

An abstract geometric design is located on the left side of the image. It features a large circle at the top left, a smaller circle below it, and a series of lines and shapes, including a hexagon, extending downwards and to the right. A small yellow circle is positioned near the center of the design, adjacent to the main text.

ROTARY
Smart thinking. Safe hands.

No project is too big, too small, too simple or too complex



Our Track Record

Offsite & Utilities		
Client	Project Title	Year of Completion
United Arab Emirates, Fujairah		
ENOC Processing Company (LLC)	Refinery Expansion – Tankage Facilities Project	2019 (Ongoing)
Saudi Arabia		
SEG - Sinopec Engineering Group	SEG-ISF Project (Jubail Interface Supply Facility)	2017
Daelim Industrial Co. Ltd	Shoaiba II GCC Power Plant	2014
Saudi Aramco Total Oil Refining and Petrochemical Company	Satorp – (Package 6 - Refinery Tankfarm)	2013
Fluor Daniel	Saudi Kayan Petrol Chemical Complex	2010
SABIC (SHARQ)	SHARQ 3 rd Expansion Project	2009
Singapore		
Shell Eastern Petroleum Pte Ltd	Provision of Engineering, Procurement and Construction (EPC) Service for Bukom Crude Oil Tank (BCOT) Project	2018 (Ongoing)
Samsung C&T	GMR Energy 2 x 400MW CCP Project • Tankage • Mech & Piping	Tankage - 2012 Mech & Piping - 2013



Our Track Record

Offsite & Utilities

Client	Project Title	Year of Completion
Thailand		
Thai Oil	Khao Bo Ya Crude Tank Farm Legal Reserve Project	2018 (Ongoing)
Thai Oil	Top new Tank Project	2013
PTTGC	Butene-1 Storage Tank Project	2013
Map Ta Phut Olefins Co. Ltd.	MOC Cracker Plant II (Tank Farm Unit)	2009

ENOC Refinery Expansion – Tankage Facilities Project, JAFZA Dubai, UAE



Project Description

- EPC of 12 numbers of tanks – with 450,000 cbm storage capacity
- Scope includes associated civil works, piping connections (including tie-in to existing refinery), mechanical works, electrical and instrumentation works and fire-fighting facilities

SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Civil
2. Tankage
3. Piping & Structures
4. Equipment Installation
5. Electrical & Instrumentation

Project Title	Refinery Expansion – Tankage Facilities Project
Client	ENOC Processing Company (LLC) (EPCL)
Main Contractor	Rotary Engineering Fujairah
Date of Commencement	Mar 2017
Date of Completion	Jan 2019 (Ongoing)

SEG - ISF Project (Jubail Interface Supply Facility)

Project Description

- 2 numbers of MTBE tanks (16 meter diameter x 18.5 meter height). External dome roof with internal floating roof
- 2 numbers of P95 tanks (32.1 meter diameter x 19 meter height). External dome roof with internal floating roof



SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Tankage

Project Title	SEG - ISF Project (Jubail Interface Supply Facility)
Owner	SATORP
Client	SEG - Sinopec Engineering Group
Date of Commencement	May 2015
Date of Completion	Mar 2017

Shoaiba II Combined Cycle Power Plant Project



SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Civil
2. Tankage
3. Piping & Structures
4. Equipment Installation
5. Electrical & Instrumentation

Project Title	Shoaiba II Combined Cycle Power Plant Project
Owner	Saudi Consolidated Electric Company
Client	Daelim Industrial Co. Ltd
Date of Commencement	Jan 2012
Date of Completion	Nov 2013

Shoaiba II Combined Cycle Power Plant Project

Project Description

- Location in Shoaiba, western coast of the Kingdom of Saudi Arabia (100KM From Jeddah)
- Engineering, Procurement and Construction of 15 site-erected storage tanks (including 4 numbers of tank with internal floating roof)
- Total storage capacity of 382,190 cubic metres of carbon steel and stainless steel materials
- The facility supports a 1,238 MegaWatt (MW) Combined Cycle Power Plant owned by the Saudi Electricity Company
- The products stored include Fuel Oil, Diesel Oil, Desalinated Water, Fire Water, Potable Water etc.
- Seismic condition was considered for the design of the tanks and the design follows API 650 standard.



