



www.global-energy.nl
info@global-energy.nl

Project Summary

Global Energy Solutions



CLIENT

PROJECT

SERVICES

TYPE

Petrorabigh

PetroRabigh HOFCCU Project, Saudi Arabia
License Stone & Webster EPC JGC Corp Japan

Sakhalin Energy

Mega size world scale gas development project in Russia challenged by arctic and special environmental conditions

Technip

EPC Engineering & Design Contractor for Oil & Gas, Refinery and Petrochemicals clients like Agip, Total, Midor, Adnoc, BP, Carigali, Petronas, Solvay, Petrovietnam, OMV, Repsol, Exxonmobil, PDVSA

Linde Engineering

EPC Engineering & Design Contractor for Gas Treatment, Refinery and Petrochemical Plants for StatoilHydro, Borealis, Total, Sasol, NIOC, Nargan, Statoil, MOL, BASF, Basell

Saipem

Oil & Gas Engineering & Installation Contractor for on Offshore Development, Oil & Gas Treatment and LNG projects for Exxonmobil, Total, Sonatrach, Fluxsys, Shell, Agip, BP

Total

EPNL Amenam Offshore Platforms, Nigeria
EPNL OFON2 Offshore Development, Nigeria
Total Refinery Belgium, The Netherlands, Germany
Total Chemicals Cracker & Ethylene, Belgium
Total Stokhman development, Russia

Provision of Support Team for Commissioning & Startup of integrated Refinery and Petrochemical Complex. Provision of Commissioning & Startup Advisors / Supervisors including the DCS Panel Training.

Selected as a preferred vendor on project services contract providing engineers for project management team in Russia, The Netherlands, and UK. Supported on Structural, Environmental, Authority, QHSE, Construction Management, Procurement, Drilling & Well Engineering Subsurface Team disciplines.

Supporting Technip branch offices in France, Italy, Germany, The Netherlands, Dubai and Malaysia in Engineering & CAD Design, Pipe Stress & Material Piping Engineering, Construction Supervision, QHSE, QA/QC, Commissioning Startup & Operations, Maintenance Planning & Operator Training

Supporting in Engineering & Design, Construction, Commissioning & Startup for worldwide projects services provided include Mechanical Rotating Equipment, Pipe Stress, Instrumentation, Construction Supervision, Material Control, Commissioning & Startup Supervision, Commissioning & Operations Procedures

Engineering & Design and Construction support for Mechanical Rotating, Control Systems & Instrumentation Engineering, PDMS Cad 3D Design Piping and Structural Engineering, QA/QC, HSE Advisors, Senior Contracts management

Services agreement for Contracts Management on Nigeria projects Supporting Total Refining & Petrochemicals business units on Refinery & Petrochemicals plant shutdown preparation, TRA-Safety Analysis, Commissioning & Startup and Operations Supervision

High Olefin Fluid Catalytic Cracker
DCC technology & Propylene Converter

Offshore Platforms
Pipelines Oil & Gas
OPF Processing Facilities
LNG Train Processing Plant
Oil Export Terminal

Oil & Gas Treatment Plants
LNG Processing Trains
Offshore Platforms & FPSO
Refineries FCCU
Petrochemical Olefins Plants

Gas Treatment
LNG Processing Plants
C2/C3 Recovery Plants
Ethane & Naphta Cracking
Hydrogen & Syngas

Oil & Gas Treatment Plants
LNG Re-gasification Plant
Offshore Platform & FPSO
Subsea SURF Pipelines
Onshore Pipelines

Oil & Gas Development Projects
Wellhead & Production Platforms
Fluidized Catalytic Cracking Unit
HDS Clean Fuels Project
Hydrocracker & Naphta Crackers



CLIENT

PROJECT

SERVICES

TYPE

Sincor

Total - Statoil - PDVSA Joint Venture construction of grass roots Heavy Oil Up grader Refinery Processing Heavy Crude Construction by Technip, Foster Wheeler and UHDE

Contract requested for technical refinery operations planning and commissioning & startup and operations support Assigned Operations Supervisors and DCS panel Operators and OJT Training of Sincor Operators

Heavy Crude Oil Upgrader
Hydrocracker, Hydrogen
Delayed Coking Units
Sulphur Recovery Plant



