



Headquarters

MUC Oil & Gas Engineering Consultancy
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Branch Office:

MUC Oil & Gas Engineering Consultancy, Fujairah



www.mucog.com





WHO WE ARE

MUC Oil & Gas Engineering Consultancy is a premier provider of Engineering & Project Management Consultancy Services for the Oil & Gas and Allied Industries sectors in the Middle East. In the year 2009, the Company was established in the Emirate of Fujairah to cater for the rising demand for premier Consultancy Services in Fujairah – the evolving Oil & Gas hub of the region.

After its establishment, the Company started working with the Government of the Fujairah on the development and the execution of the Master Plan for the Port of Fujairah expansion, in addition to a number of the most prestigious projects in Fujairah developed by National and International Oil Companies, as well as Private Investors. Over a short period of time, MUC Oil & Gas was able to position itself as the premier Consultant in Fujairah, and get set for further growth in different territories.

As the Company started proving its capabilities and earning its reputation, it was necessary to diversify its operations to different territories, and Hamriyah Free Zone in Sharjah was the starting point. In a very short period of time, MUC Oil & Gas was able to position itself among the key players in Hamriyah Free Zone and add more strength to its regional presence.

With major achievements over the past years, MUC Oil & Gas is now equipped with all the strength and expertise required to carry on with the planned expansions within the Middle East region. Our strength comes from the expertise and diversification of the multi-disciplined engineering and project management teams. We continuously strive to obtain optimum Engineering & Project Management solutions for our clients & maximize the “value for money” of their investment, regardless of the project complexity. Our dedicated team of reliable & experienced industry professionals is able to provide top-notch services that meet our Clients’ expectations.





MD'S MESSAGE

MUC Oil & Gas has grown from the young player in the Emirate of Fujairah, into a major player in the Oil & Gas industry with operations in the UAE, Middle East, Africa and around the globe. Over the past period, we have been striving to position our company in the competitive Oil & Gas market, promoting best engineering practices & the highest of ethical standards. Much of the success over the time is largely attributed to the unwavering dedication of our staff, our commitment to excellence and continual improvement and the continuous support & patronage of our valued Clients.

As we move into the future, MUC Oil & Gas is now better prepared to take any upcoming challenge in establishing its envisioned regional presence. It is our goal to promote our business across the entire Middle East

region and beyond with a strong and unwavering commitment to sustainability. Business to us is not "as usual", it is about accountability and responsibility.

At this juncture, we solicit for the continuous support & patronage of our valued Clients and all other stakeholders. Only with your support, MUC Oil & Gas will continue to deliver the quality service that meets your expectations.

Yours Sincerely,
Mohammad Y. Shahin



VISION

To be the preferred regional Oil & Gas Consultant, delivering the most challenging projects and achieving utmost levels of satisfaction for our Clients as well as other stakeholders

MISSION

To deliver quality Engineering & Project Management Consultancy Services to the Oil & Gas and Allied Industries, in a manner that is reliable, competitive, sustainable and customized to Client needs, promoting long-term business relationships & achieving utmost levels of Client satisfaction.

OUR CORE VALUES

Client Satisfaction

At MUC Oil & Gas, the satisfaction of our valued Clients is the cornerstone around which we appraise the success of every project. We stand out with our tailored skills and depth of understanding of our Clients' needs.

Employee Satisfaction

At MUC Oil & Gas, not only do we provide a career, but also we strive to continuously contribute to the wellbeing and self-development of our people. We believe that our growth is pivoted on the growth of our people.

Integrity

Our fervent commitment to high ethical standards on every assignment we undertake has earned us unrivaled reputation. Legacy of past projects has ensured continuous success while opening door for future opportunities.

Innovation & Excellence

At MUC Oil & Gas, we see every new assignment as an opportunity to innovate through our broad-based understanding of the industry. Our innovation is tied with our strong commitment to excellence in everything we do; resulting in delivering unmatched service to our valued Clients.

Team Work

At MUC Oil & Gas, TEAM = Together Everyone Achieves More.
Team Work is one of the fundamental pillars of MUC Oil & Gas's work culture. We operate as a family where individuals at all levels work closely together to contribute to the growth and development of the organization.





OUR COMMITMENT

We pride ourselves in our awareness and application of the Integrated Management System (IMS) based on integrating the requirements of ISO 9001:2015, ISO 14001:2015 and (ISO 45001:2018) Our Certified Integrated Management System is put in place to ensure effective planning within the organization, adequate operation & control of the processes, and excellent service delivery to our clients in a manner that is healthy, safe and environmentally friendly.

Quality Management System (ISO 9001 : 2015)

In compliance with ISO 9001:2015 requirements, our IMS ensures that we are consistently able to provide the quality service that meets our Clients' requirements and is in conformance with statutory rules & regulations. The effective application of our IMS ensures the continual improvement of our processes & practices which results in improving the quality of our service and consequently enhancing the satisfaction of our clients.

Environmental Management System (ISO 14001 : 2015)

In compliance with ISO 14001:2015 requirements, processes are put in place to ensure that all related environmental aspects are identified and effective protection of the environment is achieved. Our IMS ensures that the Company's activities comply with applicable environmental rules & regulations, and guarantees that environmental targets are better achieved through continual improvement of related processes.

(ISO 45001 : 2018)

In compliance with (ISO 45001 : 2018) , our IMS provides a framework that ensures the continuous identification & control of occupational health & safety risks, the reduction of the accident potential & the improvement of the working environment in compliance with the applicable occupational health & safety rules & regulations.

OUR SUSTAINABILITY APPROACH

Environmental Impact & Sustainability

- Continually strive to improve our environmental performance wherever practicable.
- Make the most efficient and effective use of all resources, encouraging all staff to develop a sustainable approach to their work.
- Minimize carbon emissions from business travel by avoiding unnecessary travel and travelling by energy efficient transport unless there are reasons why this is not practicable or if there are other circumstances that would impede efficiency or effectiveness.
- Encourage staff to use sustainable modes of transport to commute to work.
- Identify and implement cost-effective energy and water conservation measures and minimize waste generated.

