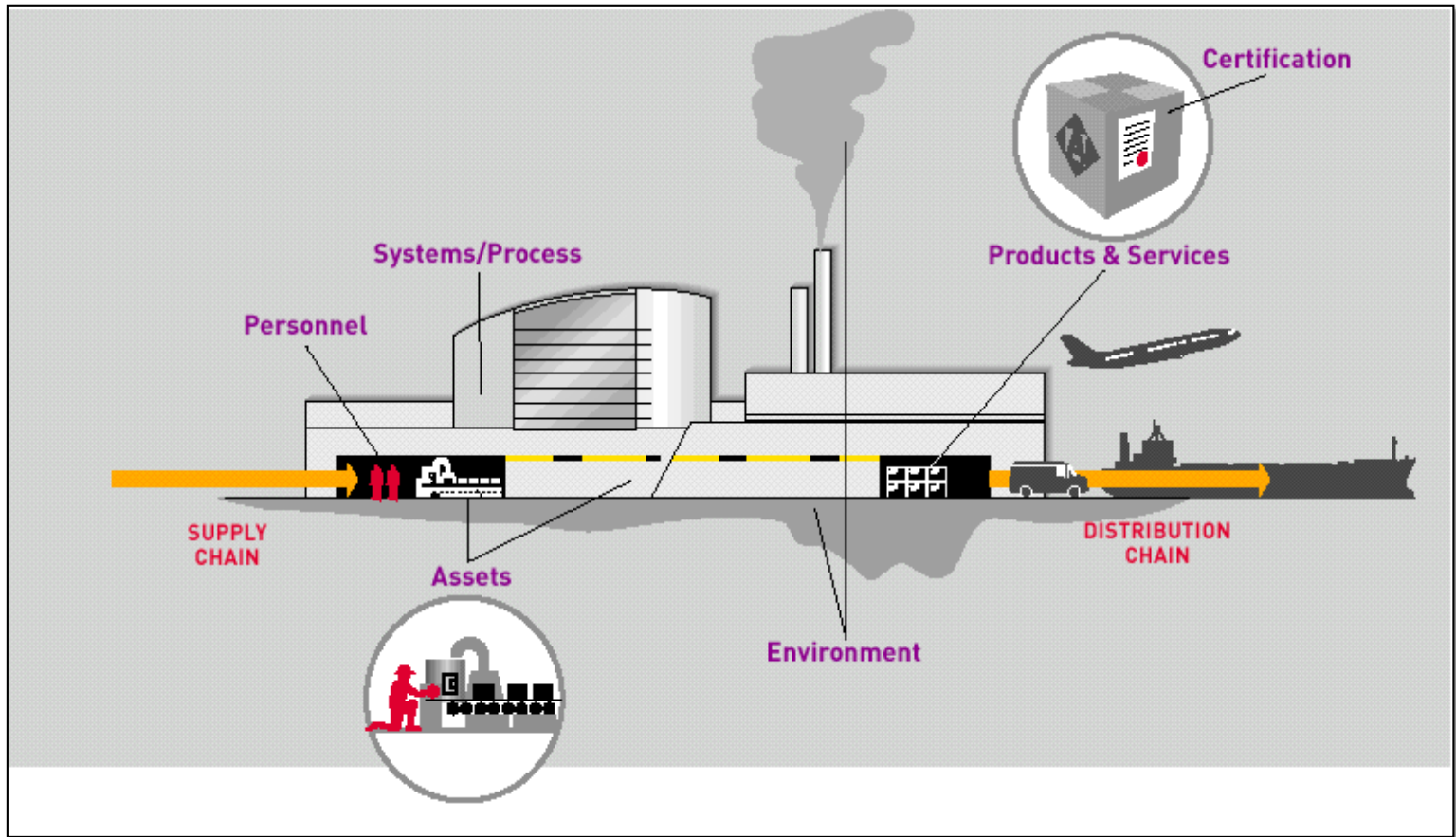
Global Quality Certification Ltd GQC



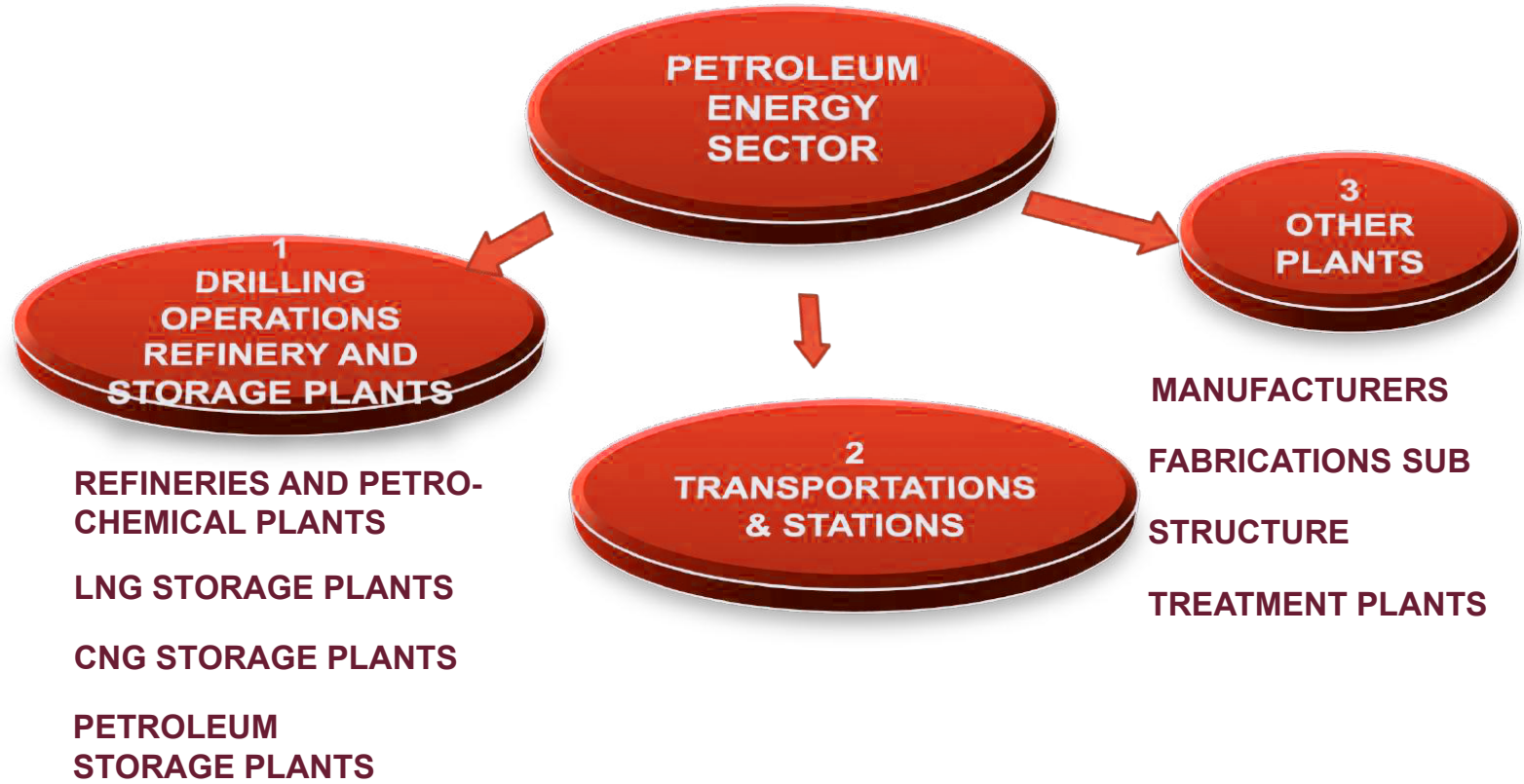
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SCOPE OF SERVICE FOR REFINERY AND INDUSTRIAL PROJECTS



SCOPE OF SERVICE FOR PETROLEUM & ENERGY SECTORS



STORAGE FACILITIES & PIPELINES
INSPECTIONS AND QUALITY CONTROL SERVICES
(OIL-GAS -LNG - CNG AND PETROLEUM FACILITIES)



Third Party Inspection Services



Supplier Audit and Control
(Online Supplier Management)



Legal Compliance Evaluation



Non-Destructive Testing (NDT)



Periodical Inspections



Fire Protection Systems Approval
and Periodic Inspection



QA/QC Services



Management Systems
Certifications



Factory Qualification Assessment
and Approval



Welders and Operators
Certification



Tank & Pipelines Inspections
Thickness Measurements &
Corrosion Controls



HSE Qualification Assessment



Product Conformity Assessments



Training Services

PERSONNEL

We have following multi disciplines experienced certified Engineers/Personnel for Design, Engineering and Project Management, Third Party Inspection & Quality Control Services:

