

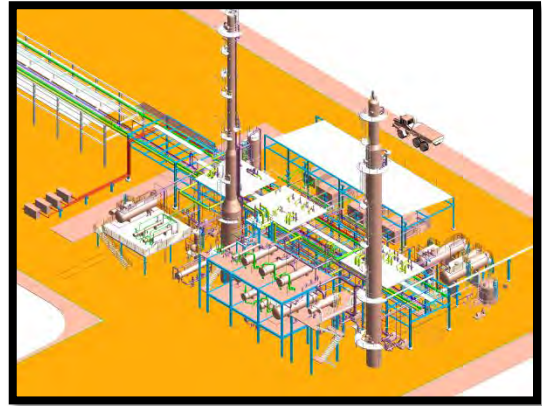
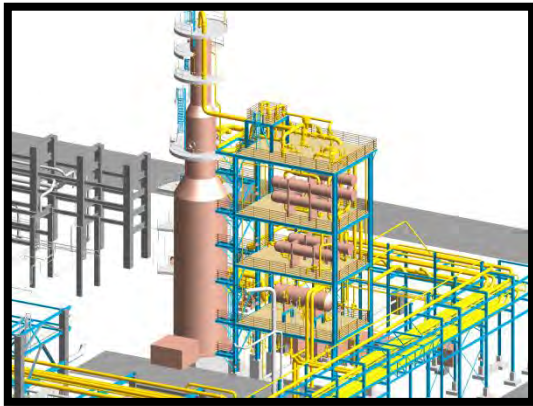
Projects & Experience



a. Oil Refining & Petrochemicals and Chemicals Experience



Oil Refining



New CCR & Platforming Unit Project

2015 / 2018



Client: Alexandria National Refining & Petrochemicals Co. (ANRPC)

Project Description

The project aims to increase the capacity of the existing refinery by building a new Continuous Catalytic Regeneration (CCR) & Plat-forming Unit with the relevant Regeneration Unit within its premises, based on UOP extended License. The new CCR will be designed to process 604,000 T/Y of Hydro-treated Heavy Naphtha from the existing Naphtha Hydro-treating Units to produce the following:

- Reformate with high Octane number (RON 100) utilized in the production of various types of gasoline
- Stabilized LPG
- Hydrogen which will be utilized in downstream future processing facilities within premises in Alexandria

Contract Type

Lump Sum for professional Services & Construction and Material Supply Cost Plus

Scope of Services

Detailed Engineering, Procurement and Material Supply, Construction including Construction, Supervision, Commissioning & Start Up and Overall Project Management

New Vacuum Distillation Unit

2014 / 2017



Client: Suez Oil Processing Company (SOPC)

Project Description

The project aims to install a new vacuum distillation unit for asphalt production by removing lighter fraction from long residue that is produced from the atmospheric distillation units processing Land, Marine Balayiém or equivalent crude oil. The new VDU for Asphalt production should be designed to produce 1,200 ton/day of asphalt and vapor gas oil.

Contract Type

Lump sum for professional services and material supply cost plus

Scope of Services

Basic & detailed engineering, procurement services, construction supervision, commissioning, start up assistance and overall project management



New Vapor Recovery Unit

2014 / 2017

Client: Suez Oil Processing Company (SOPC)

Project Description

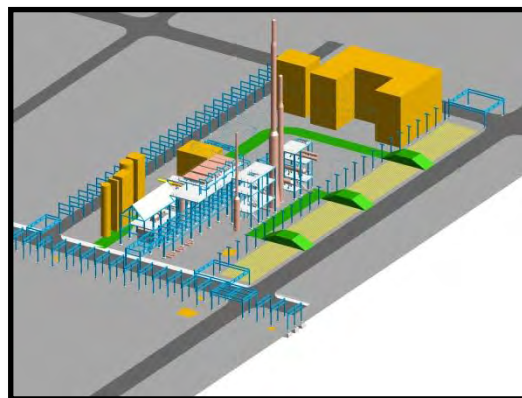
The project aims to install a new vapor recovery unit instead of the demolished existing Unit to accommodate the off gases from various gas streams generated by processing units in addition to a new electrical substation and a new control room. The new VRU unit design capacity is 200,000 T/Y.

Contract Type

Lump sum for professional services and material supply cost plus

Scope of Services

Basic & detailed engineering, procurement services, construction supervision, commissioning, start up assistance and overall project management



New Preflash Column System

2014 / 2016

Client: Middle East Oil Refinery (MIDOR)

Project Description

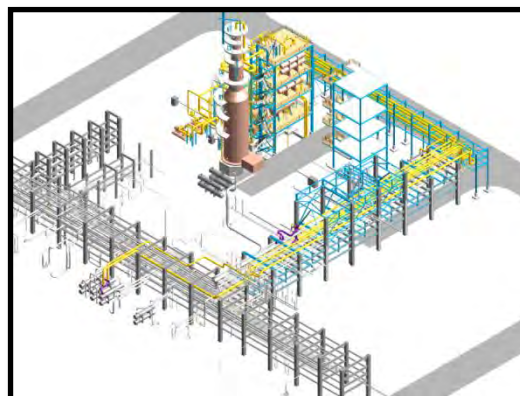
The project aims to install a New Pre-Flash Column to decrease the Vapor Load at Crude fired Heater in order to achieve design Unit throughput during processing Crude Oils with Higher API gravity and/or increase the CDU/VDU Unit-01 capacity to 115% in case of processing Crude Oil with same design API.

Contract Type

Lump Sum

Scope of Services

Basic and Detailed Engineering, Commissioning and Start-up Assistance



Engineering for the Petroleum & Process Industries - ENPPI

New Vapor Recovery Unit

2014 / 2016

Client: Assiut Oil Refining Company (ASORC)

Project Description

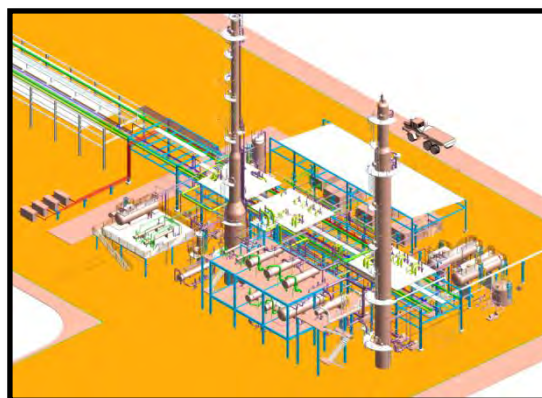
ASORC intends to build a New Vapor Recovery Unit with a feed capacity of 400,000 TON/YR to be working in parallel with the existing Vapor Recovery Unit and to serve the new Crude Distillation Unit currently under production since January 2003 with the possibility to serve the old Crude Distillation Unit and the future complex projects.

Contract Type

Lump sum

Scope of Services

- Basic and Detailed Engineering Services
- Procurement Services
- Construction Supervision
- Commissioning & start up Assistance



Installation of a New Naphtha Hydro Treating Unit

2009 / 2012

Client: Alexandria National Refining & Petrochemicals Co. (ANRPC)

Project Description

The project aims to install a new Naphtha Hydro Treating Unit with a capacity of 824000 metric ton per year treated Naphtha

Contract Type

EPC Consortium with Petrojet (Enppi Leader)

Scope of Services

Detailed engineering, procurement services, consortium activities including construction supervision and management, commissioning and start-up supervision

Licensor: UOP



Engineering for the Petroleum & Process Industries - ENPPI

Engineering and Design Services Project 2008 / 2010

Client: Deir El Zor Petroleum Company (DEZPC)

Project Description

Provision of integrated technical services to execute various projects in Syria for Deir Ezzor Petroleum Company (DEZPC). Through this contract, ENPPI will avail an integrated project team of various specialists throughout the contract duration (2 years).

Contract Type

Reimbursable

Scope of Services

Engineering services



Assiut Grass Root Refinery, 2.5 MM T/Y 1999 / 2001

Client: Assiut Oil Refining Company (ASORC)

Project Description

The project aims to increase the refining capacity by 2 MT/Y to produce:

- 516,000 T/Y Diesel
- 189,000 T/Y Kerosene
- 283,000 T/Y Naphtha
- 1,000,000 T/Y Fuel Oil

Contract Type

Lump-sum for professional services, cost plus for material supply & construction

Scope of Services

EPCM contractor: detailed engineering, procurement, construction, commissioning & start-up assistance, overall project management.



Light Naphtha Isomerization Plant 1997 / 1999

Client: Cairo Oil Refining Company (CORC)

Project Description

The project aims to install an Isomerization unit with a feed capacity of 1000 T/D to improve the Octane number of light Naphtha by using UOP license.

Contract Type

EPL turnkey – maximum ceil

Scope of Services

Detailed engineering, procurement, construction, supervision, commissioning & start-up and overall project management

Licensor: UOP



Naphtha Isomerization

1997 / 1999



Client: Amreya Petroleum Refining Company (APRC)

Project Description

The project aims to install an Isomerization unit with a feed capacity of 500 T/D to improve the octane number of light Naphtha and using UOP License.

Contract Type

EPCM: Lump-sum professional services, material supply disburseable and construction

Scope of Services

EPCM Contractor: detailed engineering, procurement, construction, commissioning & start-up assistance and overall project management

Licensor: UOP



Spent Lube Oil Re-refining Project

1994 / 1996



Client: Alexandria Petroleum Company (APC)

Project Description

Spent lube oil refining plant 30,000 tons/year feed of spent oil based on KTI, gas oil remover, high vacuum distillation, lube hydro-finishing & fractionation.

Contract Type

EPCM: Lump-sum for professional services, material supply disburseable and construction

Scope of Services

EPCM Contractor: detailed engineering, procurement, construction, commissioning & start-up assistance and overall project management

Licensor: KTI Know-how



Assiut Grass Root Refinery, 2.5 MM T/Y

1985 / 1987

Client: Assiut Oil Refining Company (ASORC)

Project Description

A grass root refinery 2.5 MM Tons/Year crude distillation unit, a vapor recovery unit and LPG, Naphtha caustic wash units.

Contract Type

Lump sum for services & guaranteed maximum for materials

Scope of Services

ENPPI performed front end study, basic & detailed engineering, procurement services & material supply, pre-commissioning & start-up. ENPPI also arranged the project finance from Lloyd's bank, ECGD & SAE.