Llyondell

Llyondell Basell, Wesseling Site Germany Olefins Complex comprising Ethane-Naphta Crackers, EB-Ethyl Benzene, Propylene Oxide, PP Polypropylene and HDPE Polyethylene Plants

Supporting plant owner with Commissioning & Operations Supervisors, DCS Panel Operators for ongoing operations and Turn-around and Shutdowns

Styrene Monomer
Propylene Oxide
Naphta Cracker
Ethylene Complex
Polypropylene



Aker Solutions

Statoil Mongstad Refinery, Norway
BP Olefins, Germany, Gasic Saudi Arabia
Total PP Polypropylene Project, Belgium
Sabic Yansab Olefins Project, Saudi Arabia
Air Liquide ATR Hydrogen Plant, The Netherlands

EPC Engineering & Design Contractor supporting Aker Solutions on execution of projects in Engineering, Construction Supervision, Mechanical, E&I, QC Welding Inspection, Field Engineering, Document Control, Mechanical Completions, Pre-Commissioning & Commissioning & Startup Management and Supervision

Ethane & Naphta Cracking
HDS Hydrodesulphurisation
Butane Diol, SMR Hydrogen
LLDPE Polypropylene
PP Polypropylene



Shell

Shell E&P Nowrooz-Soroosh Development, Iran

Providing Clients representatives for Construction & Hookup - Installation Management Team monitoring and Supervision EPC and Fabrication Contractors & Planning / Cost Engineers for Project Controls Management

Fabrication and Installation
Well -head platforms, production
platforms, floating storage unit,
subsea pipelines



Petroplus

APF Antwerp Belgium Refinery Hydro skimming facility and Bitumen Refinery.

Supporting a leading independent refiner owning several refineries located on North Sea and inland Europe, task was improving and supporting the Refinery Field Operations including on the job training DCS Panel Operations

Atmospheric Distillation
Vacuum Distillation
Naphta Hydrotreating
Diesel Hydrotreating, LPG Plant
Sulphur Recovery Unit



Rio Polimeros

Rio Polimeros Olefins Project, Brasil
Construction of a 500,000-metric-ton-per-year Ethylene unit and 540,000-metric-ton-per-year Polypropylene unit in Duque de Caxias, in Rio de Janeiro state

Client requesting advisor acting clients representatives for Pre-Commissioning, Commissioning, Startup and Operations of world scale chemical olefins plants

Ethane Cracker
Ethylene Complex
HDPE Polyethylene Plant





CLIENT

PROJECT

SERVICES

TYPE

M.W.Kellogg

Total Petrochemicals NCX Project, Belgium

Supporting EPC Managing Contractor on Naphta Cracker Upgrade and Ethylene expansion including Turnaround Project in Construction Supervision, Scaffolding Co-ordination and Construction and Shutdown Planning

Naphta Cracker
Ethylene Plant



Uhde

Turkmenibashi Ammonia Plant, Turkmenistan

EPC Engineering & Design Contractor for Ammonia, Refinery and Chemical Plants supporting client in E&I Design, Construction Supervision, Rotating Equipment Installation and Commissioning & Startup Supervisors and Operator Training

Ammonia Fertilizer Plant



Basf

Ludwigshafen Location, Germany

Assisting client in Pre-Commissioning, Commissioning, Startup and Operations of constructed Ethyl Benzene (EBMax) Plant and supporting with its first Turnaround.

Ethyl Benzene Plant
Propylene Oxide
Styrene Monomer



Foster Wheeler

Grass Roots Refinery Midor, Egypt
Total Refinery Turnarounds Antwerp, Belgium
AMOC Lube Oil Refinery, Alexandria

EPC Engineering & Design Contractor supporting Foster Wheeler branch offices UK, Italy, Spain on executions of projects in Construction and Commissioning & Startup phases including the provision of a refinery commissioning & operations team (O&M Contract) acting for the refinery owner

Crude and Vacuum Distillation
Fluidized Catalytic Cracker
Hydrogen & Hydrocracking
CCR, Sulphur, Isomerisation, NHT
Delayed Coker & Lube Oil