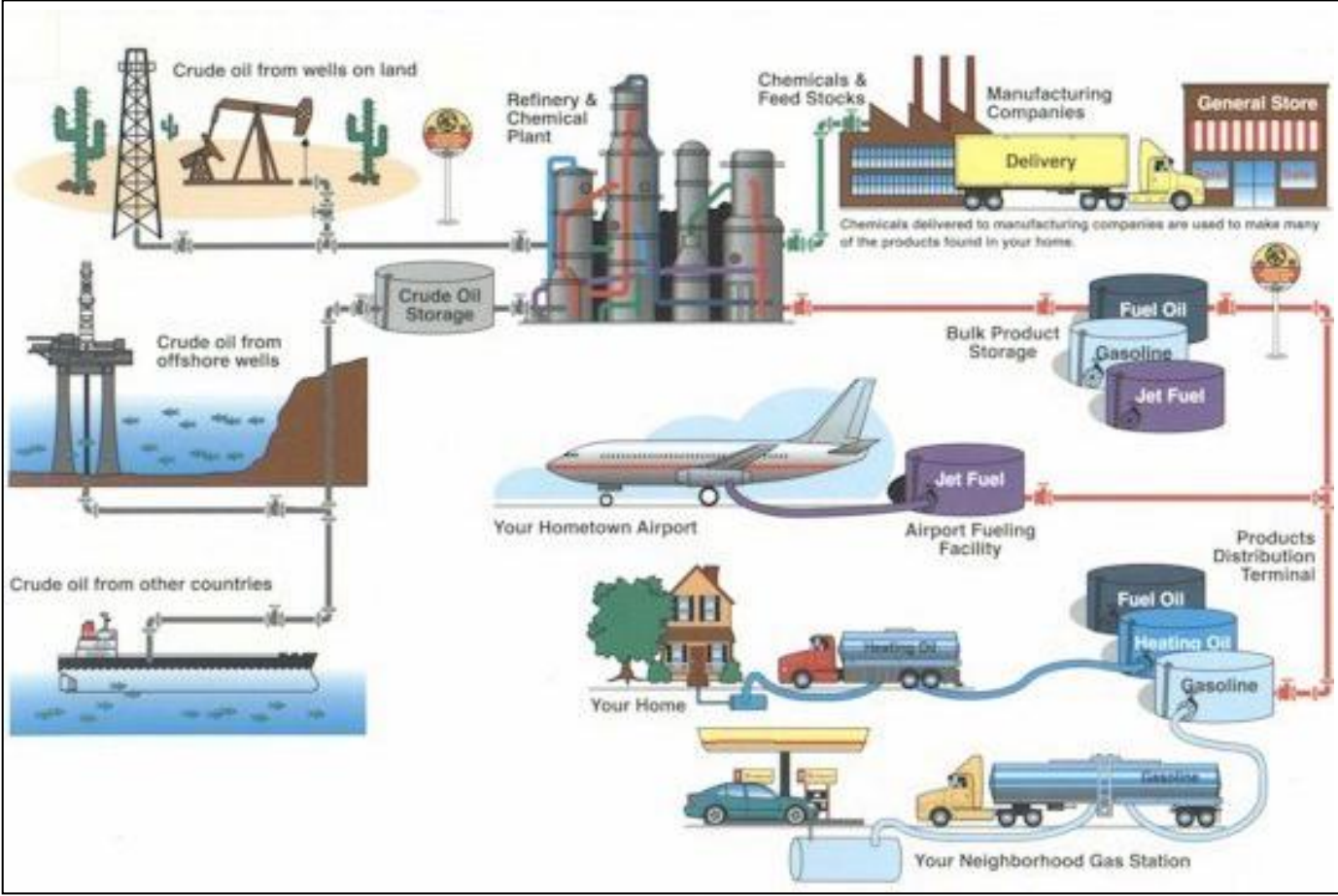
- **Mechanical Engineers**
- **Metallurgical & Material Engineers**
- **Civil Engineers**
- **Electrical & Electronic Engineers**
- **Instrumentation & Automation Engineers**
- **Architects**
- **Welding Engineers**
- **NDT Experts (Level 2, Level 3 certified)**
- **Auditors**
- **Technicians**

AN HEAVY INDUSTRY & CONSTRUCTION INSPECTION

An Heavy Industry & Construction Inspection is accredited as a EN ISO/IEC 17020 Type A Inspection Company and as a EN 17021 System Certification Company

An Heavy Industry & Construction Inspection has been given a international supervision position by Trade Ministry General Directorate of Product Safety and Inspection. Concerning the services with respect to this scope, goods can be exported, imported or rejected throughout the world without any problem.

An Heavy Industry & Construction Inspection has got “Construction and Service Certificate” from Energy Market Regulatory Authority. (EPDK)



A- Project management, operational program and management, technical consultancy- supervision services

B- Engineering, Technical Consultancy, Supervision and Control Services

- Feasibility Studies,
- Engineering and Design
- Determination of the engineering approach criteria
- Basic Engineering Services
- Detailed Engineering Services
- Operation Concultancy
- As Built Project
- Preparing of Specifications and instructions
- Project Financial Analysis

C- Technical Consultancy, Supervision and Control Services

D- Providing QA/QC Team during manufacturing, installation and commissioning stages.

E- HSSE (Health, Safety, Environment and Security) qualification assessments of contractors and contractors- Qualification assessments of contractors and contractors

F- Third party inspection and quality control services for all manufacturing and installation phases in accordance with the relevant projects and specifications

- Process Equipment
- Process Units
- Storage Tanks
- Pipelines
- Pressure Equipments
- Steel Construction Products
- Fire Protection Systems

G- Material and Factory Production Control Services (from all countries)

- Evaluation and approval of the material technical specification
- Factory controls during manufacturing
- Final inspection and material acceptance
- Certificate Controls
- Material control during manufacturing

DESIGN & ENGINEERING SERVICES

An Heavy Industry & Construction provide design and engineering services taken into the EPC phase. An Heavy Industry & Construction provide perform value design and engineering to ensure investments are not only lowest but moreover creating best shareholders value.

The main scopes for project, design and engineering services are as follows:

- Conceptual design or feasibility
- Front-end engineering and design (FEED) services, Basic Engineering services
- Detail Engineering services
- Providing Process Flow Diagrams (PFDs)
- Providing Process & Instrument Diagrams (P&ID's)
- Providing Layout drawings (incl. 3D model)
- Providing Cost estimates and risk/opportunity assessment

An Heavy Industry & Construction provides front-end engineering and design (FEED) services to its Clients based on selected technologies. The integrated solutions will provide the Client the possibility to manage their internal business drivers and to continue with the FEED package towards the Execution Phase. The FEED is an Basic Engineering which comes after the conceptual design or feasibility. The FEED design focuses on the technical requirements as well as investment cost and project execution plan for the project based on quantities, references of previous projects and market input. The FEED package is used as the basis for bidding the Execution Phase (EPC, EPCI, etc).

PROJECT MANAGEMENT SERVICES

An Heavy Industry & Construction is committed to being your engineering and project partner of choice through superior project management processes, which deliver technologically advanced solutions for cutting-edge processing facilities.

An Heavy Industry & Construction offers its processing industry partners the benefits of proven project management processes and tools, which have been designed according to industry best practices, so that we:

- Minimize risks such as accidents or environmental incidents
- Stay on budget with costs at each step carefully managed
- Be on schedule to deliver to customers at the right moment
- Guarantee superior quality adapted to customer needs

NON-DESTRUCTIVE TESTING (NDT) SERVICES

We provide nondestructive testing for refinery and industrial plants, storage tanks and pipelines projects for the following methods in manufacturing stages and periodical control stages with ISO 9712 and ASNT SNT-TC-1A certified technically qualified, high-skilled staffs .