Business Ethics

- Meet, and where possible, exceed all relevant legal requirements.
- Maintain the highest ethical, honesty and integrity standards and maintain fairness in all our dealings and relationships.
- Maintain internal controls adequate to ensure standards are met.

Procurement

- Develop and implement a sustainable and socially responsible procurement policy.
- Work with our suppliers to help us achieve our sustainable and socially responsible procurement policy aspirations in the delivery of our services.

Our People

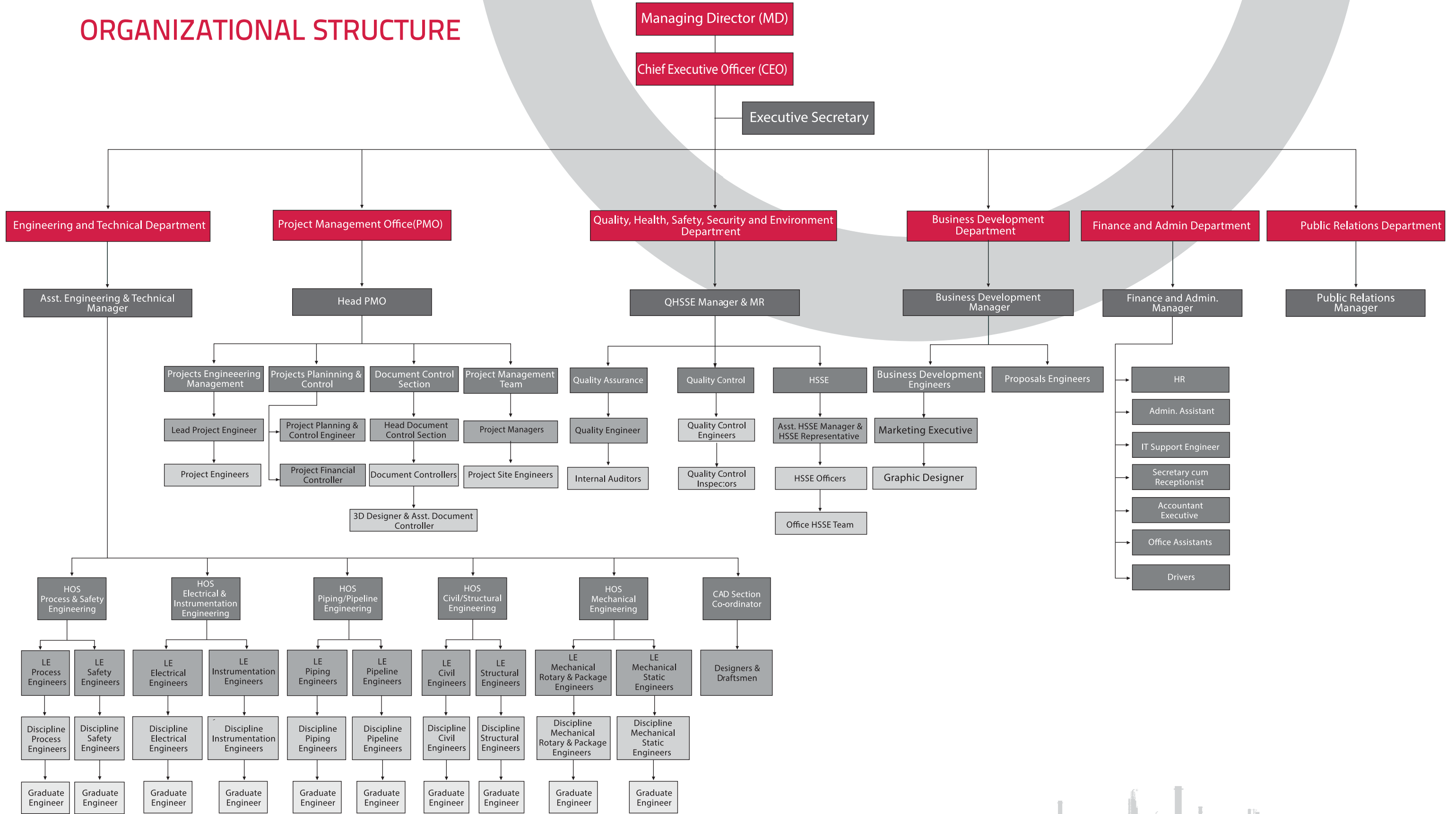
- Respect the rights and dignity of every employee and treat them fairly and without discrimination on the grounds of sex, marital status, color, race, religion, age, ethnic origin, nationality or disability.
- Promote the health and well-being of our staff.
- Encourage team-working and the sharing of knowledge throughout the organization.
- Provide a safe, fulfilling and rewarding career for all our employees.