Gas Oil & Lube Oil Dewaxing

1994 / 1995

Client: Amerya Petroleum Refining Company (APRC)

Project Description

- Gas Oil Rate: 6,500 BPSD
- Lube Oil Rate: 2,500 BPSD

Scope of Services

Completion of MOBIL process package up to basic engineering, Detailed engineering and Assistance in commissioning & start-up

Licensor: MOBIL research & development



Furfural Extraction Unit Revamp Project

1994 / 1995

Client: Alexandria Petroleum Company (APC)

Project Description

The project aimed to Converting the extraction method using Furfural as an extraction solvent to using NMP (Normal Methyl 2-Pyrolodone) because o the following:

- NMP is environmentally better than Furfural.
- NMP chemical characteristics that prefers it as a solvent.

Contract Type

Detailed Engineering services

Scope of Services

Carrying out the detailed design of the MP Refining Unit Revamp, Reviewing and finalizing the P&ID's with full piping, Designations (including pipe specifications, insulation thickness, valve, Designations), vendor equipment data and drain points, and reviewing hydraulics system and plot layout to ensure unit performance matches equipment specifications.

Licensor: Bechtel



Engineering for the Petroleum & Process Industries - ENPPI

Phenol Extraction Unit Upgrading to MP Refining Project



Client: Amerya Petroleum Refining Company (APRC)

Project Description

Converting the extraction method using Phenol as an extraction solvent to using NMP (Normal Methyl 2-Pyrrolidone) because of the following:

- NMP is environmentally better than Phenol.
- NMP chemical characteristics that prefers it as a solvent.
- Shortage in Phenol production.

Contract Type

Detailed Engineering services

Scope of Services

- Carrying out the detailed design of the MP Refining Unit Revamp, reviewing and finalizing the P&ID's with full piping, designations (including pipe specifications, insulation thickness, valve, Designations), vendor equipment data and drain points and reviewing hydraulics system and plot layout to ensure unit performance matches equipment specifications

Licensor: Bechtel



Chemicals & Petrochemicals



New Polyethylene Plant 400,000 MT/Y 2011 / 2015



Client: The Egyptian Ethylene and Derivatives Company (ETHYDCO)

Project Description

The project aims to 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.



Contract Type

EPC LSTK – Joint Venture ENPPI / Toyo engineering Corporation

Scope of Services

Engineering, Procurement, Construction and Overall Management

Licensor: UNIVATION TECHNOLOGIES LLC

Ethylene Cracker Project 2011 / 2015



Client: The Egyptian Ethylene and Derivatives Company (ETHYDCO)

Project Description

The project aims to execution of the EPC scope of work of the 460 KTA Ethylene and 20 KTA Butadiene project at Ameriya in Alexandria, Egypt.

Contract Type

EPC LSTK – Joint Venture ENPPI / Toyo engineering Corporation

Scope of Services

Engineering, Procurement, Construction and Overall Management

Licensor: ABB LUMMUS, Global / BASF TEL



Engineering for the Petroleum & Process Industries - ENPPI

Ethydco Complex New Flare System 2013 / 2015



Client: The Egyptian Ethylene and Derivatives Company (ETHYDCO)

Project Description

The project aims to execute a new flare system for the Ethylene Derivatives Complex in Alexandria.

Contract Type

Lump Sum for Professional Services

Scope of Services

Basic and Detailed Engineering, Procurement, Construction, Commissioning and start-up Assistance.

Polystyrene Plant (EPC Phase) 2008 / 2012



Client: Egyptian Styrenics Production Company (E-Styrenics)

Project Description

The new 200,000 tons/year polystyrene unit produces high impact and general purpose high quality grades of polystyrene, in addition to the supporting utilities and Feed & Product storage & handling facilities.

Contract Type

EPC LSTK – Consortium with Petrojet (Enppi Leader)

Scope of Services

Detailed engineering, material supply, commissioning, construction supervision, start-up & overall management as consortium leader

Licensor: INEOS



Engineering for the Petroleum & Process Industries - ENPPI

Damietta Methanol Project

2007 / 2009

Client: Techint / E-Methanex

Project Description

Execution of Methanol plant with production capacity of 3600 MTPD at Damietta-Egypt free zone

Contract Type

Professional services lump-sum

Scope of Services

Engineering services as S/C – Technit, ENPPI main engineering activities; process engineering, mechanical, piping, civil, Electrical & Instrumentation



Project Management Services for Egyptian Polypropylene Project

2007/2010

Client: Egyptian Propylene & polypropylene Company (EPP)

Project Description

The petrochemical complex; 350,000 MTA of polymer grade propylene and 350,000 MTA polypropylene (PP) as well as all associated utilities and off-sites

Contract Type

Lump-sum for professional services

Scope of Services

Project Management Services on behalf of EPPC, UHDE is the EPC main contractor, ENPPI scope covers all phases of engineering, procurement and construction.



Egyptian Linear Alkyl Benzene Project (ELAB) 2007/2009



Client: Egyptian Linear Alkyl Benzene (ELAB)

Project Description

The plant capacity is 100,000 ton per year of linear Alkyl Benzene. The main feeds for the complex are Kerosene / Jet A-1 fuel from Alexandria Petroleum Company (APC) & Ameriya Petroleum Refining Company (APRC), as well as, reformat and Hydrogen from Alexandria National & Petrochemicals Company (ANRPC).

Contract Type: EPC LSTK

ENPPI Scope of Services

(PHASE I) Professional services - license selection, basic engineering based on UOP license

(PHASE II) Professional services - detailed engineering through consortium GS E&C Leader / ENPPI / Petrojet

Licensor: UOP

UHDE Granulation Plant 2003 / 2005



Client: Krupp, UHDE GmbH

Project Description

The Project aims to fulfill the granulation process requirements of both Suez Fertilizer Company & Alexandria Fertilizer Company. The granulation process aims to produce 1,200 T/D Ammonia and 1,925 T/D Urea including utilities and off-site facilities.

Contract Type

Lump sum for professional services

Scope of Services

Detailed engineering & procurement Services



Engineering for the Petroleum & Process Industries - ENPPI

Lube Oil Blending Plant 1993 - 1995



Client: Misr Petroleum Company (MISR)

Project Description

The Project aimed to install Lube oil blending plant of capacity 150,000 tons/year (one shift).

Contract Type

EPC Turnkey, lump sum for professional services, disburseable for material supply and construction

Scope of Services

EPC Turn-key

Licensors: CELLIER know-how



Engineering for the Petroleum & Process Industries - ENPPI

b. Gas Production & Processing



Assil & Karam Gas Development Project 2011 / 2015



Client: Client: Badr Petroleum Company (Bapetco)

Project Description

The project aims to the Installation of CO2 removal Plant, utility facilities to support CO2 REMOVAL PLANT, 29KM P/L, Gas turbine generator, Air cooler, 2 Separators, Flare Package.

Contract Type

Professional Services & Construction Lump-sum, Material Disbursable – EPC Turnkey

Scope of Services

Detailed engineering, material supply, construction, commissioning & start-up



Qasr Gas Compression Project 2012 / 2015



Client: Khalda Petroleum Company (KPC) / Apache (Egypt)

Project Description

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

Contract Type

EPC LSTK (ENPPI Main Contractor)

Scope of Services

Engineering, procurement, Construction, Commissioning & Start-up and overall management



Engineering for the Petroleum & Process Industries - ENPPI

West Harbor Expansion Project 2010 / 2015



Client: Pharaonic Petroleum Company (PhPC)

Project Description

The project aims to expand West Harbor facility, which is currently processing 280 MMSCFD from Ha'py and 265 MMSCFD from Taurt fields; by providing an additional HP stage Compression Train and Expand the plant design capacity to 585 MMSCFD

Contract Type

EPC LSTK (ENPPI Main Contractor)

Scope of Services

Engineering, Material Supply, Construction, Commissioning and Start-up and Overall Management



Phase VII Main Compression Onshore Project 2009 / 2012



Client: Burullus Gas Company (Burullus)

Project Description

The project aims to the installation of a new 5x25% gas turbine driven compression trains, for Burullus Gas Company (a joint venture with BG), with a capacity of 642 Million Standard Cubic Feet per day in the 7th phase of Idku Hub plant, to accommodate the pressure declination of the plant inlet pressure from 58 to 30 bar gauge.

It also includes a new Finger type slug catcher, High Pressure Separators and all supporting utilities.

Contract Type

EPC LSTK (ENPPI Main Contractor)

Scope of Services

Basic & detailed engineering, Project Management, material supply, construction, commissioning & start-up



Engineering for the Petroleum & Process Industries - ENPPI

Yanbu Gas Plant Expansion 2006 / 2009

Client: Saudi Aramco

Project Description

The project aims to expand Yanbu NGL plant capacity from 390 to 585 MBOD. The work 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.

Contract Type

EPC LSTK (ENPPI Main Contractor)

Scope of Services

Detailed engineering, material supply, construction, commissioning & start-up



Extraction and Compression Project

Client: Petróleos de Venezuela, S.A. (PDVSA)

Project Description

The project aims to install a new NGL extraction plant in San Joaquin with a processing capacity of 1000 MMSCFD of natural gas.

Contract Type

Lump-sum for professional services & material supply cost plus

Scope of Services

Basic & detailed engineering & procurement services



Engineering for the Petroleum & Process Industries - ENPPI

PAGMI Project Phase I & II Gas conditioning for Domestic Market 2007 / 2013 (Different Phases)

Client: Petróleos de Venezuela, S.A. (PDVSA)



Project Description

Treating & Conditioning of gas produced from the offshore area in Northeastern Venezuela to be used in the domestic market in the PDVSA Complex, located in Güiria, Estado Sucre – Venezuela.

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



Contract Type

EPCM – Lump-sum for professional services, material supply cost plus and unit rates for construction works

Scope of Services

Basic engineering review, detailed engineering and procurement services for long lead equipment, construction management and overall management for phase I. Conceptual engineering and basic and detailed engineering for phase II

Khursaniyah Gas Plant 2005 / 2006

Client: Saudi Aramco / Bechtel



Project Description

The Khursaniyah gas plant includes two gas-conditioning trains, ethane and natural gas liquids recovery units process 1000 MMSCFD of natural gas, produce 550 MMSCFD sales gas, 240,000 BL/D ethane / natural gas liquids, and 1,800 metric tons / day sulfur. The complex will process natural gas from three onshore fields in the eastern province: Abu Hadriya, Fadhili, and Khursaniyah.

