























Who We Are

International Engineering and EPC Main contractor for energy, refining, petrochemical & chemicals, power and other industries.



Establishment

Established since 1978, on the solid basis and knowhow of CF Braun Engineering.



HQ & Offices

Headquartered in Cairo, Egypt, Enppi's branches and offices are in 14 countries around the world, with a HQ representing a landmark accommodating 3000+ employees.



Our Vision

To be the EPC partner of choice in engineering industries, evolving sustainable energy solutions worldwide.

Our Mission

- Add value by providing trustworthy sustainable and reliable EPC solutions exceeding our stakeholders'
 expectations while accelerating energy transition for a better world for next generations.
- Deliver world class projects and services through our accumulated organizational knowledge and cutting-edge technologies with unwavering commitment to safety, quality and integrity.
- Foster the national economy and promote a better quality of life for community wellbeing.
- Our Mission is accomplished by leveraging our most valuable asset and *competitive edge*; our *passionate* and *competent people*.

Core Values



Shareholders

Enppi is a state owned joint-stock company; working under the Egyptian Investment Law (8) for 1997. EGPC, is the principal shareholder owning 96.61% of the total shares of Enppi.







Paid Capital 357 MM USD

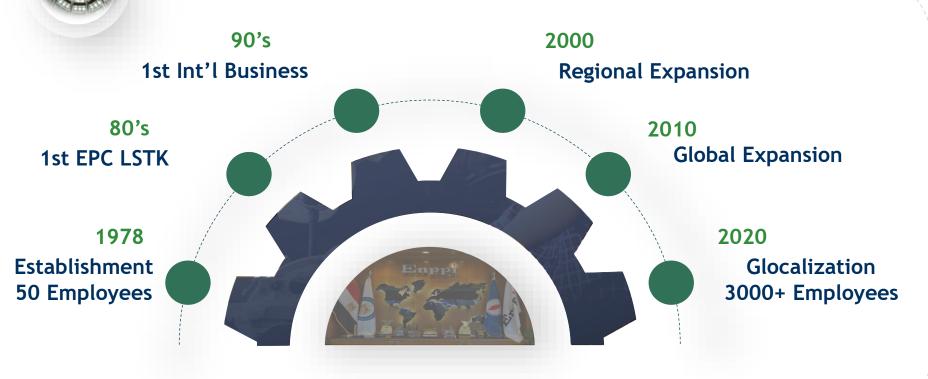
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Capital

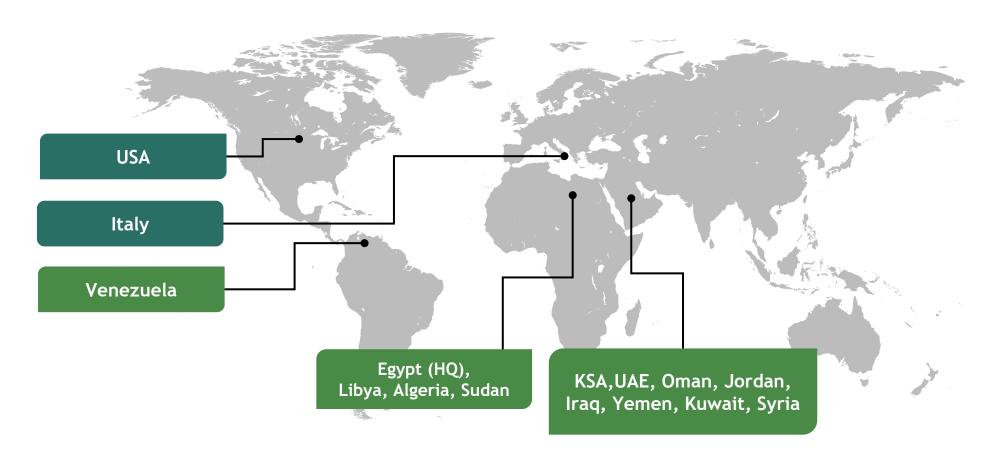
800 MM USD

Enppi

Milestones



Enppi Worldwide





Enppi Worldwide



1985



1st EPC LSTK project in Egypt (Assiut) 1995



1st project in UAE (ADCO) 1996



project in Syria (Shell) 2002



1st project in Jordan (FAJR) 2004



1st project in Libya (AGIP) 2006



1st project in KSA (Saudi Aramco)

2006



1st project in Sudan (GNPOC) 2007



1st project in Venezuela (PDVSA) 2008



1st project in Yemen (Total E&P Yemen) 2009



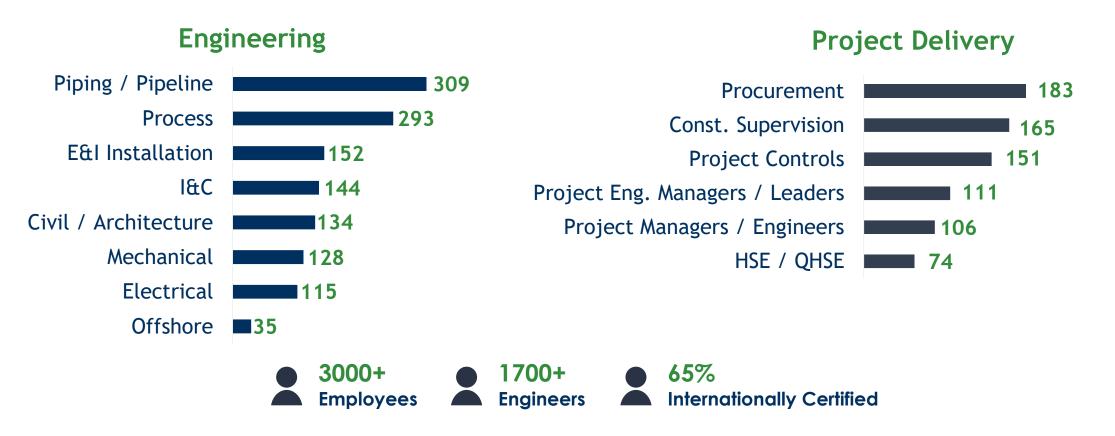
1st project in Qatar (QP) 2013



1st project in Iraq (Petrochina)