BP

BP Refinery Upgrade, Netherlands
TNK-BP Sidanco Refinery Saratov, Russia

Assisting the local project management and to lead the upgrade project In Russia. Responsible project execution including the tender and evaluation stages. Cost, Planning and Contracts Management and Project Co-ordination

Refinery Visbreaker
Refinery Upgrade Offsites
NHT Hydrotreater
HPU Hydrogen Purifier



Ineos

Ineos Chemical Antwerp, Belgium
Expansion project of its phenol and acetone plant raising phenol capacity from 470 kt/a to 680 kt/a
The Antwerp site will become the largest phenol and acetone plant in the world after this expansion

Supporting Expansion Project with Construction Supervision on Piping & Mechanical disciplines

Phenol chemical plant





CLIENT

PROJECT

SERVICES

TYPE

Soluziona Ingeneria

Rehabilitation Program Power Plants, Iraq
Union Fernosa- Segas LNG Processing Plant,
Egypt

EPC Managing Contractor with head office in Spain supporting on contract in Iraq supplying Electrical Inspectors for Power Plant Project Commissioning & Startup Supervisory team for LNG Processing Plant for Union Fernosa Egypt

Power Plants
LNG Processing Train

soluziona

Oman LNG

LNG Processing Plant, Oman

Provision of experienced Clients Construction Management Team including Construction Supervisors Mechanical Rotating Equipment, Construction Supervisors Instrumentation Commissioning & Startup Supervisors project executed by Foster Wheeler / Chiyoda joint venture

LNG Processing Plant



Bapco

Bapco Refinery Company, Bahrain

Called upon to provide Refinery Turnaround Team for Refinery Shutdown & Turnaround responsible for managing the subcontractors on Mechanical Static Inspection Vessels & Columns Shutdown Mechanical for Inspection Heat Exchangers-reinstatement

Refinery Crude & Vacuum Distillations, Treaters and FCCU Fluidized Catalytic Cracking



Chiyoda

Qatar Gas LNG Expansion Project, Qatar
Oman LNG Expansion Project, Oman

Supporting Chiyoda Site Team with Construction Superintendent Commissioning Manager and Commissioning Supervisors

LNG Processing Plant



Tecnimont

Hellenic Petroleum Polypropylene Plant,
Greece
Construction of 130000 m.t./year plant at
Thessaloniki using Spheripol license

EPC Engineering & Design Contractor requesting support on Pre-Commissioning, Commissioning & Startup disciplines

Polypropylene Plant

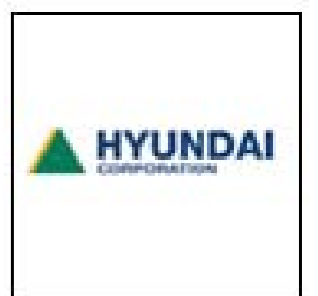


Hyundai Engineering-Construction

Hyundai Gas Condensate Treatment Plant,
Lybia

Awarded Contractor for Construction and Commissioning of Condensate Plant providing a Commissioning Manager and team of Technical Authors to produce Commissioning & Operation Manuals

LPG Condensate Gas Treatment





CLIENT

PROJECT

SERVICES

TYPE

Petrokemya

Petrochemical Complex Kemya, Saudi Arabia

Clients Team requesting support in Pre-Commissioning, Commissioning & Startup and DCS Operations of new constructed Ethane Cracker and Ethylene Complex using Lummus SRT Licens

Ethane Cracker
Ethylene Plant
Propylene
Butadiene



Fluor

Lotos Refinery Upgrade Project, Poland
Refinery upgrader and expansion project by Fluor, Lurgi, CBB-Lummus, Technip Italy

Providing Commissioning Manager responsible for Mechanical Completions including the Pre-Commissioning, Commissioning co-ordination interconnections offsites and Utilities on major Refinery Upgrade Project

Crude & Vacuum Distillation
Mild Hydrocracker & Hydrogen
HDS Desulphurisation and SRU
Refinery Offsites & Utilities



Allseas

Audacia Pipe Lay Vessel, The Netherlands
Leading subsea installation contractor

Supporting at request leading offshore subsea pipelay installation contractor for management of the awarded HVAC contractor on the construction of S-Lay Pipelay vessel at Fabrication Yard Keppel