Contract Type

Professional services - reimbursable basis

Scope of Services

Engineering services (main contractor – Bechtel)



Engineering for the Petroleum & Process Industries - ENPPI

Ethane Recovery Project



Client: Petróleos de Venezuela, S.A. (PDVSA)

Project Description

Installation of 2200 MMSCFD gas sweetening plant to completely remove the CO₂ / H₂S and CO₂ dehydration for the natural gas upstream. The extraction facilities in ANACO and the dehydrated CO₂ (200 MMSCFD) will be used for well gas lift, in addition to retrofit of the San Joaquin extraction facilities Trains A & B to achieve 98 % ethane recovery. The scope includes provision of molecular sieve dehydration package along with its regeneration

(H₂O plus CO₂ 200 MMSCFD – well gas lift.)

Contract Type

Lump sum for professional services

Scope of Services

Basic & detailed engineering for sweetening package (ISBL), detailed engineering for C₂ extraction unit (ISBL) and overall project management & coordination



Fractionation Capacity Increase at Jose (ACFJ) Project



Client: Petróleos de Venezuela, S.A. (PDVSA)

Project Description

Development of new facilities to process the increase of NGL capacity to 50000 BPD in order to cover the requirements of the 1st phase of NGL production increase. Each fractionation train will be designed to produce propane, ISO-butane, n-butane, pentanes, gasoline, and heavy ends.

Contract Type

Lump sum for professional services / material supply cost plus

Scope of Services

Conceptual design, basic & detailed engineering, procurement services and construction supervision



Engineering for the Petroleum & Process Industries - ENPPI

Al-Khafji Field Development – Phase 1 2006 / 2010



Client: Al-Khafji Joint Operations (KJO)

Project Description

The field development for Khafji has been developed to maintain the maximum sustainable capacity of 300,000 Barrel Oil per Day and production of 125 Million Standard Cubic Feet Per Day of Associated gases, as well as, 50 Million Standard Cubic Feet Per Day gas lift, by installation of 6 new platforms, 8500 tons total structure weight and modification of 9 existing platforms, in addition to subsea pipelines with a total length of 110 kilometer sizing 24 inches, 28 inches, 36 inches and 42 inches and laying of 59 km subsea cables.



Contract Type

Consortium (Enppi – Petrojet - PMS - Rawabi) LSTK

Scope of Services

Engineering, material supply, supervision of onshore structure fabrication & offshore laying/installation, overall management, consortium leader and commissioning & start-up

Obayied Pre-Compression Project 2006 / 2009



Client: Badr Petroleum Company (BAPETCO)

Project Description

The project aims to restore Obayied Gas Plant (OGP) compression capacity by 420 MMSCFD through the installation of 2x50% compression train facilities to upgrade OGP pressure from 25 to 86 barg.

Contract Type

EPC turnkey – Lump-sum for professional services and construction works and disburseable for material supply

Scope of Services

Detailed engineering, procurement, construction supervision, commissioning & start-up assistance and overall project management



Engineering for the Petroleum & Process Industries - ENPPI

Sapphire Gas Development Project 2003 / 2005



Client: Burullus Gas Company (**Burullus**)

Project Description

Extension to the onshore existing Scarab/Saffron and Simian/Sienna facility to treat 665 MMSCFD of natural gas produced from Sapphire offshore deepwater fields to feed the onshore Egyptian LNG Plant.

Contract Type

EPC Lump-sum turnkey – consortium

Scope of Services

Consortium leader, overall Project management, basic & detailed engineering, procurement services, construction supervision, commissioning & start-up assistance



Simian / Sienna Gas Development Project 2003 / 2005



Client: Burullus Gas Company (**Burullus**)

Project Description

Extension to the onshore existing Scarab/Saffron facility to treat 665 MMSCFD of natural gas produced from Simian / Sienna offshore deep water fields to feed the onshore Egyptian LNG Plant.

Contract Type

EPC Lump-sum turnkey – consortium

Scope of Services

Consortium leader, overall project management, basic & detailed engineering, procurement services, construction supervision, commissioning & start-up assistance



Engineering for the Petroleum & Process Industries - ENPPI

Maximization of C2 / C3 from Western Desert Gas Fields 2005 / 2012 (Different Phases)



Client: The Egyptian Natural Gas Company (GASCO)

Project Description

The project aims to maximize C2 & C3 recovery in the Western Desert Gas Complex and Amerya Liquefied Petroleum Gas (LPG) plant. The recovered C2 & C3 in Amerya LPG plant will be transferred to Western Desert Gas Complex through a 12 inch pipeline to be processed within Western Desert Gas Complex, where the storage and loading facilities exist.



The project was executed in **three** phases; the **1st** tends to reach a production of 600 million standard cubic feet per day, the **2nd** stage tends to reach a production of 800 million standard cubic feet per day, and finally to reach by the **3rd** phase a total production of 900 million standard cubic feet per day.

Contract Type

Lump-sum for professional services / material supply disburseable

Scope of Services

EPCM: Techno-Economic / Feasibility Study, Basic and Detailed Engineering, Procurement, Construction Supervision, Commissioning & Start Up Assistance & Overall Project Management.

Western Desert Gas Complex 1997 / 2000



Client: The Egyptian Natural Gas Company (GASCO)

Project Description

The project aims to the treatment of 550 million standard cubic feet per day of natural gas produced from the western desert (Obaiyed, Salam and Tarek), to produce ethane & propane mixture of downstream ethylene and polyethylene production, commercial propane, sales gas, Liquefied Petroleum Gas (LPG) and condensate.

Contract Type

Lump-sum for professional services and disburseable for material supply

Scope of Services

EPCM: Techno-Economic / Feasibility Study, Basic and Detailed Engineering, Procurement, Construction Supervision, Commissioning & Start Up Assistance & Overall Project Management.



Engineering for the Petroleum & Process Industries - ENPPI

NGL Project at Port Said 2001 / 2004



Client: United Gas Derivatives Company (UGDC) (BP / Eni / GASCO)

Project Description

Installation of processing facilities for 1100 MMSCFD feed of natural gases produced from El- Gamil & HA'PY fields to produce propane, LPG, and condensates (dehydration package: 1100 MMSCFD molecular sieve one train).

Contract Type

Lump-sum for professional services and material supply disburseable

Scope of Services

EPCM: Basic Engineering Review, Detailed Engineering and Procurement, Construction, Commissioning & Start-Up Assistance and Overall Project Management



Damietta Export Facilities 2001 / 2004



Client: United Gas Derivatives Company (UGDC)

Project Description

Installation of Marine export facilities – cryogenic tank capacity (30,000m³) for propane storage produced from Port Said NGL process facilities

Contract Type

EPC turnkey – consortium (ENPPI / Tractebel) – lump-sum for professional services, cost plus fees for material supply and construction work

Scope of Services

FEED & detailed engineering, procurement, construction, commissioning, & start-up assistance



Engineering for the Petroleum & Process Industries - ENPPI

Professional Services for Denise Platform 2006 / 2008



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Upgrade of TNW2 existing platform to suit Denise gas field production, transmit additional capacity to onshore via 61 KM 32" offshore pipeline and 1 KM 32" pipeline onshore and upgrade of El Gamil onshore facilities.

Contract Type

Lump sum for professional services

Scope of Services

Basic & detailed engineering and procurement services

Semman Field Development 2006 / 2008



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Installation of new Semman platform (tripod plus deck) and laying of new 18" sea line from Semman to existing Darfeel platform with total length 20 Km.

Contract Type

Professional services reimbursable

Scope of Services

Basic engineering review, detailed engineering and procurement services



Taurt Onshore Detailed Engineering 2006 / 2007



Client: Gulf of Suez Petroleum Company (**GUPCO**)

Project Description

GUPCO intends to develop Taurt field through a sub-sea production system (SPS) that consists of 7 sub-sea wells tied with a manifold with well testing capability.

Contract Type

Professional services reimbursable

Scope of Services

Detailed Engineering for onshore part of Taurt gas field development project



Engineering for the Petroleum & Process Industries - ENPPI

Offshore North Sinai Field Development ONS 2005 / 2007 - NOSPCO



Client: The Egyptian Natural Gas Company (GASCO)

Project Description

Development of Tao offshore gas field, 60 km north of Rommana producing 130 MMSCFD of gas. The development includes offshore production wells, production platform, submarine pipeline, onshore gas treatment plant and sales gas pipeline, in addition to gas dehydration.

Contract Type

Lump-Sum for professional services and disbursable for material supply

Scope of Services

Detailed engineering for offshore topside facilities and onshore gas central processing facility, overall procurement services except pipelines and offshore structure steel, and construction supervision



Temsah – 4 Platform

2005 / 2007

Client: Belayim Petroleum Company (Petrobel)

Project Description

Installation of a new platform: 4 legs, 12-slot unmanned fixed offshore production platform at 85 m water depth and a capacity of 10 MMSCMD gas plus 3000 BPD condensate.

Contract Type

Lump-sum for professional services

Scope of Services

Basic & detailed engineering and procurement services



Engineering for the Petroleum & Process Industries - ENPPI

Baltim-N Platform 2003 / 2005



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install 4 legs 9-slots tubular steel frame jacket, and a fixed offshore production platform with a capacity of 4.7 MMSCMD Gas. Gas & Condensate are directed to Baltim east existing platform through an 18" Pipeline.

Contract Type

Lump sum for professional services

Scope of Services

Basic & detailed engineering and procurement services

Barboni Platform 2003 / 2005



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install a new platform in 91 m Water Depth, Capacity of 4.4 MMSCMD. Gas is transmitted to Noras P.L.E.M. via 26" subsea pipeline.

Contract Type

Lump-sum for professional services

Scope of Services

Basic & detailed engineering and procurement services



Rashid-2 Platform Project 2003 / 2004



Client: Rashid Petroleum Company (**RASHPETCO**)

Project Description

The project aims to install 4 legged unmanned steel jacket platform located at Rosetta 49 m water depth with a capacity of 265 MMSCFD and weighing 450 tons. The gas is transmitted through a 24" subsea pipeline to the onshore terminal for final processing, along with 3 (1X70 mm²) XLPE 12/20 KV 61 KM submarine cable with optical fiber bundle

Contract Type

Lump-sum for professional services

Scope of Services

Basic & detailed engineering and procurement services



Amerya LPG Recovery Plant

Client: Egyptian General Petroleum Corporation (EGPC)

Project Description

The project aims to install LPG recovery plant with inlet gas production capacity of 300 MMSCFD producing 360 T/D of LPG. The scope includes dehydration: 330 MMSCFD molecular sieve one train.

Contract Type

Lump-sum for professional services and disburseable for material supply and construction work

Scope of Services

Basic & detailed engineering and procurement services, construction supervision, commissioning & start-up assistance



Damietta LNG project

2002 / 2005

Client: SEGAS - Union Fenosa – M.W. Kellogg – UK

Project Description

The Project aims to install LNG plant at Damietta with production of 4.7 MMTY of LNG.