Engineering & Projects Delivery Workforce



International Certificates



60+ International Certificate





































100+ Software





























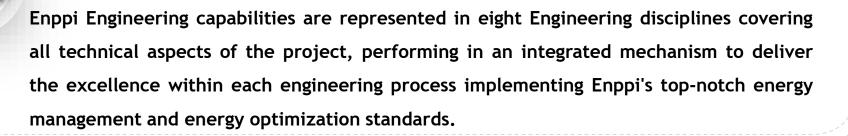


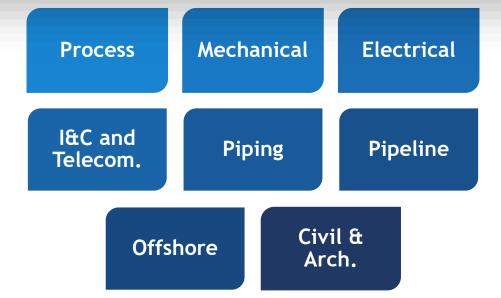




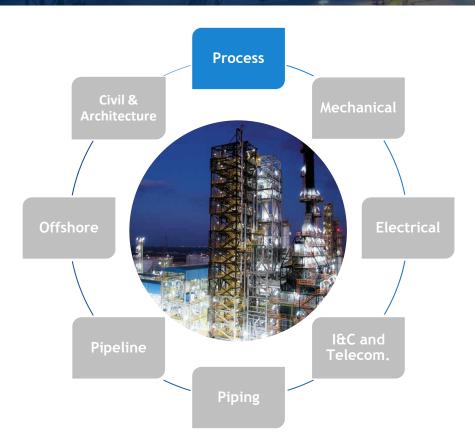


Engineering Capabilities





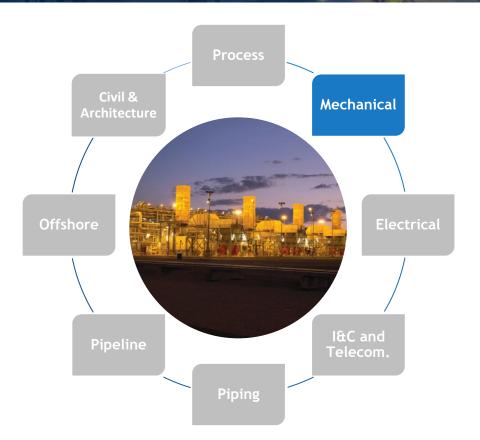
Engineering Capabilities





- Licensor selection and design review
- Steady state Process and dynamic Simulation
- Conceptual Engineering and Studies
- Process scheme selection and design
- Energy Management and Optimization
- Flow assurance Engineering and Design
- Process, utilities, offsites, environmental and Loss prevention & firefighting systems design & engineering
- ITB development

Engineering Capabilities Capabilities





- Static equipment
 - Process Columns & Towers
 - Pressure vessels / Tanks
 - Fire & water tube Boilers
 - WHRU / HRSG
- Machinery equipment
 - Pumps & Compressors
 - Steam & Gas turbines
 - Diesel / Gas engines
 - Handling equipment

- Materials
 - Cathodic ProtectionSystem
 - o RBI & CMP
- Solid handling systems
- HVAC systems

Engineering Capabilities



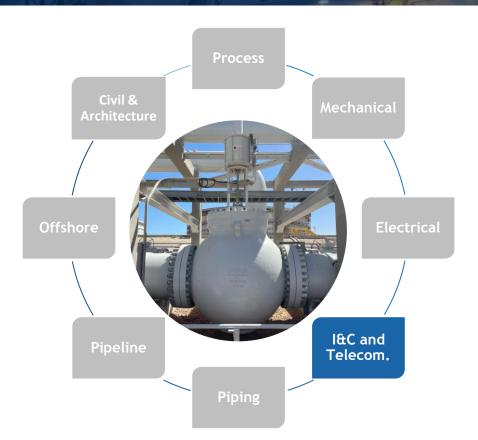


- Electrical studies, calculations, layouts, schedules & drawings
- Electrical Single line diagrams
- Electrical interconnecting & wiring diagrams
- Hazardous area classification
- Power System Studies

- HV / LV Switchgears
- Transformers
- AC generators
- Neutral Earthing Resistors
- Bus Duct Systems
- AC and DC UPS systems
- Electrical Power Modules
- LV Distribution Panels & Switch racks



Engineering Capabilities Capabilities





- Distributed control systems
- Safety Instrumented Systems
- SCADA
- Process Analyzers systems (Gas Chromatograph, CEMS, etc.)
- Final Control Elements (shutdown valves, Control valves, etc.)

- Telecommunication, CCTV, microwave systems
- Flow Metering & Custody Transfer
- Automatic Tank Gauging
- Fuel Retail Management
- Wellhead Safety & Control

Engineering Capabilities Capabilities





- Design process & utility plants plot areas
- Above and U/G piping systems and networks
- 3D modelling
- Material take-off & BOQs
- Isometric drawings

- Piping Material Specification & Classifications and Line List
- Piping Static & Dynamic Analysis, i.e., stress analysis, acoustic & flow induced vibration
- Pipe supports design and management

Engineering Capabilities

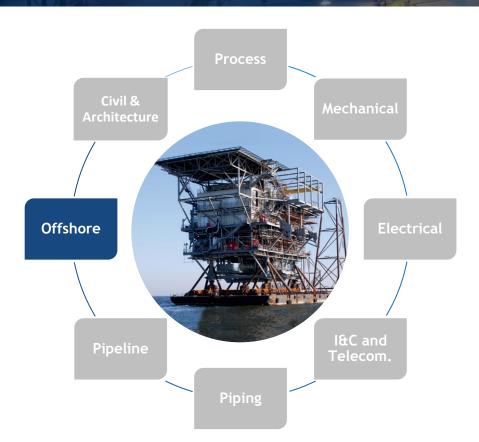




- Onshore & Offshore Pipeline Functional Specifications
- Onshore & Offshore Pipeline Layouts (Alignment Sheets, Approach Layouts, Field/Overall Layouts)
- Onshore & Offshore Pipeline Installation Specifications

- Pipeline Route Selection & Survey
- Pipeline Hydraulics & Flow Assurance
- Complete mechanical design of pipelines