In The Community

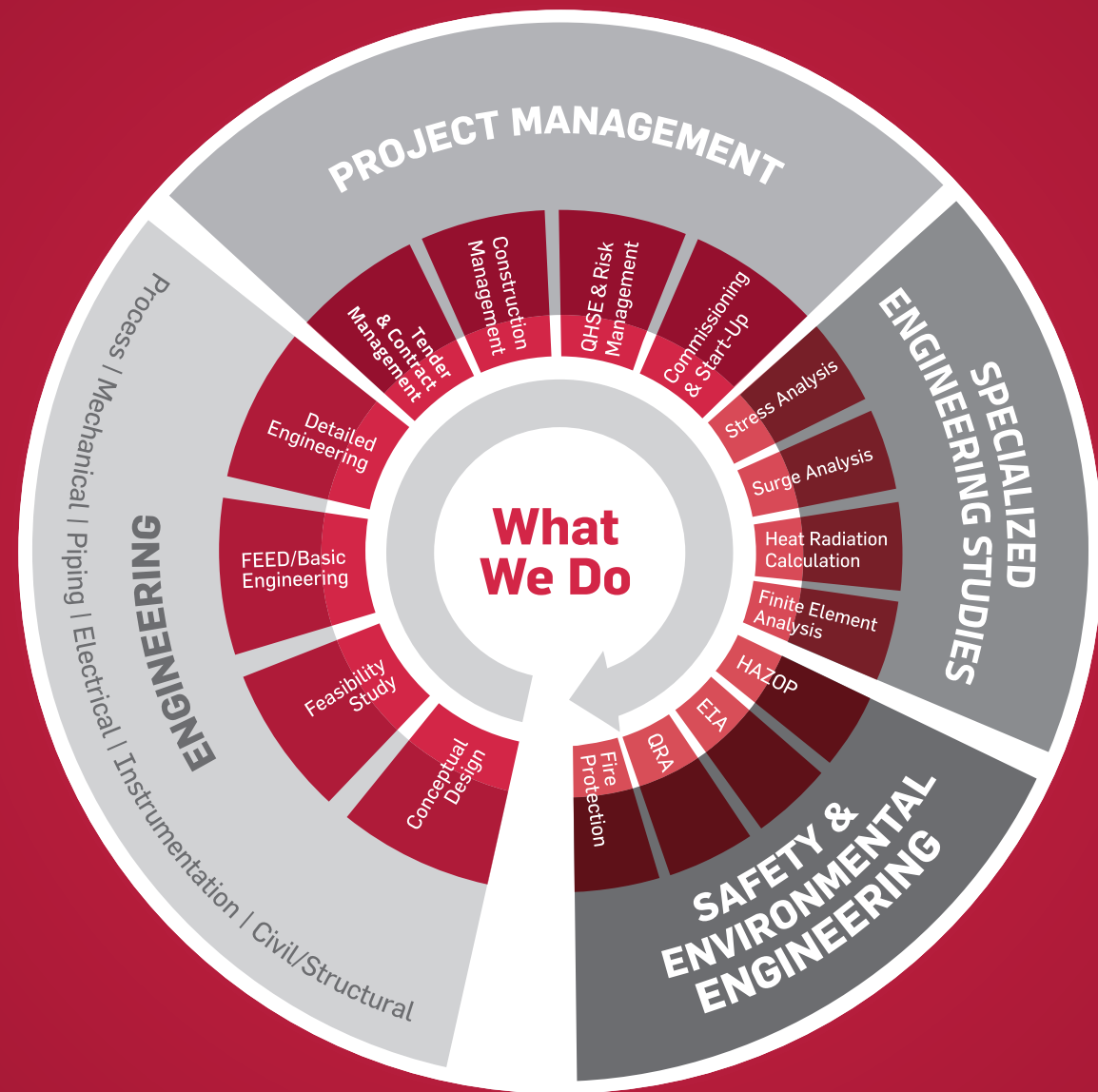
- Strong commitment to make positive impacts on the communities where we deliver our services.
- We promote and encourage our staff to undertake voluntary activities and participate in Community Development.



ORGANIZATIONAL STRUCTURE



OUR SERVICES



Storage Tank Terminals | Ports and Topside Facilities
Pipelines | Lube Oil & Petrochemical Plants

ENGINEERING

MUC Oil & Gas has the key resources and talents in-house to bring the most practical solutions tailored to the Clients' needs. In addition to the multi-disciplined "one stop shop" service, we are also able to deliver specialized single-disciplined engineering and design solutions to meet the individual needs of our Clients while adhering to the relevant internationally accepted codes & standards and applicable statutory rules and regulations. Our Team of expert Engineers covers the following Engineering Disciplines:

- Process & Process Safety Engineering
- Mechanical (Static & Rotary) Engineering
- Piping and Pipeline Engineering
- Electrical Engineering
- Instrumentation Engineering
- Civil/Structural Engineering

Conceptual Engineering Design

Based on the Client's needs, our group of qualified and experienced engineers will come up with concepts of several possible engineering solutions, through the implementation of the best engineering practices and the utilization of the latest technology. By the end of this stage, a number of conceptual engineering solutions with the general design layout and some basic calculations are delivered to the Client to select from, along with recommendation for the optimum solution.

Feasibility Study

Based on our broad experience and deep understanding of the industry and market trends, we conduct studies to evaluate the market opportunity and validate the technical & economic feasibility of the proposed designs. Ultimately, we produce a Feasibility Study report that outlines the final outcome to the Client, and assist him in taking subsequent decisions in relation to the project.

Basic/Front End Engineering Design

In this package, we translate the conceptual design or feasibility study of the project into an optimum & comprehensive engineering design that reflects the Client requirements while adhering to applicable statutory rules and regulations. Depending on the Client's requirement, the final outcome can be transformed into the Basic Engineering Design package covering all engineering deliverables necessary to define the design basics, or the more detailed Front End Engineering Design (FEED) package which can form the technical basis of the Tender Package.

Detailed Engineering Design

Detailed Engineering Design is the essential bridge between the FEED and the construction phase of the project. Our team of reliable and experienced engineers & designers are fully capable of delivering the complete Detailed Engineering Design package defining all details necessary for construction. Latest Computer Aided Design (CAD) tools are extremely used to come up with the optimum design ensuring maximum construction, operational and maintenance convenience. We adhere to relevant standards, specifications, procedures & regulations.