Contract Type

Lump-sum for engineering services, reimbursable for procurement services & construction supervision

Scope of Services

Detailed engineering for fractionators unit, procurement services & construction supervision



M.W. Kellogg Limited



Engineering for the Petroleum & Process Industries - ENPPI

Egyptian LNG Project 2002 / 2005



Client: The Egyptian Liquefied Natural Gas Company (ELNG)

Project Description

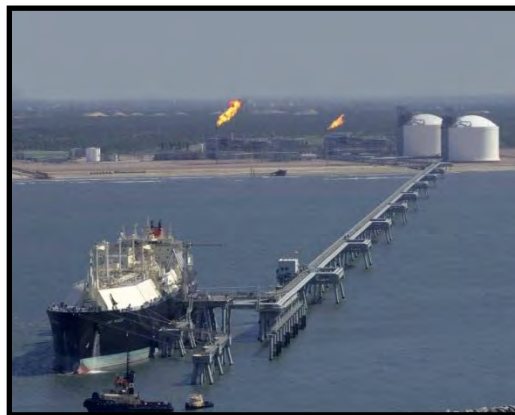
The 1st LNG project in Egypt, two trains LNG plant with a capacity of 3.6 MMTY LNG productions each, located In Idku, Beheira - Northern Coast of Egypt.

Contract Type

S/C. Lump sum for engineering services – Bechtel Houston

Scope of Services

Detailed engineering for: Inlet treating unit, buildings for power generation, LNG storage, flares, marine facilities & utilities



Rosetta Gas Field Development 1998 / 2000



Client: Rashid Petroleum Company (RASHPETCO)

Project Description

The project aims to install offshore production platform with a capacity of 275 MMSCFD. Gas is transmitted through a 24" gas subsea P/L 67 km to onshore terminal.

Contract Type

Lump sum for basic & detailed engineering reimbursable for construction supervision, commissioning and start-up assistance

Scope of Services

Detailed engineering, procurement services, construction supervision, commissioning & start-up assistance



Engineering for the Petroleum & Process Industries - ENPPI

Transgulf LPG Plant 1995 / 1999



Client: Egyptian General Petroleum Corporation (EGPC)

Project Description

Inlet gas production 130 MMSCFD - produce 960 T/D of LPG. The scope includes provision of molecular sieve dehydration package along with its regeneration 130 MMSCFD one train.

Contract Type

EPC turnkey - Lump sum for professional services and disburseable for material supply and construction works

Scope of Services

Detailed engineering, procurement services, construction supervision, commissioning and start-up assistance



Qantara Field Development 2000 / 2001



Client: Qantara Petroleum Company (QPC)

Project Description

Development of Qantara field with a total capacity of 8 MMSCFD to produce:

- 6 MMSCFD sales gas transferred to GASCO gas grid manifold through a 6" Pipeline 0.4 Km.
- 1000 BBL/Day transferred to the petroleum pipeline company 12" condensate pipeline through 4" pipeline to the Suez Refinery.

Contract Type

EPC Lump-sum turnkey

Scope of Services

Detailed engineering, material supply, construction, commissioning & start-up



Bed 2 Field Development

Client: Egyptian General Petroleum Corporation (EGPC)

Project Description

Bed 2 gas field includes a gas gathering and gas liquid separation, one gas production train, 180 MMCFD, train contains production separator, glycol dehydration unit and inter field pipelines between Bed-2 & Bed-3, in addition to third gas train in Bed-3. The scope also includes provision of TEG Dehydration package along with its regeneration.

Contract Type

Reimbursable MHR's

Scope of Services

Basic and detailed engineering as subcontractor through COMPRIMO



Bed 3 Field Development

Client: Egyptian General Petroleum Corporation (EGPC)

Project Description

Two identical gas conditioning trains, 90 MMSCFD capacity each, trains contains production separator, glycol dehydration unit, turbo-expander, LTS and sales gas compressor, the third train was added due to increase Bed-2 supply increase, oil production trains produces oil at 3 different levels with total capacity of 40,000 BBLD. The scope includes provision of Triethylene Glycol Dehydration package along with its regeneration.

Contract Type

Reimbursable MHR's

Scope of Services

Basic engineering, (subcontract of detailed engineering – International Bechtel Incorporation IBI UK) in addition to procurement services



Abu Sannan Condensate Recovery Plant

1988 / 1990

Client: General Petroleum Company (GPC)

Project Description

Gathering of 85 MMSCFD of natural gas from three gas fields (T, Y & Bed 1) through pipelines and delivered to a central processing area where condensate is recovered and spiked into GPC existing crude pipelines. The scope also includes provision of Tri-ethylene Glycol Dehydration package along with its regeneration.

Contract Type

Lump sum for professional services & disburseable for material supply and construction work reimbursable

Scope of Services

Detailed engineering, material supply, construction, commissioning & start-up



Abu Madi LPG Recovery

1989 / 1992



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The plant is designed to treat 260 MMSCFD produced at existing LTS units in order to recover LPG and condensate and deliver sales gas to users - dehydration: 260 MMSCFD Molecular Sieve.

Contract Type

Reimbursable maximum ceil man-hours

Scope of Services

Project management including basic and detailed engineering review and procurement services, in addition to partial detailed engineering and survey services as subcontractor to Snamprogetti



c. Crude Oil Production



Kalabsha Development Project 2010 / 2012



Client: Khalda Petroleum Company (KPC)

Project Description

The project aims to develop the facilities at Kalabsha and overcome the downstream bottlenecks till the receiving point at El Hamra facilities.

- 1st Phase: To produce 20,000 BOPD (completed)
- 2nd Phase: To produce 40,000 BOPD

Contract Type

EP scope: Lump-sum for Professional services and Cost Plus for Material Supply

Scope of Services

Basic and Detailed Engineering, procurement and Material supply



Kharir Development Project 2008 / 2010



Client: Total E&P Yemen

Project Description

The project aims to the installation of 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

Contract Type

EPC LSTK Consortium with Petrojet (Enppi Leader)

Scope of Services

Engineering, material supply, construction supervision, project management, commissioning, start-up assistance & consortium leader



Engineering for the Petroleum & Process Industries - ENPPI

Safaniya Water Disposal System Upgrade 2006 / 2009



Client: Saudi Aramco

Project Description

The project will expand Safaniya Arabian Heavy Crude and Utilities Plants to maintain the plant's crude oil demand until 2011. New facilities shall be added to overcome the expected increase of Water Content from 17% to 35% in Safaniya Crude oil by 2011; which allows for increasing maximum sustain rates & water wash from 383 to 805 MBOD:

- 3 Low Pressure Production Trap (LPPT) phase separators – 1053 MBOD separation
- 3 Formation Water Draw-off pumps – 318 MBOD
- 6 Corrugated Plate Interceptors CPI's – Total rating 364 MBOD
- Formation Water Treatment – Rated by 847 MBOD
- Additional 230 KV electric feeders, Others: Substation / Control System / Utilities



Contract Type

EPC LSTK (Main Contractor)

Scope of Services

Engineering, material supply, construction, commissioning & start-up and overall management

Al-Khafji Field Development – Phase 1 2006 / 2010



Client: Al-Khafji Joint Operations (KJO)

Project Description

The field development for Khafji has been developed to maintain the maximum sustainable capacity of 300,000 Barrel Oil per Day and production of 125 Million Standard Cubic Feet Per Day of Associated gases, as well as, 50 Million Standard Cubic Feet Per Day gas lift, by installation of 6 new platforms, 8500 tons total structure weight and modification of 9 existing platforms, in addition to subsea pipelines with a total length of 110 kilometer sizing 24 inches, 28 inches, 36 inches and 42 inches and laying of 59 kilometer subsea cables.



Contract Type Consortium (Enppi – Petrojet - PMS - Rawabi) LSTK

Scope of Services

Engineering, material supply, supervision of onshore structure fabrication & offshore laying/installation, overall management, consortium leader and commissioning & start-up



Engineering for the Petroleum & Process Industries - ENPPI

GUPCO Rehabilitation Project 2005 / 2015 (Long-Term Contract)



Client: Gulf of Suez Petroleum Company (GUPCO)

Project Description

The project aims to the Rehabilitation of BP 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 sub-sea pipelines.

The aim of the overall rehabilitation project was to make sure that the whole system could safely operate for at least additional 25 years maintaining the best possible operating conditions and capacities. A qualitative risk based approach had been followed for the whole 119 platforms in order to evaluate the hazard of structural failure.

Contract Type

Professional services and cost plus for material & subcontractors

Scope of Services

EPCM: basic & detailed engineering, procurement services & construction management

Tanak / Omar Vapor Recovery / Tanak Water Injection 2001 / 2003



Client: Al Furat Petroleum Company

Project Description

2 associated vapor recovery units, capacity 2.7 MMSCFD & 3.5 MMSCFD ; new Water injection unit 900 cubic meter/hour at Tanak area, related pipelines 36 Km 10", 11 Km 8", 4 Km 4" and utilities.

Contract Type

Lump-sum turnkey

Scope of Services

Basic & detailed engineering, construction, procurement, material supply, commissioning & start-up



Engineering for the Petroleum & Process Industries - ENPPI

SABAN / JARNOF - AZRAK / MALEH 1999 / 2000



Client: Al Furat Petroleum Company

Project Description

Upgrade the maximum production capacity of Saban/Jarnof field to 45,000 b/d and upgrade production capacity of Azraq / Maleh field from 35,000 to 55,000 b/d and installation of a new 8.4 km - 10" pipeline.

Contract Type

EPC LSTK (Main Contractor)

Scope of Services

Basic / detailed engineering, construction, procurement, material supply, commissioning & start-up

Crude Treatment Plant (RAS BAKR) 1999 / 2001



Client: General Petroleum Company (GPC)

Project Description

Treatment for oil with a capacity of 50,000 B/D, including water separation and desalination units.

Contract Type

Lump-sum professional services, disburseable for material supply and construction

Scope of Services

Basic / detailed engineering, construction, procurement, material supply, commissioning & start-up and Overall Management



Engineering for the Petroleum & Process Industries - ENPPI

Meleiha Field Development 1997 / 1999



Client: Agiba Petroleum Company (AGIBA)

Project Description

Upgrade the existing production facilities to accommodate the additional condensate received from El Obayed Field.