Engineering Capabilities





- Concept Structure Selection Studies
- Structural modelling
- In-service Analyses
- Structural and foundation engineering and modelling utilizing FEA
- Weight control engineering
- Geophysical & Geotechnical surveys
- Offshore platforms assessment & rehabilitation
- Structural integrity services
- Ports and terminals

Engineering Capabilities Capabilities





- Landscape
- Site Development Works (Roads, Fence, Rough Grading, etc.)
- Foundation and concrete Works
- Onshore Structural Steel Works

- Building Structural Design
- Building Architectural Design
- 3D Models
- Review Steel Fabrication Drawings
- Calculations
- As-Is Drawings
- Site support



Scope of Services EPC



























Oil Production Facilities & Refining



Gas Production Facilities & NGL Processes



Petrochemicals & Chemicals and Fertilizers



Offshore



Subsea



Tank Farms & Terminals



Pipelines



Water Treatment



Utilities & Offsites



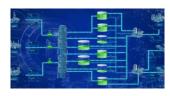
Power Plants



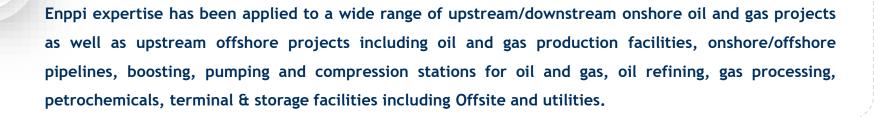
Architectural Design



Energy
Transition &
Sustainability



Digital Transformation



Oil
Production
Facilities &
Refining

Gas Production Facilities & NGL Processes Petrochemicals, Chemicals & Fertilizers

Offshore

Pipelines

Tank Farms & Terminals

Water & Wastewater Treatment

Utilities & Offsites

Subsea

Power Plants

Architectural Design Energy Transition & Sustainability



Oil Production Facilities & Refining

Gas Productior Facilities & NGL Processes Petrochemicals, Chemicals & Fertilizers

Offshore

Pipelines

Tank Farms & Terminals

Water & Wastewater Treatment

Utilities 8
Offsites

Subsea

Power Plant

Architectural Design

Energy Transition & Sustainability



- Desalter units
- CDU / VDU
- Vapor recovery unit
- Sulphur recovery unit
- Deasphalting units
- Hydro Cracking units
- Hydro Treating units
- Hydro Desulphurization

- Tail gas treatment
- Lube oil production & blending
- Isomerization
- Reforming & CCR
- Sour water stripping unit
- Amine Absorption & Regen.
- Hydrogen Production units



Oil Production Facilities & Refining Gas
Production
Facilities &
NGL Processes

Petrochemicals, Chemicals & Fertilizers

Offshore

Pipelines

Tank Farms
& Terminals

Water & Wastewater Treatment

Utilities 8
Offsites

Subsea

Power Plant

Architectural Design

Energy Transition & Sustainability



- Gas Production Facilities
 - Onshore Production
 - Offshore Platform
 - Flared Gas Recovery
 - Receiving Terminals
- Gas Processing Plants
 - NGL recovery
 - **LPG production**
 - Condensate production
 - C2/C3 production

- **Gas Treatment Facilities**
 - Acid Gas / CO2 removal
 - Dehydration
 - Mercury Removal



Oil Production Facilities & Refining

Gas Production
Facilities &
NGL Processes

Petrochemicals, Chemicals & Fertilizers

Offshore

Pipelines

Tank Farms & Terminals

Water & Wastewater Treatment

Utilities 8
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Power Plant

Architectural Design

Energy Transition & Sustainability



- Ethylene
- Polyethylene
- Linear Alkyl Benzene (LAB)
- Methanol
- Polypropylene
- Styrene

- Polystyrene
- Ammonia
- Urea
- Sulphuric acid
- Phosphoric acid



Oil Production Facilities & Refining

Gas
Production
Facilities &
NGL Processes

Petrochemicals, Chemicals & Fertilizers

Offshore

Pipelines

Tank Farms & Terminals

Water & Wastewater Treatment

Utilities 8
Offsites

Subsea

Power Plant

Architectural Design

Energy Transition & Sustainability



- Jacket & Deck
- Topside Facilities
- Offshore platform assessment & rehabilitation
- Construction support analysis

- Weight control engineering
- Geophysical & & Geotechnical surveys
- Ports & Terminals
- Structural integrity services



Oil Production Facilities & Refining Gas
Production
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NGL Processes

Petrochemicals Chemicals & Fertilizers

Offshore

Pipelines

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Water & Wastewater Treatment

Utilities 8 Offsites

Subsea

Power Plant

Architectural Design

Energy Transition & Sustainability



- Onshore & Offshore Subsea
- Pipeline Route Selection & Survey
- Pipeline layout
- Pipeline Hydraulics & Flow Assurance
- Landfall and shore approach design

- Material Selection & Wall Thickness Assessment
- Stress analysis
- Thermal Expansion
 Analysis
- Cathodic Protection Design



Oil Production Facilities & Refining

Gas Production Facilities & NGL Processes

Petrochemicals, Chemicals & Fertilizers

Offshore

Pipelines

Tank Farms & Terminals

Water & Wastewater Treatment

Utilities 8
Offsites

Subsea

Power Plant

Architectural Design

Energy Transition & Sustainability



- Tanks (atmospheric, low pressure and cryogenic)
- Tank design & sizing
- Stress analysis
- Loading / Unloading
 Arms

- Metering Skids & Custody Transfer Skids
- Terminal Management and Automation System
- Automatic Tank gauging

Oil Production Facilities & Refining Gas
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Power Plant

Architectural Design

Energy Transition & Sustainability



- Filtration Systems
- De-Salination Systems
- Zero Liquid Discharge (ZLD)
- Oily Water Separation Systems
- Dewatering Systems

- Biological treatment system
- UV sterilization system
- De-aerator system
- Ozonation system
- Phenol removal system



Oil Production Facilities & Refining

Gas
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NGL Processes

Petrochemicals, Chemicals & Fertilizers

Offshore

Pipelines

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Water & Wastewater Treatment