- Visual Inspection (VT)
- Magnetic Particle Inspection (MT)
- Liquid Penetrant Inspection (PT)
- Radiographic Inspection (RT)
- Ultrasonic Inspection (UT)
- Advance NDT Testing Applications



PERIODICAL CONTROL AND CORROSION CONTROL SERVICES

- **Fire Protection Systems Periodical Controls**
- **Pipelines Corrosion Control Services with Intelligent Pig Equipments**
- **Tank Bottoms and Shell Plates Corrosion Control**
- **Boiler and Pressured Equipments Periodical Controls**
- **Lifting & Transmitting Machinery Periodical Controls**
- **Cathodic Protection System Controls**
- **Due Diligence Reporting**
- **Current Conditions Control and Supervision Services**



FOR JETTY & PORTS SCOPE OF SERVICE

An Heavy Industry & Construction Inspection can provides but not limited following service in Jetty, Piers, Dolphin and Port Projects:

- Third Party Inspection Services
- Subcontractor and Factory Audits
- Manufacturing Inspection and Supervision Services
- Project Management Services
- Engineering Services (Basic & Detail Engineering)
- Technical Consultancy & Supervision Services
- HSSE Assessment Services
- Quality Control & Non-Destructive (NDT) Testing Services
- Design&Project Control and Approval Services
- Fire Protection System Control ve Certification Services

SUSTAINABILITY

QUALITY ASSURANCE

CUSTOMER SATISFACTION

PRODUCTIVITY

PROCUREMENT MANAGEMENT

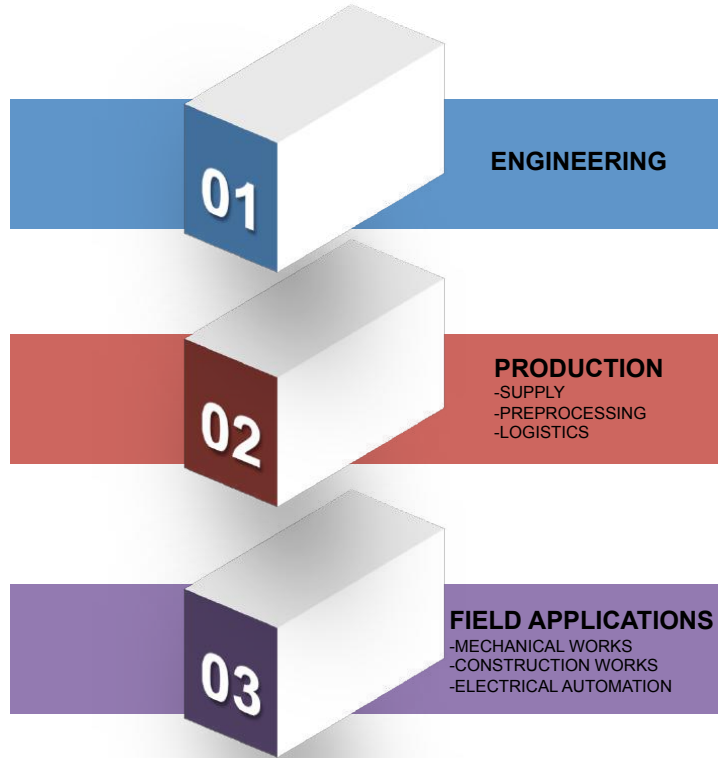
TRACEABILITY

PERSONNEL TRAINING AND CERTIFICATION SERVICES

TRAINING AND CERTIFICATION SERVICES FOR:

- **WELDERS & OPERATORS**
- **NDT PERSONNEL (RT,UT,VT,PT,MT)**
- **MECHANICAL WORKERS**
- **HSSE EXPERTS**
- **MACHINE OPERATORS**
- **LABORATORY PERSONNEL**
- **QUALITY CONTROL PERSONNEL**
- **CNC OPERATORS**
- **MAINTENANCE WORKS PERSONNEL**
- **ELECTRICIANS**
- **CONSTRUCTION TECHNICIANS**
- **FIRE SAFE PERSONNEL**
- **MANAGEMENT SYSTEMS INTERNAL AUDITORS & AUDITORS**

**AN HEAVY INDUSTRY & CONSTRUCTION
SERVICES FOR
EPC CONTRACTING PROJECTS
*(together with cooperation sister companies)***



AREA OF ACTIVITIES

-INDUSTRIAL FACILITY INSTALLATIONS

- Mechanical assembly works
- Pre-manufacturing
- Field applications
- Machine equipment assemblies
- Mechanical piping works
- Electricity-automation works
- Construction works

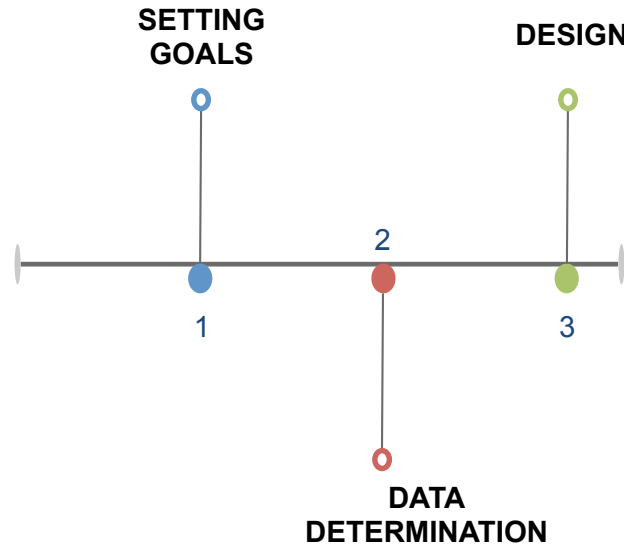
-PIPELINES CONSTRUCTION WORKS

ENGINEERING

ENGINEERING WORKS

Engineering works constitute the first step of all of our applications and have a very high significance level, as all of project applications will be built on such engineering works. Minor faults that may be made at this point will result in major problems at subsequent stages of the project.

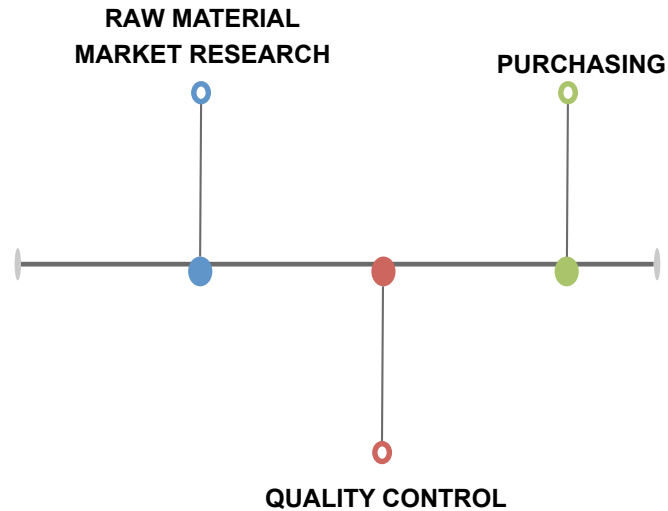
Data of tanks is collected in line with goals achieved considering the size of site, type of products, Daily manufacturing, sales and values. Engineering works are designed based on such data. Design activities are fullt performed within Teknik.



ENGINEERING



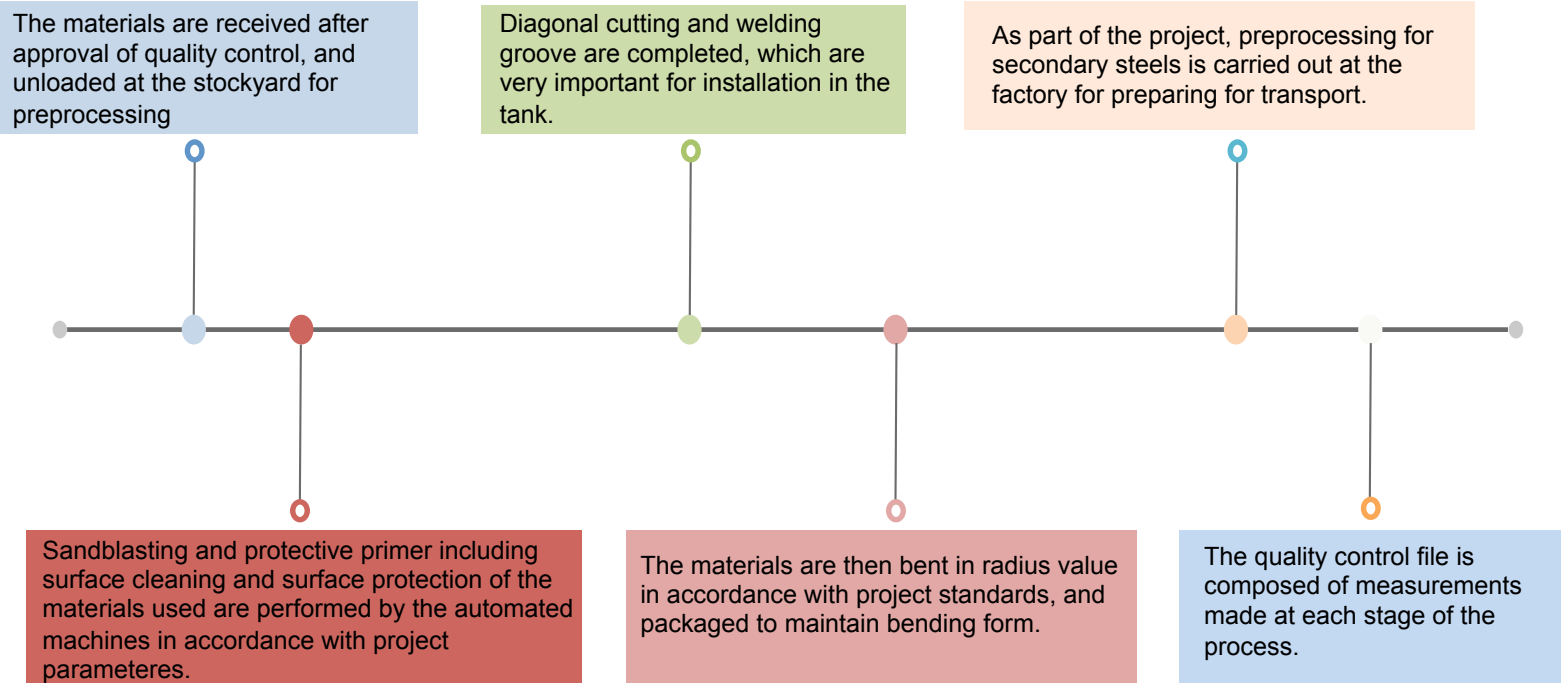
MANUFACTURING ACTIVITIES- SUPPLY PROCESS



An Heavy Industry & Construction has improved itself day-by-day to quickly supply a variety of materials in qualities changing based on regional conditions and projects in accordance with applicable standards.