Installation of pipelay vessel



GTI West

Shell Pernis Refinery Turnaround & Shutdown

GTI West being Main Contractor on Refinery Turnaround, provision of MC-Mechanical Completions Co-ordination Team responsible for managing the Pre-Commissioning activities

Refinery Hydrocracker
SGHP Hydrogen Plant
SRU Sulphur Recovery Unit



Shaw

Petrovietnam Grass Roots Refinery, Vietnam

Shaw Group being the Project Management Consultant requesting Commissioning Manager, Deputy Commissioning Manager and HSE Safety Manager overseeing the EPC Managing Contractor Consortium advising client owner Petrovietnam

Crude & Vacuum Distillation
Naphta Hydrotreater
CCR Platformer, LPG
FCCU Fluidized Catalytic Cracker
SRU Sulphur and Offsites



Heerema

Balder SSCV Installation Vessel

Providing Commissioning Engineer for provision of Commissioning Procedures for installation of Engines during job offshore Gulf of Mexico

Offshore Installation Vessel





CLIENT

PROJECT

SERVICES

TYPE

ORPC Oman Refining & Petrochemicals

Sohar Refinery, Oman
Oman Polypropylene Company, Oman

Grassroots construction of refinery and petrochemical plant provision of Commissioning & Startup and Clients Representative and QA Manager to oversee the EPC Managing Contractors

Crude & Vacuum Distillation
Fluidized Catalytic Cracker
Merox, Sulphur, LPG
Polypropylene



Exxon Mobil

Oil & Gas Development Projects, worldwide
Rasgas RGX Development, Qatar

Worldwide support services contract for ExxonMobil on Oil & Gas Development Projects.

Oil & Gas Development Projects



Jacobs Engineering

Gas De France LNG Re-gasification Plant, France
ConocoPhillips Whitegate Refinery, Ireland
Air Liquide Pergen Cogeneration,
The Netherlands
NAM Gas Treatment Plant, The Netherlands

Supporting EPC Managing Contractor involved in Gas Treatment, Petrochemical and Refinery projects: Pipe Support & Stress Engineering Calculations, provision of Commissioning Manager and Lead Commissioning Engineer for Commissioning & Startup

LNG Re-gasification Plant
HDS-Hydrodesulphurisation Plant
Sulphur Recovery Units (Claus)
Gas Treatment Plant



Air Products

Air Products is engaged in Production of Hydrogen, Carbon Monoxide, Nitrogen, Oxygen and Argon through production locations in The Netherlands & Belgium

Servicing Air Products with Process DCS / Field Operations for ASU Oxygen and Nitrogen Plants including Turnaround and Shutdowns

ASU Air Separation Plant
Hyco - Hydrogen & Carbon Monoxide
+ Coldbox Plant



SNC Lavalin

EPC Engineering & Design Contractor for Gas Treatment, Refinery and Petrochemical Plants

General support on Design, Engineering and Construction as CAD Piping, E&I, Structural Design

Petrochemical



Air Liquide Engineering & Industries / Lurgi Engineering

Supporting Air Liquide Engineering & Operating Plants worldwide in The Netherlands, Korea, Thailand, Belgium, Canada, Germany, Poland

Providing Construction Representatives as HSE-Safety Supervisors, Piping & Mechanical Supervisors, Commissioning Engineers, Startup Supervisors and Process Operators

Steam Methane Reforming
Hydrogen Plants,
Syngas Plants CO/H₂+Coldbox,
ASU Air Separation Plants and
HSRG-Power and Steam
Generation Plant



Petrovietnam

Vietnam's first Crude Oil Refinery grass roots constructed in Dung Quat constructed by Technip/JGC/Tecnicas Reunidas

Provision of Support Team for Owner during Commissioning & Startup of Refinery Complex. Provision of Commissioning & Startup Panel Operators and Advisors including the DCS Panel Training

Crude Unit, RFCCU Fluid Catalytic Cracker Naphta Hydrotreater, Isomerisation, CCR Continuous Catalytic Regeneration Caustic Neutralisation, Sour Water, Sulphur



GLOBAL ENERGY

Dr. Kuyperstraat 14
P.O. Box 97604
2509 GA Den Haag
The Netherlands
tel + 31 (0)70 311 8090
fax +31 (0)70 311 8099