Utilities & Offsites

Subsea

Power Plant

Architectural Design

Energy Transition & Sustainability



- Utility, Potable and Cooling Water systems
- Fuel Gas & Fuel Oil Systems
- Open, Closed and Chemical Drain Systems
- Chemical Injection System
- Steam generation systems& Steam CondensateCollection

- Instrument Air & Plant Air
- Nitrogen System
- Fire detection & protection
- Boiler Feed Water
- Stripped Sour Water
- Power generation & distribution



Oil Production Facilities & Refining

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Water & Wastewater Treatment

Offsites 8

Subsea

Power Plant

Architectural Design

Energy Transition & Sustainabilit

Digital Transformation



- Overall Field Layout & Architecture
- Flow Assurance 8Operation Philosophy
- Subsea ProductionSystems (SPS) Design
- Subsea Umbilical & Control Systems

- Subsea Pipeline & Infield Flowlines
- Subsea structures design
- Corrosion Control & Material Selection Philosophy
- Technical Interface Management

Oil Production Facilities & Refining

Gas
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Power Plants

Architectural Design

Energy Transition & Sustainability

Digital Transformatio



- Gas Turbine power generation plant
- Steam Turbine power generation plant
- Combined cycle power generation
- Solar Power Units

Oil Production Facilities & Refining

Gas Production Facilities & NGL Processes

Petrochemicals Chemicals & Fertilizers

Offshore

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Water & Wastewater Treatment

Utilities 8
Offsites

Subsea

Power Plant

Architectural Design

Energy Transition & Sustainability

Digital Transformatior



- Roads and site development
- Offices and administration buildings
- Control rooms and electrical substation building
- Workshops
- Laboratory buildings
- Housing complexes

Oil Production Facilities & Refining Gas Production Facilities & NGL Processes

Petrochemicals, Chemicals & Fertilizers

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Tank Farms & Terminals

Water & Wastewater Treatment

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Subsea

Power Plant

Architectura Design Energy Transition & Sustainability

Digital Transformation



- Energy Efficiency & Decarbonization
- Carbon Capture Utilization & Storage (CCUS)
- Methane Abatement
- Renewable and H2
- Biofuels
- Plastic Recycle
- Operation Excellence

Oil Production Facilities & Refining

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Energy Transition & Sustainability

Digital Transformation



- IT Infrastructure ERP & Business Intelligence
- Field Development & Automation
- Executive & Operation Command Centers
- SCADA Systems

- Data analytics
- Process Optimization
- Predictive Maintenance
- Laser Scanning & 3D modelling
- Digital Twin





QEHS



Enppi has the leadership in obtaining certificates of international standards for:

- Quality Management Systems (ISO 9001)
- Environmental Management Systems (ISO 14001)
- Occupational Health & Safety Management Systems (ISO 45001)
- Energy Management Systems (ISO 50001)



ISO 9001 · ISO 14001 ISO 45001 · ISO 50001







Int'l Recognition



Top 225
International Design Firms

Top 150
Global Design Firms

Top 250
International Contractors



Int'l Recognition



MEED

SOPC New Vacuum Distillation Unit







MENA Winner 2023



Replacement & Segregation of Khuff Gas at Uthmaniyah Gas Plant (UGP)



Oily Water Treatment and Disposal System







Replacement & Segregation of Khuff Gas at Uthmaniyah Gas Plant (UGP)



Oily Water Treatment and Disposal System



Saudi Aramco LTA

In November 2020, Enppi signed a long-term agreement with Saudi Aramco for a period of six years, and extendable for a similar period, to execute projects in Aramco's various oil and gas sites through tendering to the limited list of selected contractors or on direct order basis.

Aramco awards major Long-Term Agreements to eight companies for its oil and gas brownfield projects

DHAHRAN, November 18, 2020

- 1 Consortium of Nasser Saeed Al-Hajri And Contracting /Samsung EPC Co. Ltd.
- 2 Daelim Saudi Arabia Co. LTD.
- 3 Engineering for The Petroleum and Process Industries (Enppi) Branch.
- 4 GS Construction Arabia Co. Ltd.
- 5 Snamprogetti Engineering and Contracting Co. Ltd. (Saipem).
- 6 JGC Gulf Engineering Co. Ltd.
- 7 Branch of Technip Italy S.P.A.
- 8 Branch of Hyundai Engineering and Construction Co. LTD.

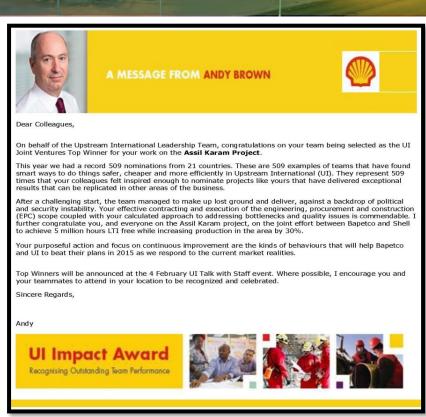


Assil & Karam Project Named UI Joint Ventures Top Winner

From among 21 countries and 509 projects in Shell Upstream International (UI).

The Assil & Karam project, executed through an EPC contract with Enppi as a Main Contractor, has been selected as the UI Joint Ventures Top Winner.

The project achieved a record of 5 Million hours LTI Free, while increasing production in the area by 30%.