The materials are supplied directly from Europe, Far East countries, and particularly from local manufacturers of steel.

MANUFACTURING ACTIVITIES- PREPROCESSING PROCESS



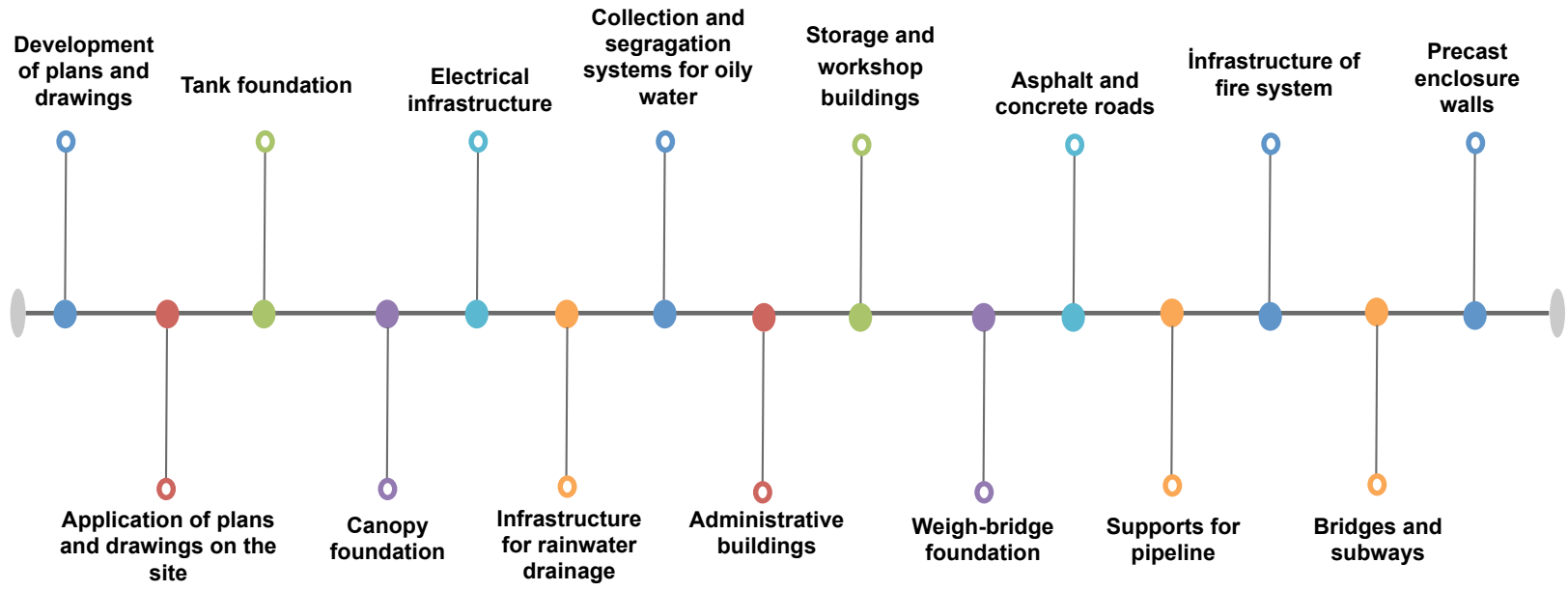
MANUFACTURING ACTIVITIES- PREPROCESSING PROCESS



FIELD APPLICATIONS

CONSTRUCTION WORKS

Application and then construction works are carried out in accordance with plans and projects developed based on topographic values from the site and ground survey values.



FIELD APPLICATIONS



FIELD APPLICATIONS

ELECTRICAL and AUTOMATION WORKS

The automation systems are a must in today's world and used in our facilities. Monitoring and supervision modulations are formed to minimize error rates and ensure ergonomic working conditions. In this way, we design and install electrical and electronic systems, which are the heart of our facilities, with modern devices.