SATORP Jubail Export Refinery Project Jubail, Saudi Arabia



SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Civil
2. Tankage
3. Piping & Structures
4. Equipment Installation
5. Electrical & Instrumentation

Project Title	SATORP (Package 6 – Refinery Tank Farm)
Client	Saudi Aramco Total Refining and Petrochemical Company
Main Contractor	Rotary Engineering Ltd & Petrol Steel Co. Ltd (majority-owned JV)
Date of Commencement	Jul 2009
Date of Completion	Dec 2013

SATORP Jubail Export Refinery Project Jubail, Saudi Arabia



Project Description

- Total storage capacity of 1,662,592 cbm
- Total of 62 ATM tanks and 8 bullet tanks
- Holds record for largest bullet tank in the world to have been assembled in the history of oil refinery, weighing 1,293 metric tons, 84 m long and an external diameter of 9 m
- Products stored include regular gasoline, RBOB gasoline, jet A1, diesel, benzene, paraxylene, propylene, C3 and / or C4, fuel oil, black material and naphtha
- Mechanical works include installation of 100 GC pumps, 4 positive displacement pumps, 88 mixers, 24 small tanks and vessels, 5 package units, 23 transformers, HVAC equipment
- E&I works include new substations and lighting facilities, 3 instrument control rooms, FCR, PIB and PCR cabinets, cable routine, tank gauging systems, fire & gas detectors
- Commissioning support



Saudi Kayan Petrochemical Complex, Jubail, Saudi Arabia



SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Civil
2. Tankage
3. Piping & Structures
4. Equipment Installation
5. Electrical & Instrumentation

Project Title	Saudi Kayan Petrol Chemical Complex
Client	Fluor Daniel
Main Contractor	SABIC (Saudi Kayan)
Date of Commencement	Jan 2008
Date of Completion	Jan 2010

Saudi Kayan Petrochemical Complex Jubail, Saudi Arabia



Project Description

- Located in the Saudi Kayan Petrochemical complex in Al Jubail, Saudi Arabia
- EPC for Mechanical construction, piping and civil works for storage tank farm located at a green field site
- 24 numbers of atmospheric storage tanks with a total capacity of 67,000 cbm of carbon steel and stainless steel
- Detailed engineering for the tanks, tank foundations, tank bund walls, pipe supports and electrical engineering works. The facilities were designed to American standards
- The products stored includes Caustic, Acetone, Raw Hexane, MEG, DEG, TEG, Benzene, DMF, Methanol, Glycol, Ethanolamine, etc
- Seismic design was considered for the design of the facilities



SHARQ 3rd Expansion, Jubail, Saudi Arabia



SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Tankage
2. Piping & Structures

Project Title	SHARQ 3rd Expansion Project
Owner	SABIC (SHARQ)
Main Contractor	Shaw Stone & Webster Arabia (Project Management Control)
Date of Commencement	Sep 2007
Date of Completion	Sep 2009

SHARQ 3rd Expansion, Jubail, Saudi Arabia

Project Description

- EPC work for 9 numbers of tanks, of which 5 are site-erected tanks and 4 are shop-fabricated tanks
- All are cone roof tanks T-8640 (20m diameter by 20m height) BTX storage tank with internal aluminum floater
- Tanks were designed according to API 650, roof designs according to API 620 due to climate conditions
- Job scope include all works related to tanks, such as level indicators, instruments and foam chambers



Samsung GMR Energy 2 x 400 MW CCP Project Jurong Island, Singapore



SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Tankage
2. Mechanical & Piping

Project Title	GMR Energy 2 x 400 MW CCP Project
Client	Samsung C&T
Main Contractor	Rotary Engineering Ltd
Date of Commencement	Sep 2011
Date of Completion	Jul 2013

Provision of Engineering, Procurement and Construction (EPC) for Bukom Crude Oil Tank (BCOT) Project, Bukom Island, Singapore



Project Description

- EPC of 2 numbers of crude oil tank (80 meter diameter x 23 meter height) with Geodesic Aluminium dome roof & internal floating roof
- Total storage facility of 180,000 cbm
- Project involves supply & install of tank accessories, E&I works, 6 numbers of tank side mixers for each tank, concrete bund up to 2 meter high, fire fighting facilities, emergency drainage & storm water drain system, product piping & pipe support structures, perimeter road, road ramp, security fencing & CCTV surveillance system

SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Civil
2. Tankage
3. Piping & Structures
4. Equipment Installation
5. Electrical & Instrumentation

Project Title	Provision of Engineering, Procurement and Construction (EPC) Service for Bukom Crude Oil Tank (BCOT) Project
Client	Shell Eastern Petroleum Pte Ltd
Main Contractor	Rotary Engineering Ltd
Date of Commencement	Jul 2017
Date of Completion	Oct 2018 (Ongoing)

Samsung GMR Energy 2 x 400 MW CCP Project, Jurong Island, Singapore



Project Description

- BOP Mechanical & Piping Works (PACKAGE 2)
- EPC 7 tanks for Fuel Oil, NeWater, Fire Water and Demin. Water (105,250 cbm); Tank construction works mainly include general fitting, welding works, Pipes and fittings erection
- Shop fabrication and site erection of BOP piping (SS & CS) of around 55,000 DB
- Site erection of heavy equipments of around 1,100 tons
- Testing and pre-commissioning of the system to ensure plant readiness for energisation, and provide skilled manpower support to Samsung C&T (Main Contractor) for the commissioning works