Our Partners

































Our Partners











Our Partners























Zohr Development Project

Phase I

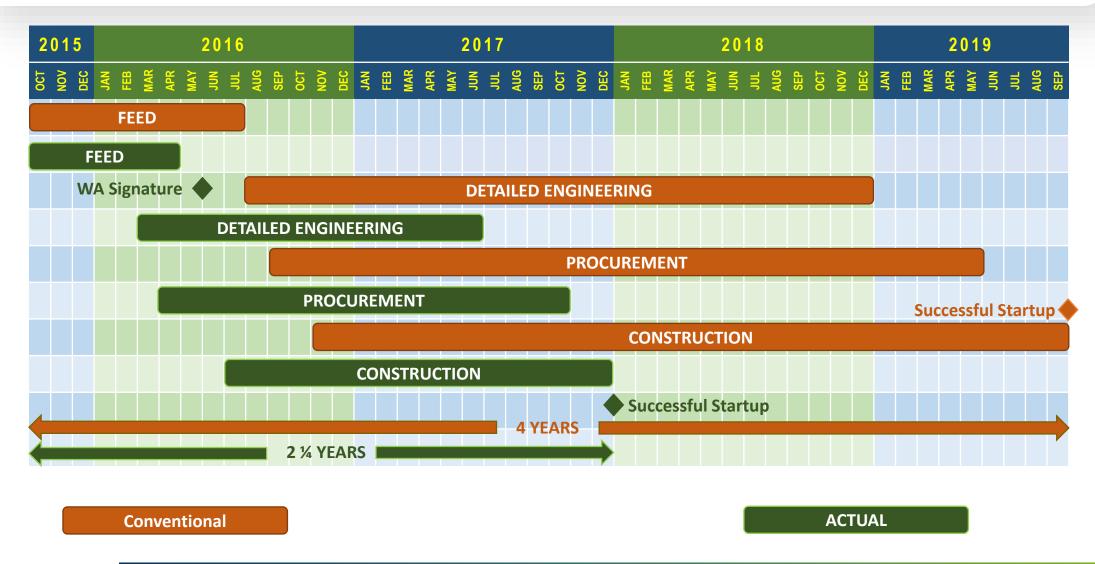
Zohr Development Project - Phase I & 2

2015 - 2017 2017 - 2020



- Reaching a production capacity of 2800 MMSCFD of gas at a pressure of 84 barg, through 8 gas processing trains.
- 2000 tons Offshore control platform serving Zohr Field development Project; installed at 65 km from coast and 160 km of the production facilities at a water depth of 85 meters.
- Condensates at a daily production rate of 7000 standard barrels.
- High-quality Sulphur with purity up to 99.9% to be converted to solid shape for export with a daily production rate of 50 tons.
- Detailed engineering and procurement services / material management and engineering site support during the construction Phase

Conventional Vs. Actual Plan







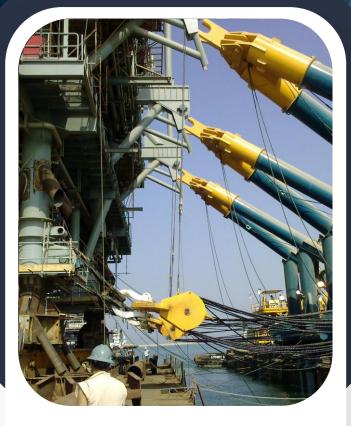




Al-Khafji Field Development
Phase 1

Al-Khafji Field Development Phase 1, Offshore Facilities 2006 - 2010

- Maintaining maximum sustainable production capacity of 300,000 BOD & 125 MSCFD associated gases, as well as 50 MSCFD gas lift.
- Installation of 6 new platforms, 7 flare tripods and 6 bridges, in addition to modifications to 8 existing platforms.
- Structural steel total weigh is approximately 10,500 MT.
- 110 km subsea pipelines of 42", 36", 28" and 24" diameter & 34 km submarine cables.
- Consortium (Enppi Petrojet PMS Rawabi) LSTK
- Engineering, material supply, overall management, construction supervision and commissioning & start-up.



Al-Khafji Field Development Phase 1

Topside Installation Using Special Float Over Technique



- 'VERSATRUSS' company Performed a special float over technique for the Installation of Y-2B topside (3,300 Tones) and Y-1B Topside (2,900 Tones) for the project.
- This Technique is based on lifting the topside through two sets of pin connected booms, every set is supported on separate barge, the two barges are connected through wire winches which control the relative movement that results in topside rise and down.





Debottleneck Produced Water Handling System -Khurais (2024 - Ongoing)



Increase the capacity of the water handling facilities at the CPF from 750 MBD to 1,100 MBD and treating the water from 100 ppm to less than 50 ppm of oil-in-water will enable the oil production to be maintained at MSC levels when the water rates are forecasted to exceed the existing system capacity.

EPC LSTK - Main Contractor



West East Pipeline (WEP) (2024 - Ongoing)



Debottleneck Production Facilities - Abqaiq (2023 - Ongoing)



- Pipeline beginning with Fujairah, through the West to East Pipeline (WEP) Project, spanning 500 Km.
- Constructing a 48" diameter onshore crude oil pipeline from Jebel Dhanna to Fujairah MOT, incorporating intermediate pumping stations and block valve stations for operational efficiency and safety.

EPCM



 Optimize the production of Abqaiq Field and hold the maximum sustainable capability (350 MBCD) and overcoming the decline in the well head pressure due to the increase in the field water cut.

EPC Main Contractor





Juhayma Terminal Expansion Project (2022 - Ongoing)



- Constructing 6 condensate storage tanks with working volume of 1.0 MMBBL and associated 3 Booster Pumps and 3 Shipping pumps, utilities.
- The Project is part of JAFURAH Development Program (JDP).

EPC Main Contractor



Upgrade Sulfur Recovery Units - Ras Tanura Refinery (2022 - Ongoing)



Install C3/C4 Refrigeration Units & Storage Tanks JNGLF Plant -(2022 - Ongoing)



- Reduce Sulfur Dioxide (SO2) emissions from Sulfur Recovery Units (SRU) at Ras Tanura Refinery (RTR) to meet environmental regulations.
- Reduce the amount of H2S in molten sulfur product for improved safety in handling;
- Provide improved SRU availability through replacement and upgrade of certain bad-actor equipment.

EPC Main Contractor



Project will install new facilities at JNGLF in refrigeration (R93) unit and tank farm (R92) unit which will accommodate T&I of these units. This will improve the Propane & Butane facilities at JNGLF.

EPC Main Contractor





Debottleneck Safaniyah Onshore Plants (2019 - Ongoing)



- Develop Safaniyah Plant facilities to sustain future oil production rate of 1,300 MBCD, while increasing the capacity of the produced water treatment facilities from 810 MBCD to 1,500 MBCD.
- The Arab Heavy crude production will also be increased from 1,200 to 1,300 MBCD, whilst meeting the specifications as given in the Aramco standards, salt content and BS&W.