Contract Type

Lump-sum for professional services, disburseable for material supply and construction

Scope of Services

Basic / detailed engineering, construction, procurement, material supply, commissioning & start-up

Ras Qattara (El Faras) South Field Development 1996 / 1997



Client: Agiba Petroleum Company (AGIBA)

Project Description

Production capacity is 10,000 BBL/D. The project includes pipeline, gathering system, flow station, utilities and storage. Pipeline system includes transfer pumps, pipeline 55 Km, 6 inch to tie-in flow station with BAPETCO.

Contract Type

Lump sum for professional services, disburseable for equipment, materials and construction

Scope of Services

Basic & detailed engineering, procurement, construction supervision, commissioning, start-up and project management services



Port Fouad Gas Field Development 1994 / 1996



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

1. Offshore Facilities: Four legs (27m water depth) Unmanned platform for the installation of the wellheads, test and production separators, glycol injection facilities produced water separation, treatment and disposal pig traps.
2. Sealines: 12" mixed phase sealine (44 km) for the transportation of the recombined gas and condensate stream, 3" sealine for glycol supply.
3. Onshore Facilities: slug catcher, LTS unit, condensate stabilization unit, and floating roof tanks to store gasoline, dry gas centrifugal compressor.
4. Transportation to Port Said: 14" pipeline (20 km) for dry gas transportation.

Contract Type

Reimbursable, Lump sum

Scope of Services

Basic engineering review, engineering and procurement assistance for onshore facilities

SUMED Pipeline Throughput Achievement 1992 / 1994



Client: Arab Petroleum Pipelines Co. (**SUMED**)

Project Description

Crude pipeline throughput achievement from 80 to 117 MM T/Y consisting of three areas as follows:

- **Ain Sukhna:** Effluent treatment System (1000 M3/H) Expansion
- **Dahshour:** Two new pumping Stations (three pumps 8000 M3/H each) site facilities
- **Sidi Kreir:** three pumps 4000 M3/H each

Contract Type

EPCM Contractor: Lump-sum for professional services, reimbursable for material supply and construction

Scope of Services

Basic & detailed engineering, procurement services, construction supervision, commissioning, & start-Up



d. Pipelines Experience



Offshore Pipelines Experience



Al-Khafji Field Development – Phase 1 2006 / 2010



Client: Al-Khafji Joint Operations (KJO)

Project Description

The field development for Khafji has been developed to maintain the maximum sustainable capacity of 300,000 BOPD and production of 125 MMSCFD of associated gases, as well as, 50 MMSCFD gas lift, by installation of 6 new platforms, 8500 tons total structure weight and modification of 9 existing platforms, in addition to subsea pipelines with a total length of 110 km sizing 24", 28", 36" and 42 " and laying of 59 km subsea cables.

Sizing / length

Total Pipelines length 110 km, sizes 24" / 28" / 36" / 42" and laying of subsea cables with a total length of 59 km

Contract Type

Consortium (Enppi – Petrojet - PMS - Rawabi) LSTK

Scope of Services

Engineering, material supply, supervision of onshore structure fabrication & offshore laying/installation, overall management, consortium leader and commissioning & start-up



Semman Field Development 2006 / 2008



Client: Belayim Petroleum Company (Petrobel)

Project Description

Installation of new Semman platform (tripod plus deck) and laying of new 18" sea line from Semman to existing Darfeel platform with a total length of 20 Km, top site facilities of Semman platform will be operated by Blown down system.

Sizing / length

18" 20 km subsea P/L

Contract Type

Lump Sum for professional services

Scope of Services

FEED review, detailed engineering and procurement services



Engineering for the Petroleum & Process Industries - ENPPI

Professional Services for Denise Platform 2006 / 2008



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Upgrade of TNW2 existing platform to suit Denise gas field production, transmit additional capacity to onshore via 61 KM 32" offshore pipeline and 1 KM 32" pipeline onshore.

Sizing / length

61 KM 32" Offshore Pipeline & 1 KM 32" Onshore

Contract Type

Lump Sum for professional services

Scope of Services

FEED, detailed engineering and procurement services



Anshoga Field Development Project

Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Anshoga filed one tripod platform accommodate two wells & 18" sealine, 6.2km to transport produced gas to existing plem at Nouras "A" area.

Sizing / length

18" 6km

Contract Type

Lump Sum for professional services

Scope of Services

FEED, detailed engineering and procurement services



Temsah – 4 Platform

2005 / 2007

Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install 4 legs, 12-slot unmanned fixed offshore production platform at 85 m water depth and capacity of 10 MMSCFD gas plus 3000 BBLD condensate.

Sizing / length

24" gas pipeline 5.5 Km, 10" condensate P/L 5.5 Km, 4" produced water 5.5 Km and 3" instrument gas 5.5 Km-offshore

Contract Type

Lump Sum for professional services

Scope of Services

FEED, detailed engineering & procurement services



Temsah N.W. Platform TNWP-2



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

New Temsah North West platform TNWP-2 and associated sealine

Sizing / length

24" 2km gas, 10" 2km condensate, 4" 2km water and 3" 2km glycol

Contract Type

Lump Sum for professional services

Scope of Services

Engineering and procurement services



Baltim-N Platform

2003 / 2005

Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install 4 legs 9-slots tubular steel frame jacket, and a fixed offshore production platform with a Capacity of 4.7 MMSCMD Gas. Gas & Condensate are directed to Baltim east existing platform through an 18" Pipeline.

Sizing / length

18" gas pipeline 20km & 4" produced water 20km offshore

Contract Type

Lump Sum for professional services

Scope of Services

FEED, detailed engineering & procurement services



PF-D & RPP Development

2003 / 2005

Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install sealine; new well, new offshore structure PF-D will be located on the well to deliver the production through 12" sealine to RPP platform

Sizing / length

26" gas 55km, 12" multiphase 5km and 3" 5km instrument gas

Contract Type

Lump Sum for professional services

Scope of Services

FEED review, detailed engineering & procurement services



Engineering for the Petroleum & Process Industries - ENPPI

Onshore Pipelines Experience



Provision of PMC for Missan Oil Export Pipeline (MOEP) 2013 / 2015



Client: PetroChina Company Limited

Project Description

Missan 42" Oil export pipeline is designed to handle 1,000,000 BOPD, and starts at the designated Halfaya junction point (meeting point of Halfaya and Buzurgan oil field branch pipelines) in Missan Governorate.

The pipeline is divided into two segments; Segment "A" extends for 121 km between Halfaya and Bin-Umr, while Segment "B" extends for 151 km between Bin-Umr and Faw terminal. The pipeline is fitted with SCADA system and 15 block valve stations along its entire route.



Contract Type

PMC – Reimbursable MHRS

Scope of Services

Project Management Consultancy services, including review Basic/Detailed Engineering, procurement and construction supervision

Crude Oil Supply from Yanbu Crude Oil Terminal (YCOT)



Client: Yanbu Aramco Sinopec Refining (YASREF)

Project Description

The project aims to supply YASREF crude oil tanks with Arab Heavy crude oil from YCOT existing plant through existing YCOT YR Pumps. The project starts at the common discharge U/G header of YCOT tanks T-1, 2 and 3 where a new interconnecting A/G pipeline will be connected to reach the Existing YR pumps. The YR pumps discharge will then be connected to a new metering skid before connecting to the interface point with SP2 inside YCOT fence.



Contract Type

EPC LSTK

Scope of Services

Basic & detailed engineering, procurement and construction



Engineering for the Petroleum & Process Industries - ENPPI

El Nubaria / El Sadat & El Sadat / El Fayoum Pipelines 2010 / 2012



Client: The Egyptian Natural Gas Company (GASCO)

Project Description

The project aims to install two gas transmission pipelines and associated facilities:

- 32" Nubaria / El Sadat city - 70 Km
- 42" El Sadat / El Fayoum - 80 Km

Contract Type

Lump Sum for Professional Services, Material Supply & Subcontracts - Cost Plus

Scope of Services

Engineering & Procurement services / Material Supply



Assiut / Aswan Gas Pipeline and Dahshour Compression Station

2008 / 2012



Client: Egyptian Natural Gas Holding Company (EGAS)

Project Description

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

Contract Type

Lump Sum for professional services , Material Supply
Disbursable

Scope of Services: Route selection, surveying, basic and detailed engineering, procurement Service, construction supervision and overall project management.



Neem Export Pipeline 2006 / 2008



Client: Greater Nile Petroleum Operating Company (GNPOC)

Project Description

The project aims to install a 16"- 100 km long crude oil export pipeline and transport the dehydrated crude to Diffra field production facility (DFPF) – S.W. Sudan 760 Km from Khartoum.

Sizing / length

16 inch 100 KM

Contract Type

Lump Sum for professional services

Scope of Services

Basic & detailed engineering and procurement Services

Arab Gas Pipeline Phase I: Inter Sinai Gas Pipeline Project 1999 / 2001



Client: Belayim Petroleum Company (Petrobel)

Project Description

The project aims to install 36", 193 km - gas pipeline from East Bank of Suez Canal to terminal area eastward of el Arish city, in addition to communication systems, leak detection systems & cathodic protection systems.

Sizing / length

36", 193 km

Contract Type

Lump Sum for professional services

Scope of Services

Basic engineering review, detailed engineering, procurement services, prepare and issue construction tender package and project management



Engineering for the Petroleum & Process Industries - ENPPI

Arish-Taba Gas Pipeline 2001 / 2003



Project Description

The project aims to install 36" P/L 250 KM from Arish to Taba 10 BCM / Year to export the Egyptian sales gas across the Gulf of Aqaba, in addition to executing new control building at Taba. The scope included pipeline communication systems, leak detection systems & cathodic protection systems.

Sizing / length

36", 250 km

Contract Type

Lump Sum for professional services, Material supply disburseable

Scope of Services

Arish / Taba Gas pipeline topographical survey, basic, detailed engineering & procurement services



Aqaba Thermal Power Station 2002 / 2003



Client: East Gas Company (EGC)

Project Description

The Project aims to execute a receiving and metering station for the gas transmitted from Taba in Egypt to Aqaba - Jordan along with the associated facilities

Contract Type

Lump Sum for professional services

Scope of Services

Basic engineering and commissioning & start-up assistance



Arab Gas Pipeline Phase II:

1st Stage: Aqaba to Rehab Power Station P/L 2004 / 2006



Client: Jordanian Egyptian FAJR for Natural Gas Transmission and Supply Co. Ltd. (**FAJR**)

Project Description

The project aims to transmit and compress Egyptian gas from Aqaba to Rehab power station by installation of Aqaba compression station, **36", 394 km** pipeline – 10 BCM/y gas, metering, and SCADA system. **Sizing / length:** 36", 394 km up to Rehab north power station

Contract Type

Lump Sum for professional Services & Construction, Material supply disburseable

Scope of Services

EPC Turn-key consortium, techno-economic study, feasibility study, review funding mechanism, set project financial scheme, conceptual design & feed, basic & detailed engineering, procurement services, material supply, construction supervision, commissioning & start up assistance, overall management and consortium leader



Arab Gas Pipeline Phase II:

2nd Stage: Rehab Power Station to Jordan/Syrian Borders P/L 2006 / 2008



Client: Jordanian Egyptian FAJR for Natural Gas Transmission and Supply Co. Ltd. (**FAJR**)

Project Description

The project aims to transmit natural gas from Rehab power station to Jordanian / Syrian borders through a **36", 30 km** pipeline – 10 BCM/y gas, metering skids, and SCADA system

Sizing / length:

36", 30 km from Rehab north power station to the Jordanian and Syrian borders.