Thai Oil - Khao Bo Ya Crude Tank Farm Legal Reserve Project Sriracha, Chonburi, Thailand



Project Description

- EPC of 5 numbers of tanks with 58 meter ID x 22 meter height, external floating roof single deck
- Supply and install of tank accessories such as breather valves, roof seal, roof drain system, fire water and foam piping system
- Supply and install 3 numbers of tank mixers (side entry) per tank

Project Title	Khao Bo Ya Crude Tank Farm Legal Reserve Project
Client	Thai Oil Public Company
Main Contractor	TREL
Date of Commencement	Mar 2017
Date of Completion	Sep 2018 (Ongoing)

SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Tankage

Thai Oil – Top new Tank Project, Thailand



SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Tankage

Project Title	Top New Tank Project
Client	Thai Oil
Main Contractor	Thai Rotary Engineering PCL.
Date of Commencement	Jun 2011
Date of Completion	Jul 2013

Thai Oil – Top new Tank Project, Thailand

Project Description

- Basic and detailed engineering for 5 numbers of Atmospheric tanks
- Tank diameter is 30, 36, 39 and 60 m. Respectively
- 2 numbers of 60 m. diameters with Aluminium Geodesic Dome Roof/Internal Floating Roof Full Face Contact (GRE : Glass Reinforced Epoxy Type)
- 2 numbers of 30 and 39 m. diameters with Fixed Cone Roof/Internal Floating Roof Full Face Contact (GRE : Glass Reinforced Epoxy Type) and other 36 m. diameters with Fixed Cone Roof
- Total Capacity for all Tanks– 183,400 cum
- Tanks (empty weight) – 3,450 tons
- ATM tanks products: Jet A1, Gasoil, MOGAS, TCP
- Safety man-hours w/o LTI – 420,000 mhrs
- Design and Supply of materials, fabrication and erection of tanks , testing and inspection



PTTGC - Butene-1 Storage Tank Project, Thailand



SCOPE OF WORK

Engineering Design,
Procurement and Construction:

1. Civil
2. Sphere Tank

Project Title	Butene-1 Storage Tank Project
Client	PTTGC
Main Contractor	Rotary Engineering Ltd
Date of Commencement	Feb 2012
Date of Completion	May 2013

PTTGC - Butene-1 Storage Tank Project, Thailand



Project Description

- Basic and detailed engineering for 1 number of Spherical tank which involves civil (foundation and dike) works
- Spherical tanks design under ASME Section VIII Div II
- Spherical tank product: Butene-1 (C₄H₈)
- Tanks (empty weight) – 560 tons
- Engineering, Procurement, Construction, Testing, Pre-commissioning, Mechanical Completion and putting into service of the Facilities until Notice of Mechanical Completion



Map Ta Phut Cracker Plant II, Rayong, Thailand



SCOPE OF WORK

Engineering Design,
Procurement, Construction & pre-commissioning:

1. Civil & Structural
2. Tankage
3. Piping & Structures
4. Mechanical Equipment Installation
5. Electrical & Instrumentation

Project Title	MOC Cracker Plant II (Tank Farm Unit)
Client	Map Ta Phut Olefins Co. Ltd. (Siam Cement Group)
Main Contractor	Thai Rotary Engineering Public Co Ltd
Date of Commencement	Jan 2007
Date of Completion	Apr 2009

Map Ta Phut Cracker Plant II, Rayong, Thailand

Project Description

- Basic and detailed engineering for 9 numbers of Spherical and 11 numbers of Atmospheric tanks which involves civil, process, mechanical, tankage, piping , electrical & instrumentation
- Spherical tanks design under ASME Sect VIII Div II; and atmospheric tanks under API 650/651 code
- Spherical tanks products: High Purity (HP) Ethylene/Propylene & C4
- ATM tanks products: Cracker bottom, mixed Xylene, Naphtha, Benzene, Toluene, Pyrolysis Gasoline
- Capacity of TFU – 190,000 cum
- Tanks (empty weight) - 9,625 tons
- Piping – 150,000 dia-inch
- Safety man-hours w/o LTI – 4,800,000 mhrs
- Design and Supply of materials, fabrication and erection of tanks , testing and inspection and pre-commissioning
- Design for spherical tank based on ASME Div II which results in material cost saving for client, via use of thinner tank plate materials





Business Development Department

T (65) 6866 0000

F (65) 6866 0181

www.rotaryeng.com.sg

An abstract geometric design is positioned on the left side of the slide. It features a large white circle at the top left, with a thin black line extending from its bottom edge to a small white circle. From this small circle, a line extends to the left, connecting to another small white circle. Below this, a series of lines form a complex, angular shape that resembles a stylized gear or a series of interconnected circles and polygons. The design is rendered in thin black lines on the yellow background.

ROTARY

Smart thinking. Safe hands.