EPC LSTK - Main Contractor



Satah Off Gas Compression Project (2019 - Ongoing)



Installation of a new Off Gas Compressor (OGC) and associated facilities at Zirku Satah plant to perform the function of the existing Amine Bypass Compressor in Bypass mode, to handle the forecast export gas profile.

EPC Lump Sum Main Contractor



Upgrade Desalinated Water Treatment at Safaniyah Plant (2018 - 2021)



Meeting high demand of desalinated water in Safaniyah plant of 1,610 GPM by installing a new Reverse Osmosis plant (RO) including three Packages units, to replace the existing plant to minimize SONPD's dependence on Tanajib Reverse Osmosis plant.; the project includes upgrading of the existing Tanajib -Safaniyah pipeline to be Bi-directional.

EPC LSTK - Main Contractor





Water Disposal System Refurbishment at Safaniyah Onshore Plant (2018 - 2022)



 Resolving performance issue related to gravity flow between existing CPI & DGF by increasing the performance through Pressurizing the CPIs and DGFs using motive fuel gas.

EPC LSTK - Main Contractor



Sulfate Removal Facilities at Aindar and Fazran (2018 - 2021)

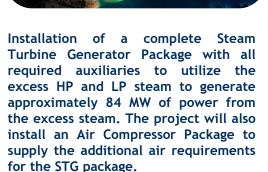


Steam Turbine Generator at Shedgum Gas Plant (2018 - 2023)



Processing and delivering 435 MBD of low sulfate water to injection and FZRN headers in ANDR using 580 MBD reservoirs, (maximum) sea water through 36" intake pipeline approx. 700 meter, 145 MBD of reject water will be returned to QUAD1 Pipeline thru 16" intake pipeline approx. 700 meter. Low sulfate water will be required to maintain reservoir pressure.

EPC LSTK - Main Contractor



EPC LSTK Main Contractor





Downstream Pipeline Haradh Increment (HUG-2) (2017 - 2021)



Constructing a 56" gas pipeline and 56 km to transport treated rich gas from Hawiyah to Uthmaniyah for natural Gas liquid recovery before injection into the Master Gas System (MGS).

EPC LSTK - Main Contractor



56 Km North Gas pipeline (2017 - 2021)



Installation of a 36" gas pipeline to transport natural gas from Jordanian Northwest border to the interconnection point to the existing Arab Gas pipeline with a total length of 56 Km to feed power plants and other domestic users.

EPC Lump Sum (Main Contractor)



Yanbu Gas Plant Expansion (2006 - 2009)



Expanding Yanbu NGL plant capacity from 390 to 585 MBOD. The scope includes 195 MBOD de-Ethanizer with ancillaries and propane, refrigeration system, feed to the existing de-Propanizer and de-Butanizer columns, construction of substation with process interface room and expansion of DCS and ESD systems.

EPC





Arab Gas Pipeline Phase 1 (1999 - 2001) Phase 2 (2006 - 2008)



Transmitting and compressing of 10 BCM/Y Egyptian gas from Aqaba to Rehab power station in Jordan by installation of Aqaba compression station, 36" - 394 km pipeline - gas, metering, and SCADA system.

Phase 1 (Inside Egypt): 36" for 193 KM

and 36" for 250 KM

Phase 2 (Outside Egypt): 36" for 394

KM and 36" for 30 KM

EPC



Yanbu Export Refinery Project (2010 - 2014)



Global a Re-assessment of Structures in MM & BH Fields (2009 - 2010)



Installation of a new tank farm for Yanbu export refinery with capacity of 400,000 Barrel/Day.

The Tank farm package includes 33 storage tanks with different diameters (12.5 to 120 mt), sizing up to 1.2 Million Barrels and 13 spherical tanks 60,000 barrels each

EPC LSTK



- 15 Platforms
- 27 Connecting bridges
- 6 Support jackets
- 3 Satellite platforms
- 50 Wellhead platforms
- 4 Flare platforms

EPCM





Kharir Development Project (2008 - 2010)



Installation of a crude stabilization unit with capacity of 30,000 Barrel per day. The unit includes oil separator, water bath heater, crude storage and export pumps, as well as, supporting utilities. The Project is situated in Kharir at Hadramout, 600 Kilometer from Sana'a in Yemen

EPC LSTK - Consortium with Petrojet (Enppi Consortium Leader)



PAGMI Project Phase I & II (2007 - 2013)



Expansion of Hout Crude Onshore Production Facility (2006 - 2009)



Phase I: Conditioning of 600 MMSCFD from Dragon field (mainly Methane saturated with water), molecular sieve dehydration package and all required utilities to accomplish domestic market requirements.

Phase II: Treatment of 1000 MMSCFD gas & 20197 STD bpd condensate. There will be an additional dehydration module (module B) parallel to module A in PAGMI phase I with a capacity of 600 MMSCFD with different outlet water content.

EPCM



Expanding the storage capacity at Hout onshore production facility by installation of additional 4 storage tanks (500 to 80,000 m3 capacity floating and fixed roof), in addition to booster pumps, instrumentation, piping, fire fighting and a new electrical substation.

EPC





Major National Projects



ANOPC Hydrocracking Complex (2020 - 2023)



Midor Refinery Expansion (2019 - 2023)



ASORC Naphtha Complex - ISBL (2017 - 2021)



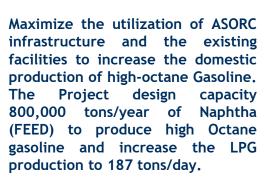
Converting low value Fuel Oil (Mazot) into more valuable products (Diesel, Naphtha & LPG) via Vacuum distillation unit (VDU), Distillate Hydrotreating unit (DHTU) & Sulphur Recovery unit (SRU).

EPC - Licensor: SIIRTEC NIGI for SRU & AXENS for DHTU



Increase Midor plant refining capacity by 60% to reach 160,000 BPSD, by adding new units such as new CDU and VDU with capacity of 60,000 BPSD, diesel hydrotreating unit with capacity of 44,000 BPSD as well as solvent deasphalting unit with capacity of 14,000 BPSD in addition to the hydrogen production unit with capacity of 56,500 m3/h.

EPC - Licensor: UOP



EPC - Licensor: AXENS





ANRPC New CCR & Platforming Project (2015 - 2018)



Installing a new CCR and Platforming unit to Process 604,000 T/Y of hydrotreated heavy Naphtha to produce reformate of high-Octane Number.