Contract Type

Lump Sum for professional services & Construction, Material supply disburseable

Scope of Services

EPC Turn-key consortium, techno-economic study, feasibility study, review funding mechanism, set project financial scheme, conceptual design & feed, basic & detailed engineering, procurement services, material supply, construction supervision, commissioning & start up assistance, overall management & consortium leader



Tanak / Omar Vapor Recovery 2001 / 2003

Client: Al Furat Petroleum Company

Project Description

Installation of 2 associated vapor recovery units with a capacity of 2.7 MMSCFD & 3.5 MMSCFD at Tanak & Omar areas; and installation of a new water injection unit 900 cubic meter/hour at Tanak area in addition to the related pipelines and utilities.

Sizing / length

- 10" 36km (Tanak Omar Gas Pipeline) Carbon Steel (API 5LX42)
- 8" 11 Km (Maleh water pipeline) Carbon Steel (API 5L X42)
- 4" 4 Km (Omar CBF / Omar GSA gas condensate pipeline) Carbon Steel (API 5L X42)

Contract Type

Main Contractor LSTK

Scope of Services

Basic & detailed engineering, construction, procurement, commissioning & Startup



New Karama Pipeline 2007/ 2008

Client: Qarun Petroleum Company (QPC)

Project Description

Installation of a new 10" / 120 km pipeline from Karama to Qarun and installation of 2 transfer pumps at Karama area

Sizing / length

20,000 B/D (10" 120 Km crude) between Qarun & Karama

Contract Type

Lump Sum for professional services

Scope of Services

Detailed engineering services



Engineering for the Petroleum & Process Industries - ENPPI

Management Services for 3 Natural Gas Pipelines

Client: Egyptian Natural Gas Holding Company (EGAS)

Project Description

Installation of three new natural gas pipelines:

- Taba / Sharm El Sheikh (20" 208km)
- Banisuef / Abu Qurkas (phase1) (32" 150km)
- Shukair / Hurghada (phase1) (24" 127km)

Sizing / length

20" 208 km/ 32" 150 km/ 24" 127 km

Contract Type

Reimbursable MHRs

Scope of Services

Management Services



Sharara Mellitah Pipeline Extension

2004 / 2005

Client: AGIP

Project Description

30" Crude Oil Pipeline from Sharara area to Melittah - 750 km, where the new pipeline will be executed three sections including Metering skids, Scada System.

Sizing / length

30" 750 KM

Contract Type

Lump Sum for professional services

Scope of Services

Basic & detailed engineering services



Sapphire Condensate Export Pipeline

2004 / 2005

Client: Burullus Gas Company (**Burullus**)

Project Description

10" O.D condensate Pipeline from Idku pumping station to Damanhur and a new 12 O.D pipeline from Damanhur to Tanta, in addition to 2 new tanks at Tanta terminal

Sizing / length

10" and 12" - total length is 100 KM

Contract Type

Main Contractor LSTK

Scope of Services

Basic & detailed engineering, procurement, construction & start-up assistance, Lump sum, including material supply and construction works



Off-fence Pipeline & Facilities

1998 / 2001

Client: Middle East Oil Tankage and Pipelines (MIDTAP)



Project Description

The project aims to install crude pipeline (26"12 Km), gasoline pipeline (20"18 Km), kerosene/diesel pipeline (21 Km), multi-purpose heavy products exchange pipeline (21 Km) and effluent water pipeline. The scope also includes pipeline communication systems and leak detection system.

Sizing / length

Crude P/L 26" 12Km, Gasoline P/L 20" (18 Km), Kerosene/diesel P/L (21 Km), Multi-purpose heavy products exchange P/L (21 Km), effluent water P/L 16" 6.5 KM / carbon steel material

Contract Type

Lump Sum for professional services, Material Supply Disbursable

Scope of Services

Basic & detailed engineering, procurement services/material supply and assistance for commissioning & start-up



e. Offshore Capabilities & Experience



DEKA (Denis – Kawaran) Subsea Field Development 2012 – 2014



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to develop Denis and Karawan areas by drilling 5 new wells and collecting the produced gas be PLEMs, and protecting the pipelines using HIPPS, and controlling the wells throw umbilicals, utilizing Subsea X-mas tree technology



Contract Type

Lump-sum for professional services

Scope of Services

Technical Support and issuance of technical evaluation report for project equipment suppliers

SETH Offshore Development Project 2011 / 2012



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install 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.

Contract Type

EPC LSTK – Consortium of ENPPI / Petrojet / Tecnomare (Enppi Leader)

Scope of Services

Detailed engineering for topside facilities, procurement services and material supply and assistance for commissioning and startup



Engineering for the Petroleum & Process Industries - ENPPI

GUPCO Rehabilitation Project 2005 / 2015 (Long-Term Contract)



Client: Gulf of Suez Petroleum Company (GUPCO)

Project Description

The project aims to the Rehabilitation of BP 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 sub-sea pipelines. The aim of the overall rehabilitation project was to make sure that the whole system could safely operate for at least additional 25 years maintaining the best possible operating conditions and capacities. A qualitative risk based approach had been followed for the whole 119 platforms in order to evaluate the hazard of structural failure.

Contract Type

Professional services and cost plus for material & subcontractors

Scope of Services

EPCM: basic & detailed engineering, procurement services and construction management

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

Client: Al-Khafji Joint Operations (KJO)

Project Description

The field development for Khafji has been developed to maintain the maximum sustainable capacity of 300,000 Barrel Oil per Day and production of 125 Million Standard Cubic Feet Per Day of Associated gases, as well as, 50 Million Standard Cubic Feet Per Day gas lift, by installation of 6 new platforms, 8500 tons total structure weight and modification of 9 existing platforms, in addition to subsea pipelines with a total length of 110 kilometer sizing 24 inches, 28 inches, 36 inches and 42 inches and laying of 59 kilometer subsea cables.

Contract Type: Consortium (Enppi – Petrojet - PMS - Rawabi) LSTK

Scope of Services: Engineering, material supply, supervision of onshore structure fabrication & offshore laying/installation, overall management, consortium leader and commissioning & start-up



Engineering for the Petroleum & Process Industries - ENPPI

Hilal Re-Development Project (FEED Stage) 2010 / 2011



Client: Gulf of Suez Petroleum Company (GUPCO)

Project Description

The project aims to replace the old Hilal platform which was damaged due to a ship Collision by installing a 4 legged, nine-slot normally unmanned production platform at 80 m water depth.

Contract Type

Lump-sum for professional services

Scope of Services

Front End Engineering Design (FEED) including engineering of the platform jacket, topsides and tie-ins to subsea pipelines, long lead requests for RFQs, project cost estimate and FEED technical package.



Amer 8 Platform and related Onshore & Offshore Facilities Development Project 2008 / 2013



Client: General Petroleum Company (GPC)

Project Description

The project aims to install a 4 legged, six-slot production platform with 1100 tons lift weight at 24 m water depth. The production capacity is 10,000 BPD. The platform is designed to support two risers & two J-tubes. The platform is equipped with Bell 412 helideck.

Contract Type

EPC – Consortium (ENPPI/Petrojet/PMS) – (Enppi Leader)

Scope of Services

Basic & detailed engineering, procurement services, construction, offshore installation works, commissioning & start-up and overall management.



Engineering for the Petroleum & Process Industries - ENPPI

Re-Feed for Northwest October Field 2010 –2011



Client: PETROSALAM (J.V. with Arabian Oil Company Ltd. - AOC)

Project Description

The project aims to develop of a single nine-slot platform with ESP, 10" subsea pipeline 22 km total length, and onshore receiving facilities at Gulf of Suez. Expected production rate 10,000 BOPD.

The offshore platform will be installed by using the Mobile Offshore Application Barge (MOAB) system (design concept by Overdick GMBH – Germany)

Contract Type

Lump Sum for professional services

Scope of Services

Front End Engineering Design (FEED)

Global Re-Assessment of Structures in MM & BH-PH 2009 / 2010



Client: Qatar Petroleum (QP)

Project Description

The re-assessment of the platforms structure consists of the following:

16 platforms	22 connecting bridges
3 support jackets	3 satellite platforms
54 wellhead platforms	4 flare systems

Contract Type

Lump-sum for professional services

Scope of Services

Engineering Services



Engineering for the Petroleum & Process Industries - ENPPI

Northwest October Field Development (FEED Stage) 2008 / 2009



Client: Arabian Oil Company Ltd (AOC)

Project Description

The project aims to develop a single six-slot platform at the Gulf of Suez with ESP, subsea 8" multiphase pipeline, subsea 6" water injection pipeline and onshore receiving facilities within SUCO Ras Badran existing facility. The expected production rate is 6,000 BOPD. The onshore receiving facilities will have a three-phase production separator, metering equipments and onshore control room. The separated fluids will be further treated onshore.

Contract Type

Lump-sum for professional services – reimbursable for number of specialized studies (e.g. RAM, EIA, etc...

Scope of Services

Front End Engineering Design (FEED)



North Idku Development Project 2008 / 2010



RWE

Client: Suez Oil Company (SUCO)

Project Description

The project aims to install two new platforms and topside facilities as well as the export pipeline and flow line systems at North of Idku in addition to the required modifications at WEPCO plant in Maadi.

Contract Type

Lump-sum for professional services

Scope of Services

Engineering services for the platform structure and topside facilities including issuance of MRQ's and participation in technical evaluation.



Engineering for the Petroleum & Process Industries - ENPPI

TUNA Field Development

2008 / 2010

Client: Belayim Petroleum Company (**Petrobel**)

Project Description

PETROBEL intends to develop 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.