Monitoring system for tank level with radar



Filling automation



Weigh-bridge entry/exit automation



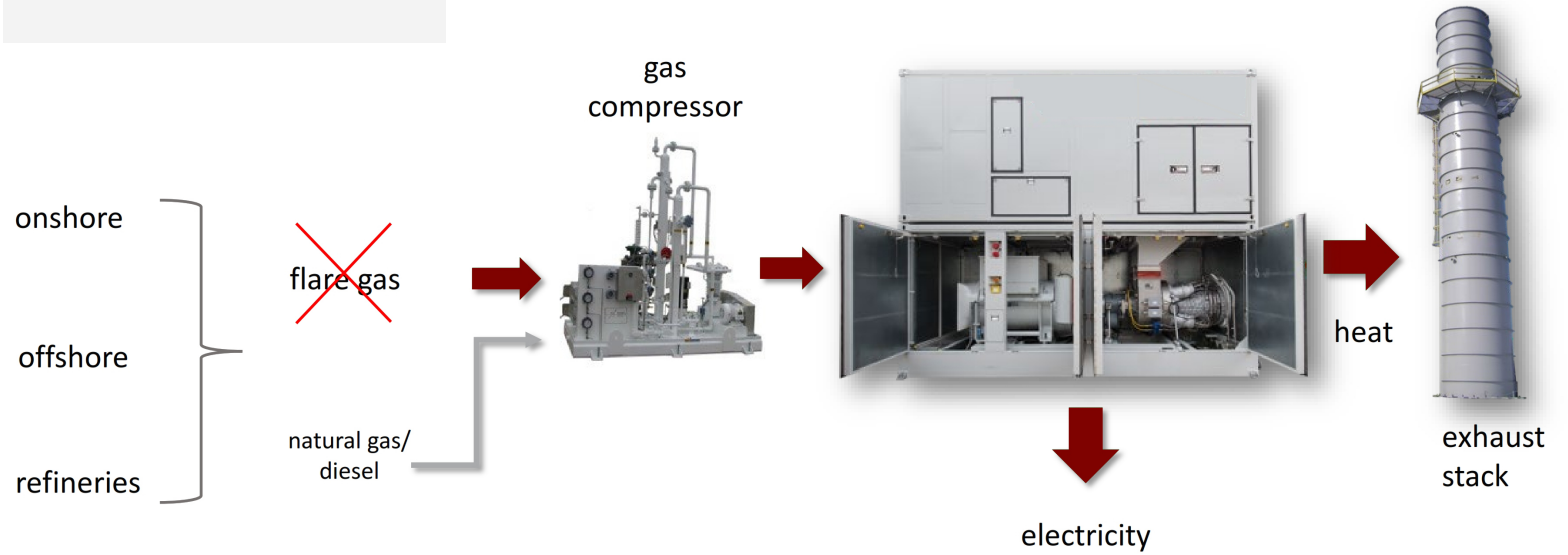
FLARE GAS RECOVERY



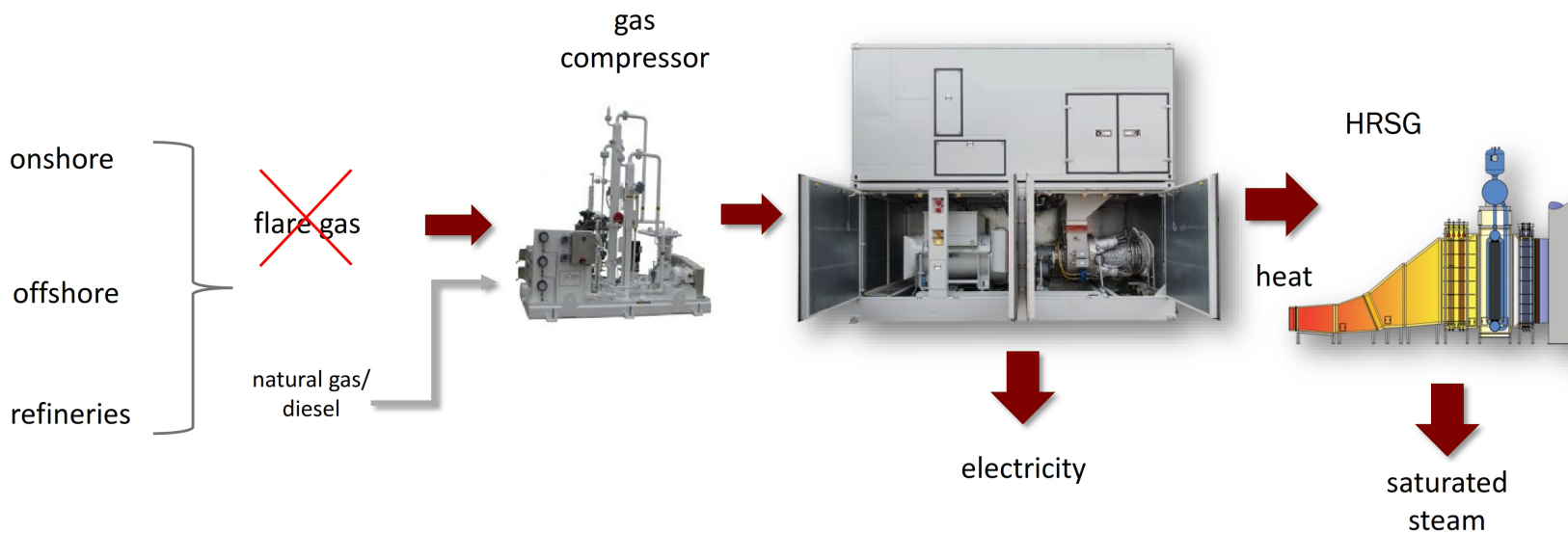
Upstream: Well-head Gas

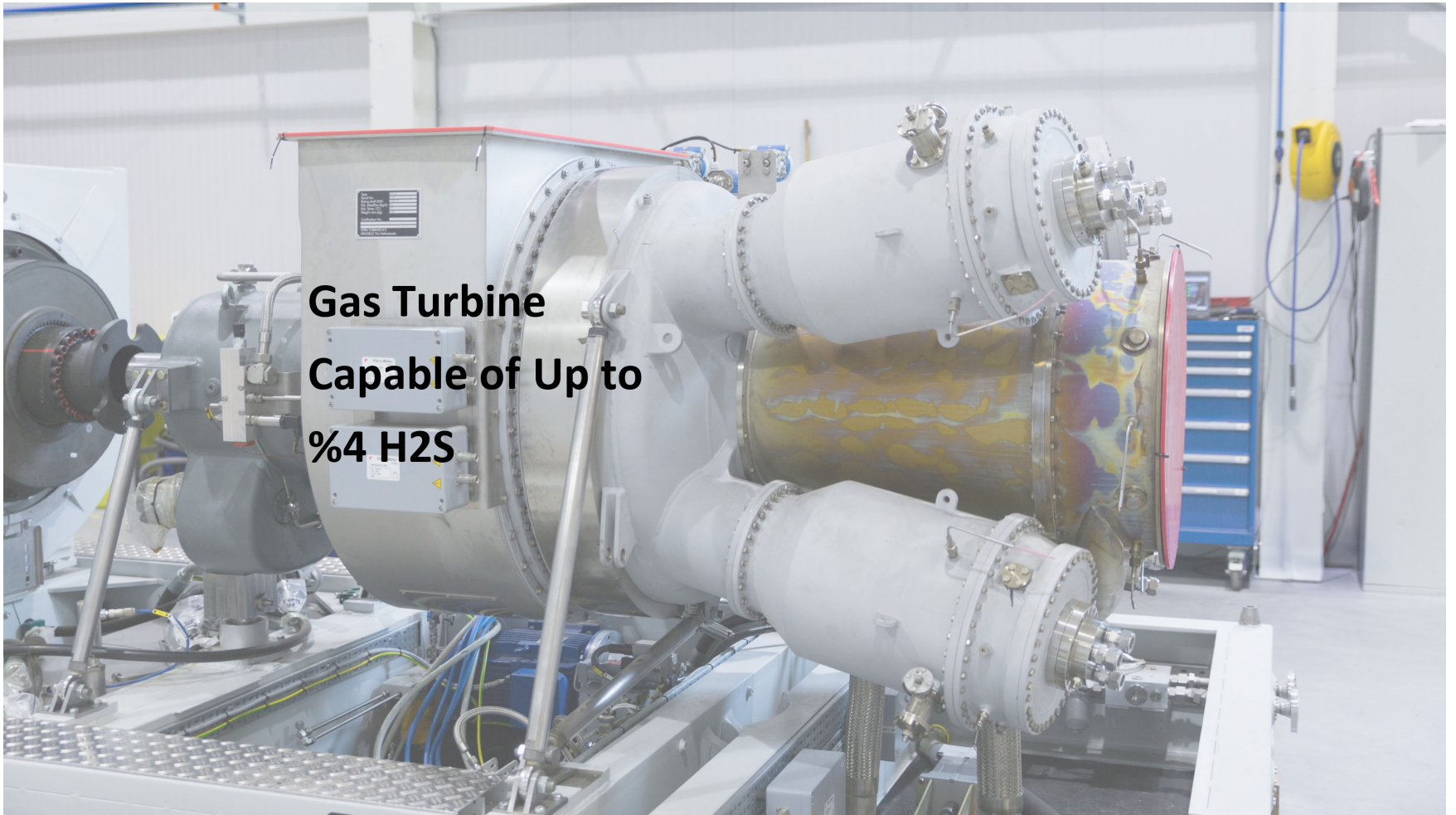
- Combustible gas found in well-heads usually dissolved in the oil as a by-product,
- 150 billion cubic meters of associated gas flared & vented annually,
- This is equivalent to about 30% of the annual natural gas consumption in the EU,
- 400 million tons of carbon dioxide (CO₂) are emitted annually by flaring of well-head gases.

Flare to Power Solution



Flare to CHP Solution





**Gas Turbine
Capable of Up to
%4 H₂S**

Fuel Flexibility

- Low fuel gas pressure necessary (6.7 ratio),
- Low emission (Premix) combustors available,
- Low BTU fuel gases possible (>5 MJ/kg).

High CHP Capability

- High exhtemperature (573 °C / 1063 F)'
- High heat to power ratio (1.8 MWeI + 5.3 MWth)'
- Oil free exhaust flow guaranteed (direct dryingaust).

Small Footprint

- Easy installation (2x 20 ft containers),
- Compact and low weight,
- Few moving parts,
- No cooling water needed.

High CHP Capability

- All radial,
- Overhaul only after 40,000 hrs,
- Long bearing life (overhung design),
- Combustors easy to access.



- 20 ft integrated standard package,
- Mobile – easy transportation,
- Quick installation and commissioning,
- Standard pre-engineered options,
- Integrated oil cooler,
- Ability to handle extreme ambient conditions,
- Low foundation requirements,
- Fully tested string before dispatch.