EPC

(Executed 10 weeks ahead of project schedule)



New Asphalt Production Unit (2019 - 2023)



Installation of a new Vacuum Distillation Unit (VDU) to produce 1200 ton/day of asphalt by removal of lighter fractions (Vacuum Gas Oils) from atmospheric residue that is produced from the existing atmospheric distillation units which process land Belayim crude or equivalent crude oil

Lump sum for professional services and material supply cost plus



New Vapor Recovery Unit (2014 - 2016)

Establishing the New Vapor Recovery Unit with a feed capacity of 400,000 TON/Year to recover 97% of the butanes to produce 80,000 TON/year of on-spec LPG to serve upper Egypt LPG requirements.

Lump-sum Professional services, Cost Plus Material Supply, Commissioning and start-up assistance reimbursable MHRS





GASCO Western Desert GAS Complex "Train D" (2020 - 2023)



Maximize the production of commercial propane with the applicable increase in the C2/C3 product to meet the national petrochemical sector needs.

The new feed will be handled by a new train (Train-D) with a design feed capacity of 600 MMSCFD. The train will comprise mainly of Dehydration, chilling, absorption, compression and fractionation sections.

Engineering & Procurement Services



Maximization of C2/C3 (2005 - 2012) / (3 phases) / Western Desert Gas Complex (1997 - 2000)



Maximization of C2/C3: Recovered C2 & C3 in Ameriya LPG plant transferred via 12"pipeline for processing within WGDC, where storage & loading facilities exist. Project executed in 3 phases with total production of 900 MMCFD.

Western Desert Gas Complex: Treatment of 550 MMCFD of natural gas produced from western desert to produce C2 & C3 mixture for downstream ethylene and polyethylene production, commercial propane, sales gas, LPG and condensate.

EPCM



Atoll Development Project (2016 - 2021) West Harbor Expansion (2010 - 2015)



Atoll Development Project: Installation of new equipment & developing existing West Harbor facilities to process the Atoll offshore field production of 360 MMSCFD gas & 15,000 BPD condensate.

Basic & Detailed Engineering, Procurement Services & Construction Supervision

West Harbor Expansions: Developing existing facilities to increase capacity to 585 MMSCFD and connecting PhPC plant to Petrobel Plant to secure Gas production during PhPC plant Shutdown.

EPC LSTK (Enppi Main Contractor)





Assil & Karam Gas Development Project (2011 - 2016)





Damietta LNG Project (2002 - 2005)





NGL Project at Port Said (2001 - 2004)



Phase 1 of the project aimed to produce 164 MMSCFD of gas from Karam gas field and 60 MMSCFD from Assil gas Field in the Alam El Shawish West Block Western Desert. Scope of work includes carbon dioxide removal plant and Modification to existing BED-3 Facilities.

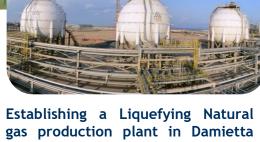
Phase 2 aimed to Install a Vapor Recovery Unit to reuse the exhaust vapors instead of venting, to increase the plant efficiency and reduce emissions to the environment.

EPC LSTK



Establishing a Liquefying Natural gas production plant in Damietta Port Area with an annual capacity of 4.7 MMTY of LNG for the first train, in addition to the related export facilities.

Detailed engineering for Fractionators Unit and Procurement Services & Construction Supervision



gas production plant in Damietta Port Area with an annual capacity of 4.7 MMTY of LNG for the first train, in addition to the related export facilities.

EPCM





Dahshour Compression Station Units 5 & 6 (2018 - 2023)



Qasr Gas Compression (2012 - 2015)



BURULUS

Phase VII Main Compression Onshore (2009 - 2012)



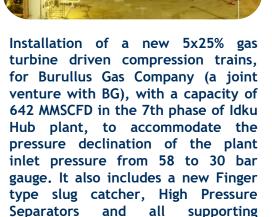
Adding new two gas compressor trains one turbine driven & two motor driven (*9MW each through MV VSD) and five heat recovery units on exhaust stakes of the five turbines to generate electricity through ORC (Organic Rankine Cycle) generator (*24MW) at 11KV to supply all plant loads & be independent from Utility.

EPC Main Contractor



Adding pressure boosting facilities (Turbo-Gas Compressor) and associated utilities to the existing Qasr, start-of-line (SOL) Plant located in the Egyptian Western Desert.

EPC LSTK (Enppi Main Contractor)



EPC LSTK (Enppi Main Contractor)

utilities.





Assiut/Aswan Gas Pipeline & Dahshour Compression Station (2008 - 2012)



Installation of gas transmission pipelines (500 KM) from Assiut to Aswan as follow:

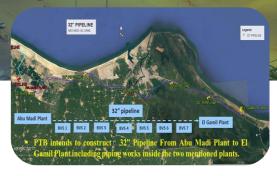
- PHASE I: Assiut / Gerga P/L 120 km - 32"
- PHASE II: Gerga / Aswan P/L 380 km - 30"
- PHASE III: Compression Station in Dahshour

Professional services, Material Supply



Nooros El Gamil Pipeline Project (2017 - 2021)





- 24" gas pipeline with length 31 Km starting from NIDOCO Well Head to Abu Madi plant
- passing through station NIDOCO 6, NIDOCO 11 and QARAA.
- 32" gas pipeline with length 92 Km from Abu Madi Plant to ELGAMIL in Portsaid.
- 26" gas pipeline with length 27 Km starting from West Baltim offshore platform to Abu Madi plant.

Detailed engineering and procurement services



Nubaria / Dahshour Gas Transmission Pipeline (2010 - 2012)



Installation of a two gas transmission pipelines and associated facilities:

- 32" gas transmission pipeline between Nubaria and Sadat city (70 km long).
- 42" gas transmission pipeline between Sadat city and Dahshour (75 km long).

Engineering & Procurement services, and overall project management.





Harmattan Deep **Development** (2023 - Ongoing)





North Safa Field Development Project Dragon Oil (2022 - 2023)



GUPCO Rehabilitation **Since 2005** (Long-Term Contract)





Producing 150 MMSCFD in addition to 3,000 barrels condensate. The platform will operate without human presence & with minimum required facilities.