PROJECT MANAGEMENT CONSULTANCY (PMC)

When we offer our Project Management Consultancy package to our Clients, they know that their project lies in safe hands. From tender preparation & administration to the final commissioning and hand over, our Project Team will be closely supervising each and every aspect of the project ensuring that our Client's interest is best protected. In other words, when we say "Client Representative", we truly mean it. Our Project Management Consultancy service spans the entire project execution phase, including but not limited to the following:

- Tender Package Preparation and Administration
- Contract and Procurement Management
- Project Execution Planning & Control
- Construction Management & Supervision
- Quality Management
- Project HSE Management
- Risk Management & Cost Control
- Project Pre-commissioning and Commissioning Assistance

SPECIALIZED ENGINEERING STUDIES

In addition to the complete engineering solutions, our team of specialized and experienced engineers is ready to provide specific Specialized Engineering Studies that may be requested by any of the project stakeholders at any stage of the project. The scope of the service covers, but is not limited to, the following:

- Computational Fluid Dynamics
- Stress Analysis
- Surge Analysis
- Heat Radiation Calculations
- Finite Element Analysis
- Design Integrity Studies and Residual Engineering

SAFETY & ENVIRONMENTAL ENGINEERING

Considering the high importance of the safety and environmental aspects of any project, we have a dedicated team of experts who provide a range of Safety & Environmental Engineering studies. Whether related to the project design, project surroundings or environment, our team of experts will make sure that all relevant safety & environmental aspects are adequately addressed, and where applicable, protective measures and safeguards are implemented. Our scope of service covers, but is not limited to, the following:

- Hazard & Operability (HAZOP) Study
- Hazard Identification (HAZID) Study
- Quantitative Risk Assessment (QRA)
- Formal Safety Assessment (FSA)
- Design of Active & Passive Fire Protection Systems
- Environmental Impact Assessment (EIA)





OUR PROJECTS



- Client :** Port of Fujairah
- Project :** Oil Terminal No. 2 (OT2) and Matrix Manifold
- Description :** Berth 4,5,6 & 7 of the marine Oil Terminal No.2 (OT2) for the ship-loading / unloading of petroleum products and Matrix Manifold.
- Services:** Project Management Consultancy
- Completion Year :** Completed 2011



Client : SOCAR AURORA Fujairah Terminal FZE /GTI Fujairah FZC

Project : SOCAR AURORA Fujairah Terminal /GTI Fujairah FZC

Description : Storage Tank Terminal with 640,000 m3 of capacity for storage of white and black petroleum products and connection to Port of Fujairah Matrix Manifold

Services: FEED, EPC Tendering, PMC, HAZOP, and EIA

Completion Year : - Phase I completed 2012
- Phase II completed 2013
- Phase III FEED completed 2015

Client : IL&FS Prime Terminals FZC (IPTF)

Project : IL&FS Prime Tank Terminal (IPTT)

Description : Storage Tank Terminal with 630,000 m3 of capacity for storage of white and black petroleum products and connection to Port of Fujairah Matrix Manifold

Services : FEED, EPC Tendering, PMC HAZOP and EIA

Status : - Phase I Completed 2015
- Phase II FEED Completed 2016



Client : JV between Concord Energy (Syngapore) and Sinopec (China)

Project : Fujairah Oil Terminal

Description : Tank Terminal with 1,177,000 m3 capacity for the storage of crude oil, white oil and black petroleum products with a dedicated tank-farm for Gas oil and connection to jetties at Port of Fujairah (POF).

Services : FEED, PMC and EIA

Status : Completion Year:-Stage 1 Completed 2014
 - Stage 2 Completed 2016
 - Stage 3: FEED Completed 2016

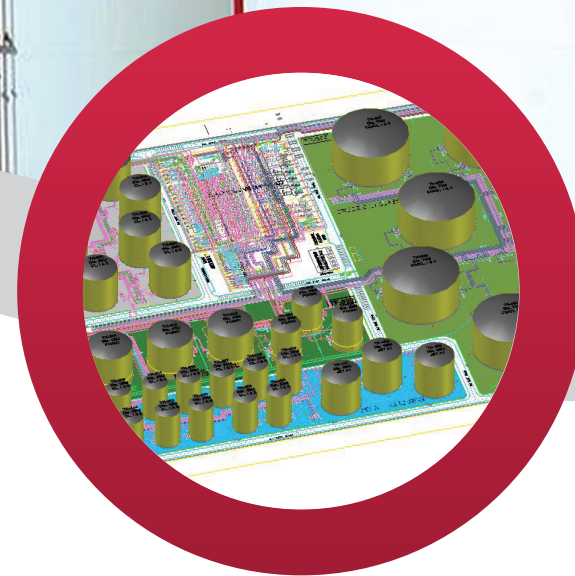
Client : Ecomar Energy Solutions FZC

Project : Petroleum Regeneration and Processing Facility

Description : Modular refinery with processing capacity of 10,000 bpd and an associated 135,000 m3 of storage capacity and connection to Port of Fujairah Matrix Manifold

Services : FEED, EPC Tendering, PMC and EIA

Status : - Phase I Completed 2020
 - Phase II FEED Completed 2020



For illustration only

Client : Brooge Petroleum & Gas Investment Company

Project : BPGIC Oil Terminal

Description : Storage Tank Terminal with 1 Million m³ of capacity for the storage of white and black petroleum products and connection to Port of Fujairah Matrix Manifold