Off-base Control System



Short Control Room

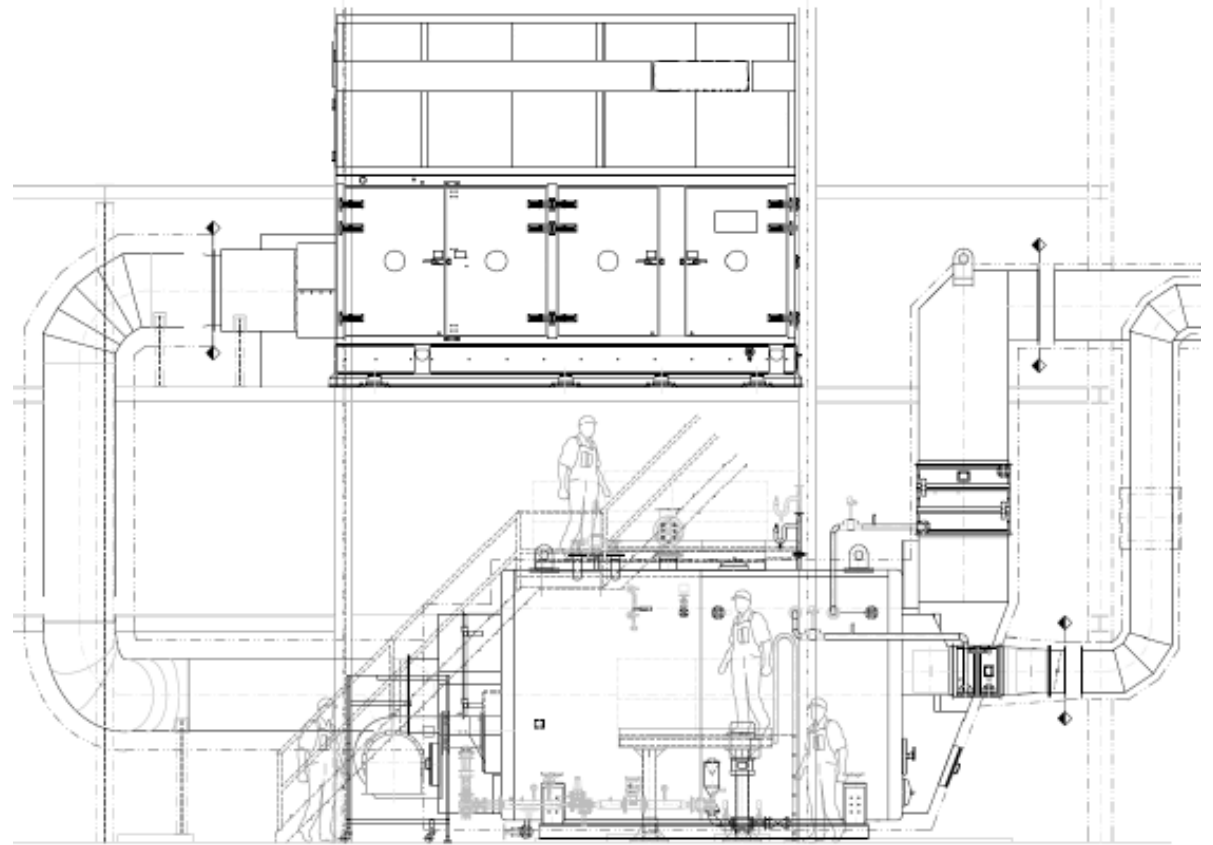


Integrated Control Room



Long Control Room

**The Package Is
Lightweight And
Vibration Free**



Remote Monitoring Center



Data acquisition

- PLC data
- Vibrations
- Grid data
- Alarms / Events



Data transfer and storage

- VPN
- Firewalls
- Historical data server



Data analysis, diagnostics and prognostics

- Surrogate model
- Adaptive monitoring



Predictive maintenance

- Machine learning



As A Long Term Service Partner

- Scheduled and unscheduled service,
- 24/7 support,
- Continuous equipment health monitoring,
- Spare engines including 9m EUR of spare parts,
- Testing capabilities for core engine overhaul and repair,
- Upgrade potential on controls, combustion, emission technology.

**Flexible In Fuel
& Reliable In
Operation
Oil & Gas**



Upstream

- On-site power generation for,
- Cogeneration (heat & power).



Midstream

- [onshore] On-site power generation for pipeline compressor stations,
- [offshore] On-site power generation for oil tankers.



Downstream

- On-site power generation for refineries,
- Cogeneration in refineries,
- Electricity & steam for processes



AN HEAVY INDUSTRY & CONSTRUCTION INSPECTION

An Heavy Industry & Construction is independent, international Third Party Inspection, Quality Control, Testing, Engineering, Project Management and Certification company. ***An Heavy Industry & Construction*** was established in 2003 to service of project, inspection, quality control, engineering and training facilities for manufacturer and metal industry, energy, petrol- petrol products, oil and gas sectors.

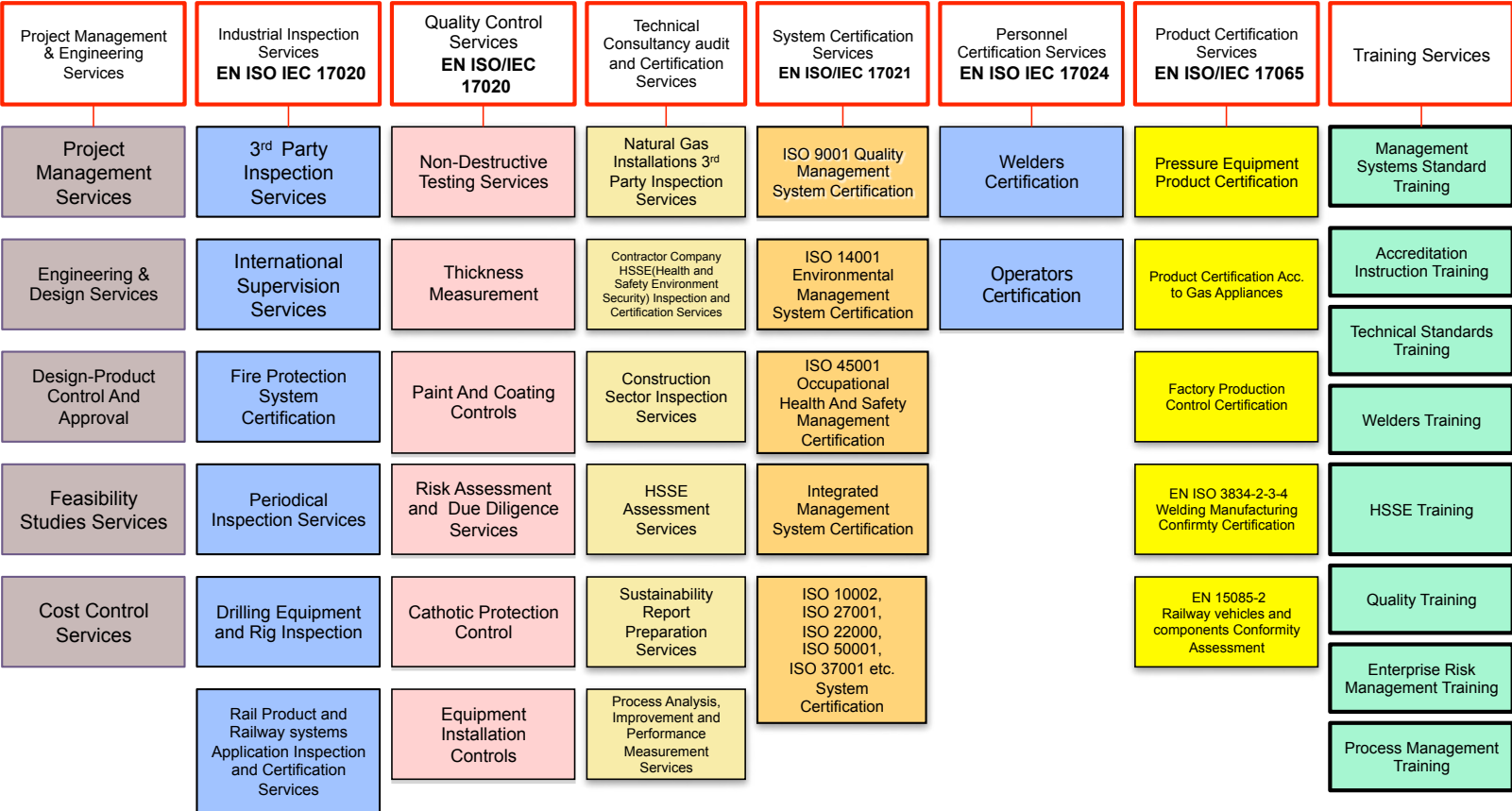
We can provide project, engineering third party inspection, quality control and certification services for following sectors:

- Refinery & Petrochemical Industry
- Energy Sector (Solar, Wind, Biomass, Nuclear, Thermal, Hydropower and Combined Cycle Power Plants)
- Industrial Plants
- Jetty and Port Projects
- Pipelines Projects
- Storage Plants, Storage Tanks
- Steel Construction Plants
- Steel & Iron Industry
- Defence Industry
- Maritime Industry
- Machinery Industry
- Commodity Industry



- Third Party Inspection Services
- Project Management Services
- Engineering Services (Basic & Detail Engineering)
- Technical Consultancy & Supervision Services
- HSSE Assessment Services
- PSI- Pre-Shipment Inspection Services
- CBCA- Consignment Base Conformity Assessment Services
- Quality Control & Non-Destructive (NDT) Testing Services
- Design&Project Control and Approval Services
- Personnel Certification Services
- Fire Protection System Control ve Certification Services
- Management System Certification Services

AN HEAVY INDUSTRY & CONSTRUCTION SERVICE STRUCTURE



**SOME OF OUR
FLARE GAS COMPLETED
PROJECTS**

**2 Units At An Oil
Field Above The
Polar Circle**



**2 Units At An Oil
FPSO in Brazil**



**8 Units At A
Natural Gas
Field**



**8 Units on An Oil
Field in Russia**



Spirit Energy – North Sea J6A Platform



- Replacement of KG2-3C gas turbine,
- Main power supply for the entire platform,
- Dual fuel requirement; Natural Gas & Diesel,
- Meeting highest Emission legislation on the North Sea,
- Short delivery time,
- Adapting to customer needs on space requirements.