The project includes 16" subsea pipeline to West Harbor onshore Facilities.

Engineering Procurement **Services**



North Safa field development is a unmanned, minimal new production facility platform. The new facility will accommodate 9 wells (4 Producers + 2 water Injector + 3 future).

EPC Lumpsum Consortium (Enppi - Petrojet - PMS) Rehabilitation of GUPCO offshore facilities including steel structural platforms, topside facilities and subsea pipelines.

The offshore facilities consist of 9 complexes & 69 satellites (with an overall count of 119 platforms and 400 wells) and 1600 km of subsea pipelines.

EPCM



Two New Platforms at NAO & HH Fields (2016 - 2018)



Constructing two new Offshore Platforms at NAO and HH fields with production capacity of 9,500 BPD at Gulf of Suez, The production from the new (NAO & HH) Platforms will be transferred directly to existing (AMER-8) Platform via new 6" Pipeline 8 km long.

EPC LSTK

Consortium Enppi - Petrojet - PMS (Enppi Consortium Leader)



Seth Offshore Development (2011 - 2012)





TUNA Field Development (2008 - 2010)





Installation of a new platform in water depth of 83.3m at PTB Seth gas field in the Ras El Barr Concession West Nile Delta area (Mediterranean Sea), total field production flow rate is 4.5 MMSCMD.

EPC LSTK

Consortium Enppi - Petrojet - Tecnomare (Enppi Leader)



Developing Tuna field at the Mediterranean Sea by installing a new platform (4-legged platform approx. 82 m of water) and connecting pipelines (24" subsea pipeline approx. 15 km from Tuna platform to new PLEM and eventually to the existing Denise-A SSIV and 32" P/L to onshore plant near T-NW2 existing platform) to support the production of 4.5 MMSCFD.

EPC LSTK- Consortium of Enppi, Tecnomare and Petrojet (Enppi Leader)





WDDM IXB & X Dev. Projects (2017 - 2023)





DEKA (Denis - Karawan) Subsea Field Dev. (2012 - 2014)



eni

Zohr Field Dev. PMT for Subsea Works (2016 - 2020)





As part of ongoing development of WDDM concessions (70 subsea Wells), Phase IXB expansion started production by 120 MMSCFD from 2 wells in 2018 & reached 370 MMSCFD in 2019 from 6 new wells.

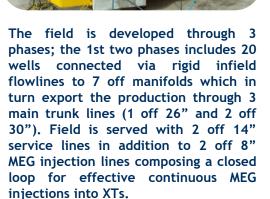
PMC - Consortium Enppi - Wood



Subsea tie-back of five new subsea wells in about 115m water depth via new 16"/10" sealines network to existing D4 well PLEM, Temsah 32" & 24" sealines.

Field layout includes PLEMs, HIPPS modules, subsea spools between production facilities, control umbilicals / SUTUs & flying leads, subsea hot tapping skids (tie-in with existing 32" & 24" sealines), subsea foundation and fishing protection structures.

PMC



PMC





New Hydrocracking & Naphtha Complex (2021 - Ongoing)



New Polyethylene Plant 400,000 MT/Y (2011 - 2015)



Ethylene Cracker (2011 - 2015)



Installation of a new hydrocracking complex & new naphtha complex to maximize the added value of the petroleum products through converting the low value heavy petroleum products (fuel oil & naphtha) into lighter high value products such as diesel, benzene and LPD. 18 Units (12 Licensed, 6 Open Art). 8,000 KTA Crude Oil.

Pre-FEED / FEED



Building a Polyethylene plant in Alexandria with a Total capacity of 400 KTA, Linear Low- Density Polyethylene (LLDPE) and High-Density Polyethylene (HDPE) through two trains of a capacity 200 KTA each, using polymer grade ethylene as feed stock.

EPC

JV Enppi / Toyo engineering Corp. Licensor: Univation Technologies LLC



EPC

JV Enppi / Toyo engineering Corp. Licensor: Univation Technologies LLC





Utilities & Offsites for ASORC Naphtha Complex "OSBL" - (2017 - 2021)



Establishing utilities and offsite facilities required for the new Naphtha Complex. The Utilities and Off-sites project includes Cooling Tower Package, Instrument and utility air compressor package, Nitrogen generation and Compression Steam package, Generation Package, Water Softening package, oily water treatment package and Chemical injection package

EPC



Permanent Power Plant (PPP) (2014 - 2019)



Generate electric power with a capacity of 70 MW per hour using Gas Turbines convertible to combined Cycle and connecting it to the Electrical National Grid to export the additional production and to export the excess electricity. (Phase 2)

EPC



Utilities Project for Ethylene & Derivatives Complex (2011 - 2015)



Installation of new utilities required for the New Ethylene & Derivatives Complex in Alexandria. The Utility Plant includes the following; Water Treatment System applying Zero Liquid Discharge (ZLD) concept with design capacity of 1100 m3/hr, Cooling water system, Chemical bulk storage and supply system, Potable /Utility water systems, Collection and discharge system for Treated wastewater from different plants

EPC





Enppi Academy

- Enppi Academy sustains its role in offering various technical & managerial programs aimed at developing newly graduated engineers.
- These programs are designed to bridge the gap between theoretical academic education and the practical business environment, enabling new engineering graduates to gain familiarity with the applied principles and techniques involved in engineering activities across various disciplines in the Oil & Gas industry.
- Enppi Academy introduces its services to Enppi employees, Egyptian oil and gas sector employees and international candidates.
- Enppi Academy succeeded in concluding a successful partnership with YOKOGAWA through which a
 DCS and SIS Demo System added to Enppi's training services and facilities.

Enppi Academy

- Enppi, through its KSA Branch, continues holding its position as a major investor in the human capital in the Kingdom of Saudi Arabia.
- The Alumni Development Program (ADP) aims to achieve capacity-building based on Enppi engineering expertise and proficiency that was built over decades of hands-on practice.



Celebrating the graduation of Saudi Aramco engineers after completing the Alumni Development Program (ADP), in the presence of Saudi Aramco VP for Projects and other Saudi Aramco GM's.