Services : FEED, EPC Tendering, PMC, HAZOP and EIA

Status : Phase I Completed 2018
Phase II Completed 2021

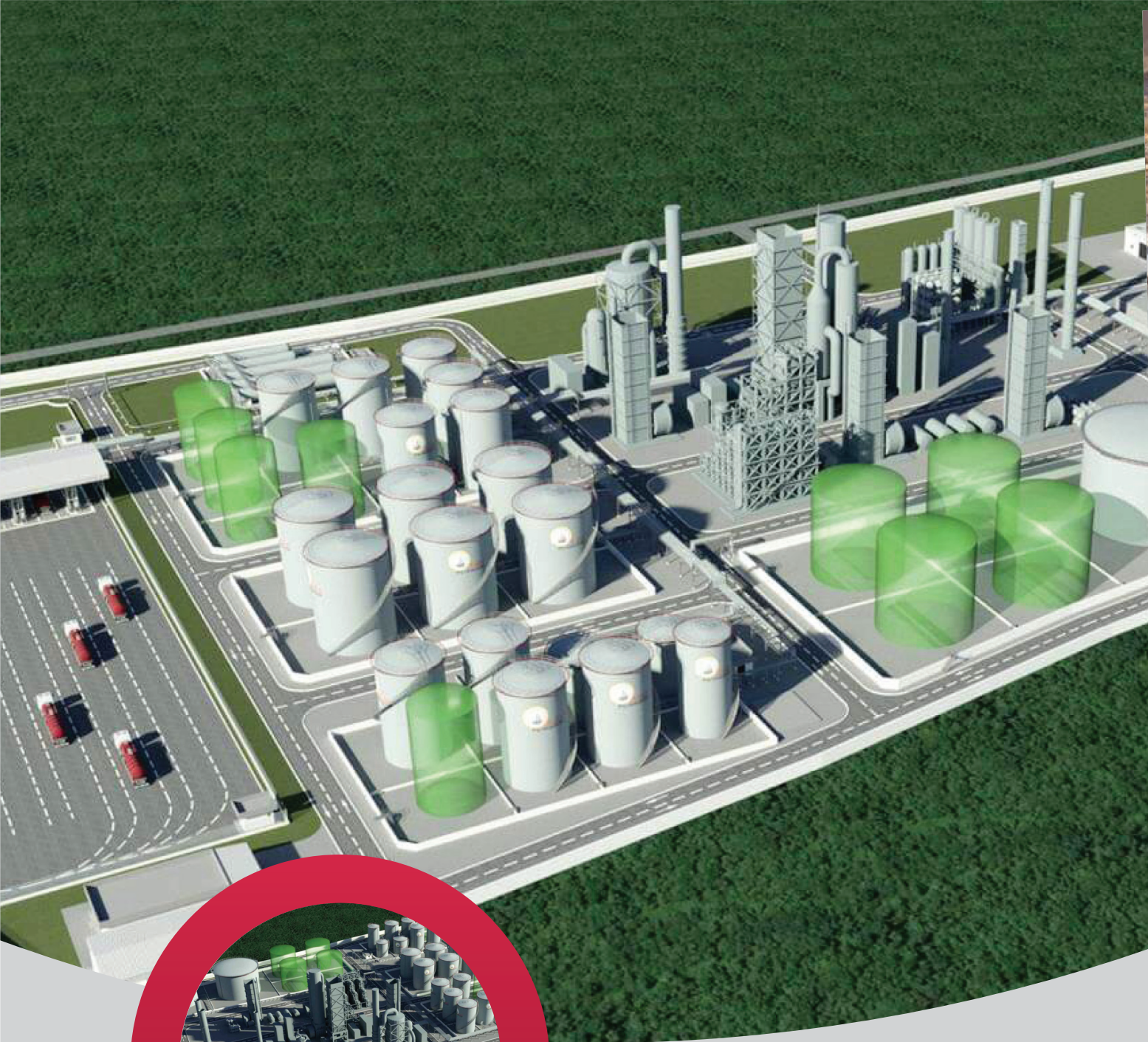
Client : Brooge Petroleum & Gas Investment Company

Project : BPGIC Oil Terminal Phase III

Description : Storage Tank Terminals with 1.4 Million m³ capacity for the storage of Crude oil and different grades of Class I, II & III products with pipeline connection to POF Matrix Manifolds

Services : FEED, EPC Tendering and PMC Services

Status : Ongoing



Client : Azikel Petroleum Limited

Project : Azikel Petroleum Limited 12,000 BPSD Refining Complex

Description : Modular refinery with processing capacity of 12,000bpd and an associated 115,000m3 of storage capacity.

Services : FEED, Detail Engineering, EPC Tendering, Budgetary Estimation, Soil Investigation and HAZOP

Status : Completed 2020



Client : Vopak Horizon Fujairah Limited (VHFL)

Project : VHFL Jetty

Description : Finger Pier private jetty for ship-loading / unloading of petroleum products - topside facilities

Services : Front End Engineering Design

Status : Completed 2013



Client : Port of Fujairah
Project : Oil Terminal No. 2 (OT2) Phase II and Matrix Manifold 2 (MM2)
Description : Oil Terminal No. 2 (OT2) Phase II including berths 9 & 8 and Matrix Manifold 2 (MM2)
Services : FEED, Tendering, PMC, HAZOP, and EIA
Status : Completed 2015

Client: Vitot Tank Terminals International (VTTI)
Project : VTTI Fujairah
Description : Storage Tank Farm expansion with 500,000 m3 of storage capacity and several refinery units.
Services: FEED and Detailed Engineering
Completion Year : Completed 2008

Date: 26 December 2014

LETTER OF APPRECIATION


Project : Fujairah Oil Terminal
 Contract Number : P42P1648
 Project Consultant : MUCOG

FOT wishes to commend MUCOG for your high level of professional management skill and effort to manage the completion of FOT project in accordance with the mechanical completion schedule (28 December 2014).

FOT are very pleased with the quality of service your company provided and appreciating your responsiveness on the way MUCOG professionally managed the project.

Our special thanks to Mr. Awais Qureshi and his team of professional Managers for the wonderful management skill you did on FOT project, thanking you for the enthusiasm, the high level of management and supervision you have shared to your team.

Again congratulations to MUCOG and the whole of your team for your support for the realisation of this Fujairah Oil Terminal project.

Yours Sincerely,

 William Tha
 Deputy Project Manager
 Fujairah Oil Terminal

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 Abu Dhabi, UAE
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BPGIC

شركة بروج للبتروكيماويات والغاز
 Brooge Petroleum And Gas Investment Co.

03-Dec-2017


CONTRACT NO. 14201-PRO-CON-09 REV. 4
TECHNICAL ADVISE AND PROJECT MANAGEMENT CONSULTANCY SERVICES FOR THE BPGIC FUJAIRAH TERMINAL PHASE I FUJAIRAH UAE

We, Brooge Petroleum and Gas Investment Company FZCO (BPGIC), UAE hereby certify that M/s MUC Oil & Gas Engineering Consultancy LLC (hereinafter referred as the Consultancy) successfully completed the above Services.