**Critical Power for
Midstream Gas
Processing Plant**



**Continuous Heat
And Power From
Sour Associated Gas**



**Uninterrupted
Power
In Remote Arctic
Location**



OPRA OP16 Reference -- External copy

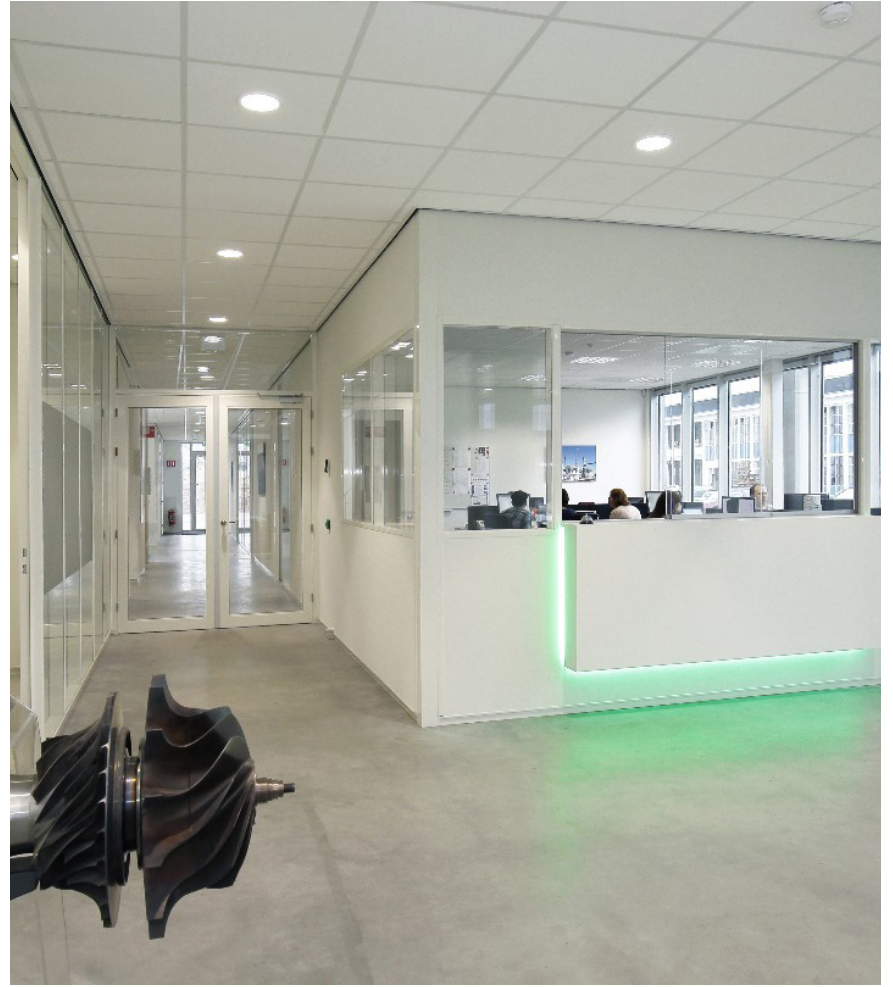
Number of OP16	Order Date (Contract Signed)	Commissioning Date	Site / application	Country
8	2005-2008	2005-2009	Oil & gas onshore	Russia
1	2012	2013	Power generation	Germany
8	2009-2010	2010	Oil & gas onshore	Russia
7	2007	2008	Oil & gas onshore	Russia
6	2005-2007	2007-2008	CHP, commercial	Russia
4	2009	2010	Oil & gas offshore	Iran
3	2005	2007	Oil & gas offshore	Brazil
3	2007	2008	Oil & gas offshore	UK
3	2007	2010	Oil & gas onshore	Russia
3	2008-2010	2016	Oil & gas onshore	Russia
2	2004	2005	Oil & gas onshore	Russia
2	2006	2006	Power generation	Russia
2	2006	2007	Oil & gas offshore	UK
2	2007	2009	Oil & gas onshore	Russia
2	2009	2010	Oil & gas onshore	Iran
2	2009	2010	Power generation	Russia
1	2005	2006	Oil & gas offshore	Netherlands
1	2006	2009	CHP, industrial	Russia
1	2008	2009	CHP, industrial	Netherlands
1	2009	2010	Power generation	Norway
1	2010	2011	External Combustor	Germany
1	2011	2012	CHP, industrial	Belarus
1	2011	2012	CHP, industrial	Germany
1	2011	2012	CHP, industrial	Germany
1	2011	2012	CHP, industrial	Romania

1	2013	2013	CHP, industrial	Estonia
2	2011	2012	CHP, industrial	Indonesia
6	2012	-	CHP, industrial	Russia
2	2012	2017	CHP, industrial	Russia
1	2013	2014	CHP, industrial	Netherlands
2	2014	2016	Oil & gas onshore	Russia
1	2014	2015	CHP, industrial	Germany
2	2014	2017	Oil & gas offshore	Indonesia
1	2014	2015	CHP, industrial	USA
1	2014	2015	CHP, industrial	Germany
1	2014	-	Hybrid Solar	France
1	2015	2017	Oil & gas onshore	Russia
1	2015	2016	CHP, industrial	Germany
1	2015	2016	CHP, industrial	Germany
2	2015	2016	CHP, industrial	China
1	2015	2016	CHP, industrial	China
10	2016	-	CHP, industrial	China
1	2016	2017	CHP, industrial	Italy
1	2016	2017	CHP, industrial	Italy
10	2017	-	CHP, industrial	China
2	2016	2017	Oil & gas offshore	Indonesia
1	2018	2019	CHP, industrial	Argentina
4	2018	2019	Marine	Netherlands
1	2019	to be commissioned	Oil & gas offshore	Europe
3	2019	2020	Oil & Gas Midstream	USA
2	2021	to be commissioned	CHP, industrial	USA
2	2021	to be commissioned	Oil & Gas Upstream	USA
1	2022	to be commissioned	Oil & Gas Offshore	Gabon
1	2022	to be commissioned	Waste to Energy	Netherlands



**TURBINE
PRODUCTION
FACILITY**







**AN HEAVY INDURSTRY & CONSTRUCTION
REFERENCES FOR
INDUSTRIAL PROJECTS, REFINERY AND
OIL&GAS SECTORS AND
ONSHORE-OFF SHORE PROJECTS**

INTERNATIONAL COMPANIES WE HAVE QUALIFIED

- **KUVEYT ENERJİ**
- **DNO**
- **OMV**
- **ENI**
- **SAIPEM**
- **SOCAR**
- **AGOCO (Arabian Gulf Oil Company)-Libya**
- **ASAWER Oil & Gas – Sudan**
- **WNPOC (White Nile Petroleum Operating Co.)**
Partners in WNPOC are PETRONAS, ONGC Videsh Ltd. (OVL) and SUDAPET)
- **SK E&C – Kore**

SOME OF OUR CLIENTS



**AN HEAVY INDURSTRY &
CONSTRUCTION
REFERENCES FOR
REFINERY AND OIL&GAS SECTORS
AND
ONSHORE-OFF SHORE PROJECTS**

HAYAN PETROL REFINERY PROJECT

- Hayan Petrol Project-Syria
- Project Management, Engineering & Third Party Inspection Services
- AN-VIME – Vincotte International Middle East Partnership
- Beginning of a project : February 2009
- Finishing of project: February -2012
- Total Project Time: 36 Months



HAYAN PETROL REFINERY PROJECT



GAGRA STORAGE PLANT PROJECT

Project Management, Engineering & Third Party Inspection Services

Total Project Time: 14 Months – 2022-2023



DNO- IRAQ

Tawke Project

Petrol Storage Facility; Storage Tanks, Separation Units,
Process Piping Lines

42 Km Crude Petrol Pipelines

Engineering, Design and Project Management Services

Beginning of project: October 2006

Finishing of project: November 2007

Total project time: 14 Months



DNO- IRAQ



KAR GROUP IRAQ REFINERY

- Project & Engineering Design Approval Services -Third Party Inspection Services
- Beginning of project : September 2009 - Finishing of project: March-2011
- Total project time: 18 Months



KUWAIT ENERGY-YEMEN
PETROL DRILLING PIPES AND TUBES
INSPECTION SERVICES
2010- YEMEN



PETROL DRILLING EQUIPMENT INSPECTION SERVICES 2009- UKRAINE



OPET MARMARA TERMINAL

- Petrol Storage Facility Project Management and Quality Control Services
- Capacity of Facility: 560.000 m³ – 63 Tank
- Beginning of Project: August 2004 – Finishing of project: October 2006
- Total Project Time: 26 Months
- Standards : Tank Controls : API 650
- Piping Works : ANSI B.31.3, API 1104



OPET MARMARA TERMINAL



KADOIL MERSIN TERMINAL

- Petroleum Storage Plant Third Party Inspection Services
- From December 2006 – – Finishing of Project : May 2008
- Total Project Period: 18 Months
- Tanks control according to API 650
- Process piping control according to ANSI B.31.3, API 1104

- Periodical Inspection Services
- Beginning of Project May 2012 Total Project Period: 1 Month



KADOIL-BALPET-AVES MERSIN TERMINALS

- Petroleum Storage Plant – Pipelines Third Party Inspection & NDT Services
- From December 2006 – – Finishing of Project : May 2008
- Total Project Period: 18 Months
- Process piping control according to ANSI B.31.3, API 1104



MARMARA WAREHOUSE SERVICES (OMV POAŞ) MARMARA TERMINAL

- Petrol Storage Facility Project Management & Third Party Inspection Services
- Beginning of project: September 2010 - Finishing of project: January 2012
- Total project period: 17 Months
- Standards : Tank Controls : API 650
- Piping works: ANSI B.31.3, API 1104



TÜPRAŞ-ATAŞ REFINERY PROJECTS

- TÜPRAŞ REFINERY PROJECT. Tank, Piping Design and Quality Control Services for Steel Construction Manufacturing
- ATAŞ/BP REFINERY PROJECT. Technical Consultancy, Project Control and Quality Control Services for Piping works
- Control Standards: Tanks: API 650, Piping works: ANSI B.31.3, API 1104 Steel Construction Manufacturing: AWS D.1.1.