Contract Type

EPC LSTK– Consortium of ENPPI, Technomare and Petrojet (Enppi Leader)

Scope of Services

Detailed engineering, procurement services for subsea pipeline and material supply of topside facilities



North Bardawil Development

2007 / 2008

Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to upgrade the Barboni Platform (topside and structure) to accommodate the new gas production of Assad and Zaraf fields, including a new sub-sea system, umbilical, control and subsea pipeline tied from Assad & Zaraf fields to Barboni platform, 14", 25 km.

Contract Type

Lump-sum professional services

Scope of Services

Basic engineering review, detailed engineering and project management



Denise Platform

2006 / 2008

Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Upgrade of TNW2 existing platform to suit Denise gas field production, transmit additional capacity to onshore through 32" 61 Km offshore pipelines and 32" 1 KM onshore and upgrade of El Gamil onshore facilities.

Contract Type

Lump-sum for professional services

Scope of Services

Basic and detailed engineering and procurement services



Engineering for the Petroleum & Process Industries - ENPPI

Baltim-NW2 Platform 2003 / 2005



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install a 12-slots RULE platform with a capacity of 10 MMSCMD Gas. Gas, water, & condensate are transmitted onshore through 24", 10" & 4" and subsea PLEM-2km distance

Contract Type

Lump sum for professional services

Scope of Services

Basic & detailed engineering and procurement services

Rashid-2 Platform Project 2003 / 2004



Client: Rashid Petroleum Company (**RASHPETCO**)

Project Description

The project aims to install 4 legged unmanned steel jacket platform located at Rosetta 49 m water deep with a capacity of 265 MMSCFD and weighing 450 tons. The gas is transmitted through a 24" subsea pipeline to the onshore terminal for final processing, along with 3 (1X70 mm2) XLPE 12/20 KV 61 KM submarine cable with optical fiber bundle.

Contract Type

Lump-sum for professional services

Scope of Services

Basic & detailed engineering and procurement services



Engineering for the Petroleum & Process Industries - ENPPI

Semman Field Development 2006 / 2008



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Installation of new Semman platform (tripod plus deck) and laying of new 18" sea line from Semman to existing Darfeel platform with total length 20 Km.

Contract Type

Professional services reimbursable

Scope of Services

Basic engineering review, detailed engineering and procurement services



Al Hamd Platform 2004 / 2005



Client: General Petroleum Company (**GPC**)

Project Description

The project aims to install 1000 tons well head platform at 37 m water depth with a capacity of 12,000 BPD crude oil. The production is transmitted onshore through an 8" pipeline and submarine power cable at Ras Bakr.

Contract Type

EPC main contractor: Lump sum for professional services, construction, and offshore fabrication works disburseable for material supply

Scope of Services

Basic & detailed engineering, procurement services, construction, offshore fabrication works, commissioning, start-up, and overall management



Engineering for the Petroleum & Process Industries - ENPPI

Offshore North Sinai Field Development ONS 2005 / 2007 - NOSPCO



Client: North Sinai Petroleum Company (**NOSPCO**)

Project Description

Development of Tao offshore gas field, 60 km north of Rommana producing 130 MMSCFD of gas. The development includes offshore production wells, production platform, submarine pipeline, onshore gas treatment plant and sales gas pipeline, in addition to gas dehydration.

Contract Type

Lump-sum for professional services and disburseable for material supply

Scope of Services

Detailed engineering for offshore topside facilities and onshore gas central processing facility, overall procurement services except pipelines and offshore structure steel, and construction supervision



Temsah – 4 Platform 2005 / 2007



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install 4 legs, 12-slot unmanned fixed offshore production platform at 85 m water depth with a capacity of 10 MMSCFD gas plus 3000 BBLD condensate.

Contract Type

Lump-sum for professional services

Scope of Services

Basic & detailed engineering and procurement services



Barboni Platform

2003 / 2005



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install a new platform at 91 m water depth, capacity of 4.4 MMSCMD. Gas is transmitted to Noras P.L.E.M. through 26" subsea pipeline.

Contract Type

Lump-sum for professional services

Scope of Services

Basic & detailed engineering and procurement services



Baltim-N Platform

2003 / 2005



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

The project aims to install 4 legs 9-slots tubular steel frame jacket, and a fixed offshore production platform with a Capacity of 4.7 MMSCMD Gas. Gas & condensate are directed to Baltim east existing platform through an 18" Pipeline.

Contract Type

Lump sum for professional services

Scope of Services

Basic & detailed engineering and procurement services

Simian / Sienna Control Platform

2002 / 2004



Client: Burullus Gas Company (**Burullus**)

Project Description

Development of the Simian / Sienna field through deep water subsea facilities, tied back to the existing Scarab / Saffron offshore pipeline system - control platform – upgrading / modification onshore gas plant facilities.

Contract Type

Lump-sum (Subcontract services to Technip)

Scope of Services

Engineering for the platform structure and utilities, in addition to platform control system



Engineering for the Petroleum & Process Industries - ENPPI

West Delta Deep Marine Concession Scarab / Saffron Development Project 2000 / 2003



Client: Burullus Gas Company (**Burullus**)

Project Description

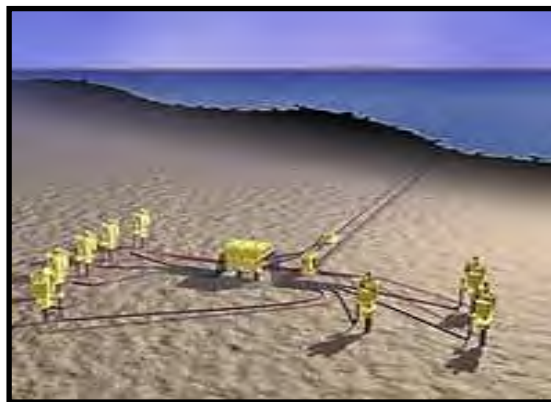
Development of the deep marine Scarab / Saffron field located 90 km offshore the West Delta Coast to produce 600 MMSCFD of gas. The production is transmitted through two P/L systems to onshore long distance subsea tieback.

Contract Type

Reimbursable man-hours

Scope of Services

FEED Design & Detailed Engineering, Procurement, Construction, Commissioning & Start-Up.



West Akhen Field Development 2001 / 2003



Client: Gulf of Suez Petroleum Company (**GUPCO**)

Project Description

The project aims to install a 6-slot 4-pile fixed offshore platform at 82m water depth in the Mediterranean Sea with one full deck producing 80 MMSCFD gas plus 4500 B/D condensate and installation of 3" glycol, 6" condensate, and 14" gas subsea pipelines connecting West Akhen.

Contract Type

Lump-sum for professional services

Scope of Services

Detailed engineering, construction support engineering and installation analysis for the offshore platform structure (Jacket – with launching configuration – deck, piles and appurtenances) plus three subsea pipelines



Engineering for the Petroleum & Process Industries - ENPPI

Rosetta Field Development 1998 / 2000



Client: Rashid Petroleum Company (**RASHPETCO**)

Project Description

The project aims to install offshore production platform with a capacity of 275 MMSCFD. Gas is transmitted through a 24" gas subsea P/L 67 km to onshore terminal.

Contract Type

Lump-sum for basic & detailed engineering, reimbursable for construction supervision, commissioning & start-up assistance

Scope of Services

Basic & detailed engineering, procurement services, construction supervision, commissioning & start-up assistance



North July Offshore Field Development 1999 / 2000



Client: Gulf of Suez Petroleum Company (**GUPCO**)

Project Description

Offshore facilities to develop north July field comprising a Tripod-3 Slots Platform at 52m water depth initially including Christmas trees, well head control panel, production & test manifold.

The NJ-10 & GUPCO offshore facilities shall be connected through an 8", 9 km pipeline.

GUPCO offshore J-10 shall be modified to include the three-phase separator, gas & liquid metering equipped with common prover to accommodate the production of Fanpetco NJ-1.

Contract Type

Reimbursable for professional services

Scope of Services

Basic and detailed engineering work for FANPETCO facilities; including offshore platform and pipeline. In addition to engineering of tie-ins to GUPCO facilities on J-10, and study to investigate adequacy of the J-10 flare and blow down system to accommodate the new FANPECTCO production.



Engineering for the Petroleum & Process Industries - ENPPI

A/Q Phase II Topside Facilities 1990 / 1992



Client: Western Desert Operating Petroleum Company (WEPCO)
Currently (Abu Qir Petroleum Company)

Project Description

The project aims to install a new production platform (six legged) at 35m water depth. The platform is equipped with process and utility facilities for 150 MMSCFD and connected to the existing platform through a 45m bridge.

Contract Type

Lump-sum turnkey

Scope of Services

EPC turnkey, detailed engineering of topsides, structural modifications of existing platform, weight control, procurement services, load out of fully equipped deck, commissioning & start-up



A/Q Offshore Gas Compression (Utility Modules) 1993 / 1995



Client: Western Desert Operating Petroleum Company (WEPCO)
Currently (Abu Qir Petroleum Company)

Project Description

The project aims to install two new gas compression platforms A/Q P1-C and A/Q P2-C. The platforms are connected through a bridge to the existing P1 & P2 platforms at 20m water depth. The platforms support two turbo compressor trains and associated process & utility topside facilities.

Contract Type

Lump-sum

Scope of Services

Detailed engineering of topsides, structural modifications and procurement services for the utility / process modules



North AMER Offshore Platform 1986 / 1987



Client: General Petroleum Company (GPC)

Project Description

Two offshore wellhead platforms at water depths 62m and 64m; topside includes work over rig, suction pump, pig launcher manifold, X-MAS trees and power generation package

Contract Type

Lump-sum for professional services

Scope of Services

Basic & detailed engineering of jackets, deck and topsides, in addition to sea bed survey and soil investigation



Repair of Belayim Offshore Installations 3 Phases Project 1989 / 1992



Client: Belayim Petroleum Company (Petrobel)

Project Description

1st Phase: Data bank generation and cathodic protection retrofitting for 40 of Belayim offshore installations, repair intervention of 13 installations, including 3 platforms and 10 templates.

2nd Phase: Structural re-qualification and repair intervention for 7 installations including 3 platforms, 1 cluster and 3 templates.

3rd Phase: Structural re-qualification and repair intervention of 23 installations including 5 platforms, 4 clusters and 13 templates.

Contract Type

Reimbursable for phase 1 and Lump-sum for phase 2 & 3

Scope of Services

- Detailed engineering including structural analysis assessment, repair works, long term inspection plan, maintenance and repair program, tender package preparation, technical bid evaluation and construction supervision.
- Repair work interventions budgetary cost estimate.



Transgulf Gas Utilization Project (Phase I) 1991 / 1994

Client: Egyptian General Petroleum Corporation (EGPC)

Project Description

The project aims at transporting and processing 107 MMSCFD of associated gases at GUPCO Ras Bakr processing unit. The gases are collected from Belayim fields in Sinai and GUPCO offshore October field.