Project Information:
 Name: BPGIC Fujairah Terminal, Fujairah, UAE.
 Location: At Fujairah, Fujairah, UAE.
 Storage Capacity: 300,324 m³ (14 Product Tanks-various sizes) - Phase I
 Stored Products: Range of white and black petroleum products, with ancillary utilities and facilities.

Scope: Project Management Consultancy Services which involve:
 1- Detailed Design and Engineering Review, and
 2- Project Management and Technical Advisory Services

The performance of the Consultant for the above mentioned services was satisfactory, in the view of the good performance of the above services, we do not hesitate to recommend them for future projects.

For and on behalf of

 Brooge Petroleum and Gas Investment Company FZCO

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Sharjah Electricity & Water Authority
 Fujairah Station For Power Generation and Water Desalination
 P.O. Box : 6884, Sharjah - U.A.E.
 Telephone : 06 5282003
 Fax : 06 5282080
 Email : jshah@sewa.gov.ae

هيئة كهرباء ومياه الشارقة
 محطة توليد الكهرباء ومحلية المياه
 ص.ب. 6884 - الشارقة - ا.ع.
 هاتف : 5282003
 فاكس : 5282080
 بريد إلكتروني : jshah@sewa.gov.ae

RF# FAS/1925 Date: 08 January 2014

Certificate of Completion

Contract No. (SPS/O/1/00408) & (SPS/O/1/001223)
 Project Management Consultancy (PMC) Services for the Maintenance of 28,000 m³ Storage Tank No. 8 at Fujairah Power Station.

We, Sharjah Electricity and Water Authority, Layah Station for Power Generation and Water Desalination, hereby certify that M/s MUC Oil & Gas Engineering Consultancy LLC (hereinafter referred as the above project) during June 2012 as detailed below. The project was completed within the project schedule.

Scope: Project Management Consultancy (PMC) Services which involve:
 1. Detailed Design & Engineering Review,
 2. Project Management Services.

The performance of M/s MUC Oil & Gas Engineering Consultancy for the above mentioned services was satisfactory.

In view of the good performance of the above services, we do not hesitate to recommend them for the future projects in the similar nature.

Yours Faithfully,

 ESSA OTHAID AL-SUWAIDI,
 GENERATION MANAGER,
 Sharjah Electricity & Water Authority.

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ECOMAR

MUC Oil & Gas Engineering Consultancy, LLC
 P.O. Box 47847
 Sharjah
 U.A.E.

01 May 2014

Letter for Recommendation

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Hazard & Operability (HAZOP) study and preparation of Tender Documents for the IL&FS Prime Terminals FZCO (PTT), Fujairah, UAE. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was satisfactory.

Project Information:
 Name: IL & FS Prime Terminals FZCO
 Location: Fujairah, UAE
 Storage Capacity: 833,000 m³
 Stored Products: Range of white & black petroleum products

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of similar nature.

Yours Faithfully,

 P. M. Kish
 Chief Executive Officer

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 Abu Dhabi, UAE
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IL&FS PRIME TERMINALS FZCO


Date: 18th April 2012

Letter for Recommendation

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Front End Engineering Design (FEED), Tender Administration, the Hazard & Operability (HAZOP) study, within the Project schedule for the SOCAR AURORA Fujairah Terminal (SAFT) project, Fujairah, UAE. In addition to the provision of Project Management Consultancy (PMC) services for the construction of Phase II of the SAFT project. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was satisfactory.

Project Information:
 Name: IL & FS Prime Terminals FZCO
 Location: Fujairah, UAE
 Storage Capacity: 228,000 m³
 Stored Products: Range of white & black petroleum products

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of similar nature.

Yours Faithfully,

 Nizamuddin Nizam
 Chief Operating Officer

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 Abu Dhabi, UAE
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 Email: info@ecomar.ae

SOCAR AURORA FUJAIRAH TERMINAL

PO Box 5385, Fujairah, UAE
 Tel: +971 9 228 1360
 Fax: +971 9 228 1361
 Email: info@socar.ae

23rd December 2013

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Front End Engineering Design (FEED), Tender Administration, the Hazard & Operability (HAZOP) study, within the Project schedule for the SOCAR AURORA Fujairah Terminal (SAFT) project, Fujairah, UAE. In addition to the provision of Project Management Consultancy (PMC) services for the construction of Phase II of the SAFT project. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was satisfactory.

Project Information:
 Name: SOCAR AURORA Fujairah Terminal (SAFT I)
 Location: Fujairah, UAE
 Storage Capacity: 228,000 m³
 Stored Products: Range of white & black petroleum products

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of similar nature.

Yours Faithfully,

 Nizamuddin Nizam
 Chief Operating Officer

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 Abu Dhabi, UAE
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 Email: info@ecomar.ae

ECOMAR

MUC Oil & Gas Engineering Consultancy, LLC
 P.O. Box 47847
 Sharjah
 U.A.E.

01 April 2015

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Conceptual Engineering & Design and Front End Engineering Design (FEED) for the Phase 1 of the Project well within the Project schedule. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was up to the mark and to our full satisfaction.

Project Information:
 Project Name: Gulf Petrochem Storage Terminal - Hamriyah
 Client Name: Gulf Petrochem FZCO
 Location: Hamriyah, UAE
 Project Number: 141104

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of the same nature.

For Gulf Petrochem FZCO
 Name: Shoukat Ali
 Designation: Project Manager
 Sign: 
 Stamp: 

ECOMAR
 Abu Dhabi, UAE
 Tel: +971 2 822 3176
 Fax: +971 2 822 3182
 Email: info@ecomar.ae

Date: 26 December 2014

LETTER OF APPRECIATION

Project : Fujairah Oil Terminal
 Contract Number : P42P1648
 Project Consultant : MUCOG

FOT wishes to commend MUCOG for your high level of professional management skill and effort to manage the completion of FOT project in accordance with the mechanical completion schedule (28 December 2014).