REFINERY - SUDAN

-Refinery Equipments, Tanks, Pipelines

Periodical Inspection and NDT Services – 2009-2011



OMV Petrol Ofisi Inc. LPG Terminals – Yarımca- Aliğa

4x 5.000 m³- Yarımca – 2 x 5.000 m³ Aliaga Terminal LPG Tanks

Year of Construction: - 2013- 2014



BOTAŞ DISPLACED LINES

- Natural Gas Displaced Line Engineering and Consultancy Services
- Project Period : 2011- 2019 - Ongoing



BOTAŞ PIPELINES

IZMIR HIGHWAY AND NORTH MARMARA HIGHWAY PROJECTS

- Natural Gas Displaced Line Third Party Inspection & NDT Services
- Project Period : 2011- 2019



TPAO HAMİTABAT PROJECT

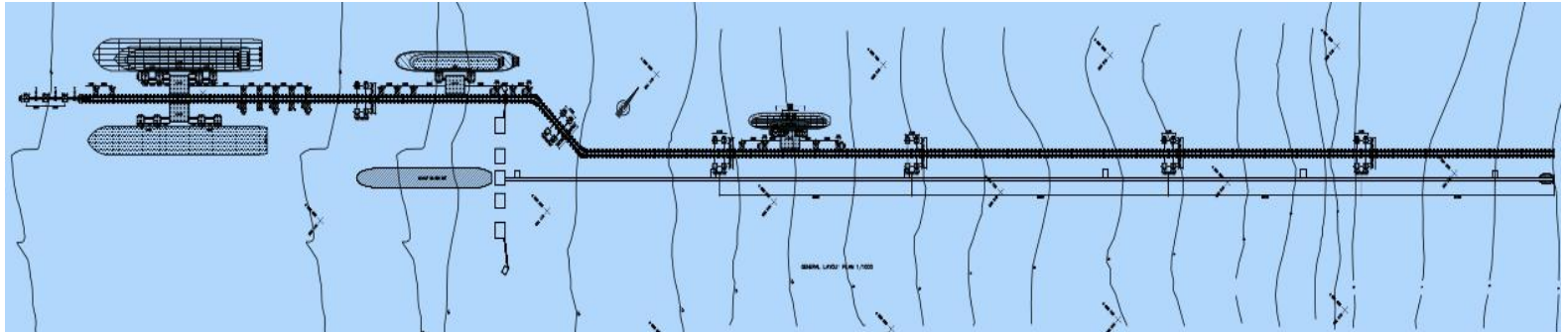
- On behalf of TPAO - Hamitabat Project
- Natural Gas Distribution Piping Third Party Inspection Services
- 35 KM – 12 Diameter pipelines
- Beginning of project :June 2010 – Finishing of project: January 2011
- Total project period: 8 Months
- Process piping control according to API 1104



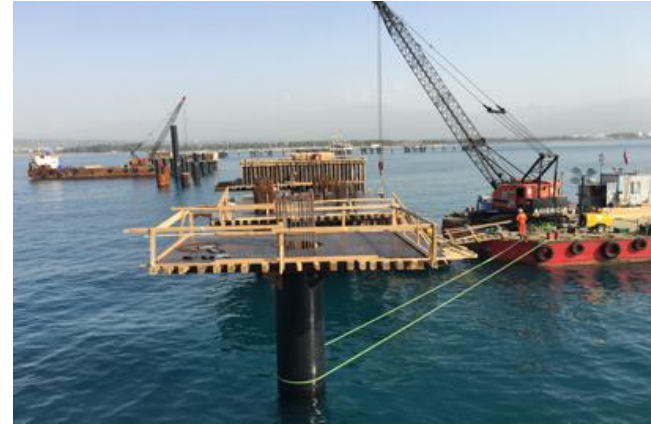
**AN HEAVY INDURSTRY &
CONSTRUCTION
REFERENCES FOR
JETTY AND PORT PROJECTS**

BOTAS DORTYOL FSRU JETTY TERMINAL

- FSRU Terminal Engineering, Design and Project Management Services (Jetty, Tanks, Process Piping, Onshore and Offshore Pipelines)
- Beginning of Project May 2017 – Finishing of Project : May 2018



BOTAS DORTYOL FSRU JETTY TERMINAL



BOTAS M.EREĞLİ LNG TERMINAL JETTY PROJECT



OPET PETROL & MDH (POAS) M.Ereğli Petrol Filling Sea Platform Projects



SAVKA PLATFORM AND PIPELINES

Mersin Petroleum Filling Platform and Offshore Pipelines
Project Period: 2012 and annual period controls ongoing



**AN HEAVY INDURSTRY &
CONSTRUCTION
REFERENCES FOR
INDUSTRY, CONSTRUCTION
AND ENERGY PROJECTS**

ETİBAKIR A.Ş. Mazıdağı Metal Recycling and Integrated Fertilizer Plants. Sulfuric Acid Plant- Phosphate Plants- Oxygen System

- Project Period: 2017-2018



**ETİBAKIR A.Ş. Mazıdağı Metal Recycling and Integrated Fertilizer Plants.
Sulfuric Acid Plant (650.000 tons/year)**



KARDEMİR KARABÜK STEEL-IRON INDUSTRY

3. AND 4.AIR SEPERATION PLANTS

1. Project: 2010- 2013 2.Project : 2015-2018



KARDEMİR KARABÜK STEEL-IRON INDUSTRY
NO: 5 HIGH OVEN PROJECT
Project Period: 2013-2016



SINOP NUCLEAR POWER PLANT PROJECT (MITSUBISHI-ITOCHEU-ENGIE) ONSHORE-OFFSHORE STE SURVEY AND HSSE Project Period: 2014-2018



YAPI MERKEZİ CONSTRUCTION SAR AL-NARIYAH PROJECT

Kuwait-Dubai-S.Arabia
Project Period:2012-2014



YAPI MERKEZİ CONSTRUCTION ALGERIA CARROUBIER PROJECT

Project Period:2008-2010



MINISTRY OF PETROLEUM-N.IRAQ

Mobile Fuel Laboratories includes the vehicle Air condition, ventilation system, auxiliary heating, sink with fresh or distilled water, polyurea flooring, water disposal tank, chemical disposal tank, fire extinguishers and mobile fuel testing analyzers.



MPPPU-KHARTUM SUDAN

Al Halfaia Steel Bridge Project



ENERJİSA
BANDIRMA II Combined Cycle Power Plant
Project Period: 2015-2016



THY TECHNIC A.Ş. HABOM PROJECT

Project Time : July 2010 - 42 Months



OTHER REFERENCE PROJECTS

Since 2003 – On going services with more than 1.000 different clients

- **DESIGN, ENGINEERING AND PROJECT MANAGEMENT SERVICES IN INDUSTRIAL PROJECTS, REFINERY&POWER PLANTS&INDUSTRIAL PLANTS**
- **PERIODICAL INSPECTION SERVICES
(LIFTING EQUIPMENT AND PRESSURED VESSELS)**
- **PERSONNEL CERTIFICATION SERVICES**
- **WELDING PROCEDURE QUALIFICATION SERVICES (WPQR)**
- **MATERIAL CONTROLS**
- **COATING AND CORROSION CONTROLS**
- **SYSTEM CERTIFICATION SERVICES**
- **PRODUCT CERTIFICATION SERVICES**
- **PETROLEUM, OIL & GAS SECTOR- THIRDPARTY INSPECTION AND QUALITY CONTROL SERVICES**

**TRUST AN HEAVY INDUSTRY &
CONSTRUCTION TODAY AND IN
YOUR FUTURE**