Contract Type

Lump-sum turnkey for services, reimbursable for materials and construction

Scope of Services

Techno-economic study, basic and detailed engineering for onshore facilities and 12" diameter sub-sea pipeline, procurement services, construction supervision, overall management commissioning & start-up



SIDKY "B" Platform Topsides Facilities 1992 / 1993

Client: Gulf of Suez Petroleum Company (GUPCO)

Project Description

Topside facilities to produce 10 000 b/d of crude oil and 24 MMSCFD of associated gases

Contract Type

Lump-sum

Scope of Services

Detailed engineering for topsides including:

- Supply of material & equipment
- Commissioning & start-up assistance



Engineering for the Petroleum & Process Industries - ENPPI

Belayim Incremental Recovery 1991 / 1993



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Installation of 2 unmanned platforms mwp-3 & mwp-4 at 34 & 37 m water depths

The project also included:

- 8" production subsea pipeline
- 6" test subsea pipeline
- Two water injection subsea pipeline (8" & 4")
- Two submarine electrical cables from mwp-4 to mwp-3

Contract Type

Lump-sum

Scope of Services

Basic & detailed engineering of topsides, including procurement assistance for mwp-3 & mwp-4 platforms



Ras Ghara Production Facilities (Phase I, II) 1990 / 1992



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Ras Ghara oil field development to produce 10 000 BSD, comprising:

- Offshore platform & topside facilities
- On/offshore launching / receiving traps
- Onshore production facilities, utilities & power generation
- 104 km onshore transfer pipeline to Petreco area
- 6"/10" 3 km sub-sea pipeline
- Tie-ins to the existing storage facilities

Contract Type

Reimbursable

Scope of Services

- | | |
|-------------------------|------------|
| ▪ Techno Economic Study | (Phase I) |
| ▪ Project Management | (Phase II) |
| ▪ Inspection Services | (Phase II) |



Gemsa Crude Field Development 1990 / 1991



Client: Badr Petroleum Company (Bapetco)

Project Description

- Installation of prefabricated deck on the existing piles
- 8", 12 km subsea pipelines

Contract Type

Reimbursable

Scope of Services

Basic & detailed engineering of jacket, decks, topsides, and subsea pipelines



A/Q Phase II Offshore Gas Production 1983 / 1985



Client: Western Desert Operating Petroleum Company (WEPCO)
Currently (Abu Qir Petroleum Company)

Project Description

The project aims to install a 6 legged production platform (P2) at 20m water depth. The platform production capacity is 125 MMSCFD and transmitted through a 20 km subsea pipeline.

Contract Type

Reimbursable

Scope of Services

Project management including construction management, supervision, and start-up services



Engineering for the Petroleum & Process Industries - ENPPI

Belayim Topside Facilities 1984 / 1985



Client: Belayim Petroleum Company (**Petrobel**)

Project Description

Topside facilities on four new installed platforms & modifications of the topside of four existing platforms to upgrade oil production to 200 000 B/D and separate 60 MMSCFD of associated gas.

Contract Type

Reimbursable

Scope of Services

Project management including construction management and supervision, engineering review, commissioning, and start-up assistance



f. Utilities Experience



Utilities Project for New Ethylene & Derivatives Complex in Alexandria

2011 / 2015

Client: The Egyptian Ethylene and Derivatives Company (ETHYDCO)



Project Description

The project aims to install a new utilities and power generation plant required for the New Ethylene & Derivatives Complex in Alexandria.

The New Utilities & Power Generation Plant shall be built to serve the following plants :

- Ethylene Plant 460,000 Ton/Y
- Polyethylene Plant 300,000 Ton/Y
- Butadiene Plant 20,000 Ton/Y
- Polybutadiene plant 20,000 Ton/Y



Contract Type

Lump sum for professional services, disbursement for procurement and construction

Scope of Services

Engineering, Procurement, Construction, commissioning and startup and Overall Management

Engineering and Procurement Service for GTG and Complex Substation

2015 / 2018

Client: The Egyptian Ethylene and Derivatives Company (ETHYDCO)



Project Description

The project aims to install a new Permanent Power Plant (PPP) for its complex in Ameriya with a capacity of 70 MW, generated through a simple gas turbines cycle, designed as per manufacturer standard and convertible to a combined cycle scheme.

Phase I:

Covering the installation of 70 MW Power Plant based on Simple Cycle Gas Turbines and convertible to combined Cycle Gas Turbines, together with associated ancillaries / utilities.

Phase II:

Covering the installation of a new 220/66 kV transformer substation and its connection with the national 220 KV grid.

Phase III:

Covering the upgrade of the purchased simple cycle turbines, to work under the combined cycle scheme and all its associated ancillaries/ utilities.

Contract Type

Lump sum for professional services and reimbursable for commissioning assistance

Scope of Services

Engineering, procurement and commissioning assistance



Engineering for the Petroleum & Process Industries - ENPPI

Complex Offsite OSBL Project 2013 / 2016



Client: The Egyptian Ethylene and Derivatives Company (ETHYDCO)

Project Description

The project aims to build the offsite facilities in one project for Ethylene & Derivatives complex.

Contract Type

professional services

Scope of Services

Detailed engineering, procurement services for the material supply up to job site, construction supervision & management activities overall project management commissioning and start-up supervision

Expansion of SUMED Storage Capacity (6 Tanks) 2011 / 2013



Client: Arab Petroleum Pipelines Co. (SUMED)

Project Description

In order to increase the storage capacity at Ain Sukhna Terminal, SUMED intends to build six new floating roof tanks, each of approximately 1.1 million barrel (175,000 m³) of net working capacity, 110 m diameter which shall be located adjacent to the existing tank farm and connected to it.

Contract Type

EPC LSTK (ENPPI Main Contractor)

Scope of Services

Detailed engineering, material supply, construction, commissioning & start-up



Engineering for the Petroleum & Process Industries - ENPPI

Expansion of Hout Crude Onshore Production Facility 2006 / 2009



Client: Al-Khafji Joint Operations (KJO)

Project Description

Expand 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.

Contract Type

EPC LSTK Consortium with Petrojet – (Enppi Leader)

Scope of Services

Engineering, Material Supply, Construction, Project Management, Commissioning and Start-Up Assistance.



Yanbu Export Refinery Project

Tank Farm Package – SP1

2010 / 2014



Client: Yanbu Aramco Sinopec Refining (YASREF)

Project Description

The Project aims to install a new refinery with capacity of 400,000 Barrel/Day. The Tank farm package of Yanbu export refinery 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:

Contract Type

EPC LSTK (ENPPI Main Contractor)

Scope of Services

ENPPI: Engineering, material supply, construction (subcontracted to several Saudi and Egyptian companies), commissioning & start-up and overall project management



Engineering for the Petroleum & Process Industries - ENPPI

Yanbu Site Completion Package (MC4)



Client: Yanbu Aramco Sinopec Refining (YASREF)

Project Description

The project aims to the execution of the Site Completion package MC-4 for Yanbu Export Refinery Project (YERP). The Project includes the plant roads construction work up to the road marking and traffic signage with a total surface area of roads equals 190,000 sq. meters, construction and concrete lining for Storm water ditches and trenches. Also, the package includes the plant security related items including the inner and outer patrol roads with a total length of 18 km, perimeter Fences and a K-12 Grad Anti-Ram crash barrier. Also, a Coastal road of an approximate length of 4 km.



Contract Type

Engineering Services L/S, Material Supply Cost Plus, Construction Works Unit Rate

Scope of Services

EPC Main Contractor for basic & detailed engineering, construction and pre-commissioning

Methyl Tertiary Butyl Ether System (MTBE)

Storage Tanks

2014 / 2016



Client: Yanbu Aramco Sinopec Refining (YASREF)

Project Description

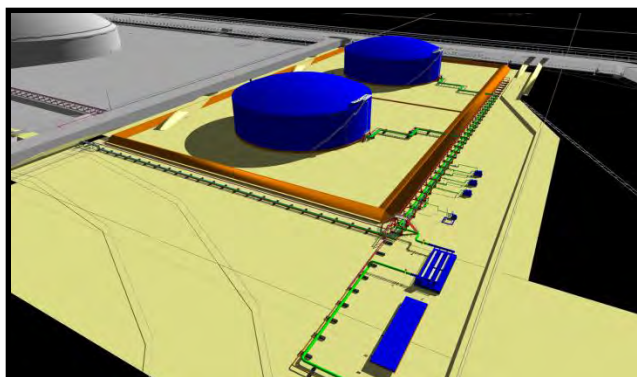
The project aims to build two new tanks for the storage of MTBE "Methyl Tertiary Butyl Ether" product complete with all the relevant utilities and tie- in with existing facilities.

Contract Type

EPC LSTK

Scope of Services

EPC Main Contractor for basic & detailed Engineering, construction and pre commissioning.



Engineering for the Petroleum & Process Industries - ENPPI

Ethylene and Polyethylene plants

Utilities and Offsite Complex Project 1997 / 2000



Client: Sidi Kerir Petrochemicals Company (SIDPEC)

Project Description

The utilities and offsite plant provides SIDPEC's two new plants (Ethylene and Polyethylene) with fire fighting & cooling water, compressed air and de-mineralized water. Moreover, the complex provides process water treatment.



Contract Type

EPC - Lump-sum Turnkey

Scope of Services

Engineering, material supply, construction, commissioning & start-up, overall project

Damietta Export Facilities 2001 / 2004

Client: United Gas Derivatives Company (UGDC)

Project Description

Installation of Marine export facilities – cryogenic tank capacity (30,000m³) for propane storage produced from Port Said NGL process facilities

Contract Type

EPC turnkey – consortium (ENPPI / Tractebel) – lump-sum for professional services, cost plus fees for material supply and construction work

Scope of Services

FEED & detailed engineering, procurement, construction, commissioning & start-up assistance



Engineering for the Petroleum & Process Industries - ENPPI

Sky Medical Center 2009/2013

Client: Housing & Social Services Fund For The Petroleum Sector's Employees

Project Description

The project aims to construct a hospital according to the highest international specifications to serve the petroleum sector employees.

Contract Type

Cost Plus

Scope of Services

Design review, procurement services, construction supervision, overall management, commissioning and final hand-over

Petrosport – Katameya Sporting Club

Client: Petrosport



Project Description

The project is comprised of soccer fields, social building, a mosque, a stadium, a squash field, a swimming pool, communal gardens and parking areas.

Scope of Services

Design Development & Construction Supervision