FOT are very pleased with the quality of service your company provided and appreciating your responsiveness on the way MUCOG professionally managed the project.

Our special thanks to Mr. Awais Qureshi and his team of professional Managers for the wonderful management skill you did on FOT project, thanking you for the enthusiasm, the high level of management and supervision you have shared to your team.

Again congratulations to MUCOG and the whole of your team for your support for the realisation of this Fujairah Oil Terminal project.

Yours Sincerely,

 William Tha
 Deputy Project Manager
 Fujairah Oil Terminal

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BPGIC

شركة بروج للبتروكيماويات والغاز
 Brooge Petroleum And Gas Investment Co.

01-April-2015

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Conceptual Engineering & Design and Front End Engineering Design (FEED) for the Phase 1 of the Project well within the Project schedule. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was up to the mark and to our full satisfaction.

Project Information:
 Project Name: BPGIC Fujairah Terminal - Phase 1
 Client Name: Brooge Petroleum and Gas Investment Company FZCO
 Location: Fujairah, UAE

Scope Completed: Conceptual Engineering and Design
 Front End Engineering Design (FEED)

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of the same nature.

For and on behalf of

 Brooge Petroleum and Gas Investment Company FZCO

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Gulf Petrochem

25-September-2014

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Residual Engineering Services, FEED and Tender Preparation & Administration for the Project well within the Project schedule. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was up to the mark and to our full satisfaction.

Project Information:
 Project Name: Gulf Petrochem Storage Terminal - Hamriyah
 Client Name: Gulf Petrochem FZCO
 Location: Hamriyah, UAE
 Project Number: 141104

Scope Completed: Residual Engineering Services
 Front End Engineering Design (FEED)
 Tender Preparation and Administration

Project Completion Date: 25-September-2014

For Gulf Petrochem FZCO
 Name: Shoukat Ali
 Designation: Project Manager
 Sign: 
 Stamp: 

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 Abu Dhabi, UAE
 Tel: +971 2 822 3176
 Fax: +971 2 822 3182
 Email: info@ecomar.ae

Oiltanking ODFJELL

Ref: P/1401-00TO-MUC-L001 Date: 10 August 2014

MUC Middle East Engineering Consultancy LLC
 P.O. Box 47818, Abu Dhabi
 United Arab Emirates
 Tel: +971 2 833 1882
 Fax: +971 2 833 1886

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Conceptual Engineering & Design / Basic Engineering Design and Project Costing as per order within the Project schedule. The performance of M/s MUC Middle East Engineering Consultancy for the mentioned services was up to the mark and to our full satisfaction.

Project Information:
 Project Name: Process Unit Integration for Storage and Handling of Crude Oil
 Client Name: Oiltanking Odfjell Terminals & Co. LLC
 Location: Sohar, Sultanate of Oman
 Project Completion Date: 10-August-2014

In view of the good performance of the above services, we are happy to recommend M/s MUC Middle East Engineering Consultancy for future jobs of the same nature.

Authorized Signature,
 For Oiltanking Odfjell Terminals & Co. LLC, Oman

 (Jonathan Silk)
 Technical Manager

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 Abu Dhabi, UAE
 Tel: +971 2 822 3176
 Fax: +971 2 822 3182
 Email: info@ecomar.ae

KISMAT PETROLEUM FZCO

Ref: P/1401-00TO-MUC-L001 Date: 10 August 2014

MUC Middle East Engineering Consultancy LLC
 P.O. Box 47818, Abu Dhabi
 United Arab Emirates
 Tel: +971 2 833 1882
 Fax: +971 2 833 1886

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Front End Engineering Design for Phase I of the Project well within the Project schedule. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was up to the mark and to our full satisfaction.

Project Information:
 Project Name: Kismat Petroleum Terminal PH1 - HFZ
 Client Name: Kismat Petroleum FZCO
 Location: Hamriyah, UAE
 Project Completion Date: 10-December-2013

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of the same nature.

For Kismat Petroleum FZCO
 Name: BHASH DHAMALA
 Designation: MANAGER

ECOMAR
 Abu Dhabi, UAE
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 Email: info@ecomar.ae

AZIKEL PETROLEUM

Date: 27th Jan '15


Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Front End Engineering Design (FEED), Tender Administration and Environmental Impact Assessment (EIA) within the Project schedule for the SOCAR AURORA Fujairah Terminal (SAFT) project, Fujairah, UAE. In addition to the provision of Project Management Consultancy (PMC) services for the construction of Phase II of the SAFT project. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was satisfactory.

Project Information:
 Project Name: IL&FS Prime Tank Terminal (BPTT) - Phase I
 Client Name: IL&FS Prime Terminals FZCO
 Location: Fujairah, UAE
 Project Number: 120782

Scope Completed: Project Management Consultancy Services
 Project Completion Date: 30-June-2015

We wish them the very best for their future projects and endeavors.

With Best Regards,

 Uthak Akbulut
 Project Manager

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IL&FS PRIME TERMINALS FZCO

Ref: 120782-PTT-MUCOG-LT-1285
 Date: August 20, 2015

To: MUC Oil & Gas Engineering Consultancy,
 P. O. Box - 47847
 Sharjah, UAE


Kind Attn: Mr. Mohammed Zahir, Project Director

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Front End Engineering Design (FEED), Tender Administration, the Hazard & Operability (HAZOP) study, and the Environmental Impact Assessment (EIA) within the Project schedule for the SOCAR AURORA Fujairah Terminal (SAFT) project, Fujairah, UAE. In addition to the provision of Project Management Consultancy (PMC) services for the construction of Phase II of the SAFT project. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was satisfactory.

Project Information:
 Name: SOCAR AURORA Fujairah Terminal (SAFT)
 Location: Fujairah, UAE
 Storage Capacity: 840,000 m³
 Stored Products: Range of white & black petroleum products

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of the same nature.

Yours Faithfully,

 Armer Kullali
 Chief Executive Officer

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SOCAR AURORA FUJAIRAH TERMINAL

PO Box 5385, Fujairah, UAE
 Tel: +971 9 228 1360
 Fax: +971 9 228 1361
 Email: info@socar.ae

15th March 2012

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Front End Engineering Design (FEED), Tender Administration, the Hazard & Operability (HAZOP) study, and the Environmental Impact Assessment (EIA) within the Project schedule for the SOCAR AURORA Fujairah Terminal (SAFT) project, Fujairah, UAE. In addition to the provision of Project Management Consultancy (PMC) services for the construction of Phase II of the SAFT project. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was satisfactory.

Project Information:
 Name: SOCAR AURORA Fujairah Terminal (SAFT)
 Location: Fujairah, UAE
 Storage Capacity: 840,000 m³
 Stored Products: Range of white & black petroleum products

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of the same nature.

Yours Faithfully,

 Armer Kullali
 Chief Executive Officer

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ECOMAR

MUC Oil & Gas Engineering Consultancy, LLC
 P.O. Box 47847
 Sharjah
 U.A.E.

15 May 2014

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Conceptual Engineering & Design (CED) Analysis for Tank Blending System study within the Project schedule for the SOCAR AURORA Fujairah Terminal (SAFT) project, Fujairah, UAE. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was up to the mark and to our full satisfaction.

Project Information:
 Name: SOCAR AURORA Fujairah Terminal (SAFT) - (GFT)
 Location: Fujairah, UAE
 Storage Capacity: 840,000 m³
 Stored Products: Range of white & black petroleum products

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of the same nature.

Yours Faithfully,

 Nizamuddin Nizam
 Chief Operating Officer

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SOCAR AURORA FUJAIRAH TERMINAL

PO Box 5385, Fujairah, UAE
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 Email: info@socar.ae

23rd December 2013

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Front End Engineering Design (FEED), Tender Administration and Environmental Impact Assessment (EIA) within the Project schedule for the Middle East Tanking Solutions (METS), Fujairah FZCO, UAE. The Services have been completed in accordance with the provision of the Service Agreement. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was satisfactory.

Project Information:
 Name: Middle East Tanking Solutions (METS) Fujairah FZCO
 Location: Fujairah, UAE
 Storage Capacity: 43,000 m³ with Storage Tanks (17 nos.), with major facilities including Dry Cargo Warehouse, Drum Production facility, Drum Filling Facility, Tank Loading, Tanker Cleaning facility, ETP, Refrigeration system, Boiler Unit
 Stored Products: Range of petrochemical products

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of the same nature.

Yours Faithfully,

 Ravi Ramani
 Director - Planning
 Middle East Tanking Solutions (METS)
 Fujairah FZCO

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Middle East Tanking Solutions, Fujairah-FZCO

PO. Box No. 50138, FUJAIRAH, UAE. Phone: 092233264 • Fax: 092239265
 Email: info@metssolutions.com, info@middleeasttanking.com

Date: 09th March 2014
 Ref: METS/2014/Mar/LC30

Certificate of Completion

We hereby certify that M/s MUC Oil & Gas Engineering Consultancy has successfully completed the Front End Engineering Design (FEED), Tender Administration and Environmental Impact Assessment (EIA) within the Project schedule for the Middle East Tanking Solutions (METS), Fujairah FZCO, UAE. The Services have been completed in accordance with the provision of the Service Agreement. The performance of M/s MUC Oil & Gas Engineering Consultancy for the mentioned services was satisfactory.

Project Information:
 Name: Middle East Tanking Solutions (METS) Fujairah FZCO
 Location: Fujairah, UAE
 Storage Capacity: 43,000 m³ with Storage Tanks (17 nos.), with major facilities including Dry Cargo Warehouse, Drum Production facility, Drum Filling Facility, Tank Loading, Tanker Cleaning facility, ETP, Refrigeration system, Boiler Unit
 Stored Products: Range of petrochemical products

In view of the good performance of the above services, we are happy to recommend M/s MUC Oil & Gas Engineering Consultancy for future jobs of the same nature.

Yours Faithfully,

 Ravi Ramani
 Director - Planning
 Middle East Tanking Solutions (METS)
 Fujairah FZCO

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❖ LIST OF PROJECTS

Sl. No.	Clients	Project Title	Location	Project Summary	Service(s) offered by MUC	Status
1	Brooge Petroleum & Gas Investment Company	BGPIC Oil Terminal- Phase II	Fujairah, UAE	Storage Tank Terminal with 601,600 m ³ of capacity for storage of Fuel Oil and Crude Oil and connection to jetties.	FEED, EPC Tendering, & PMC	Ongoing
2	Brooge Petroleum & Gas Investment Company	BGPIC Phase III	Fujairah, UAE	Storage Tank Terminal with 2,000,000 m ³ of capacity for storage of Crude Oil, Fuel Oil (Black Oil) and White Oil and connection to jetties.	FEED, EPC Tendering & PMC	Ongoing
3	Brooge Petroleum & Gas Investment Company	24,000 BPSD Topping Unit	Fujairah, UAE	FEED for 24,000 BPSD Topping Unit	FEED	Completed 2021
4	Gulf Petrochem	New Bitumen Line From HNT Terminal To Main Harbour	Hamriyah, Sharjah	FEED for new bitumen line from HNT terminal to main harbour	FEED	Completed
5	Gulf Petrochem	Venting Design Calculation, Inlet Diffuser Calculation and IFR Vent Adequacy Check for Tanks in GP Refinery 2	Hamriyah, Sharjah	Venting Design Calculation, Inlet Diffuser Calculation and IFR Vent Adequacy Check for Tanks in GP Refinery 2	Detailed Engineering	Completed
6	Ecomar Energy Solutions FZC	Petroleum Regeneration and Processing Facility – Phase II	Fujairah, UAE	FEED for Petroleum Regeneration and Processing Facility – Phase II	FEED	Completed
7	Fujairah Oil Terminal FZC	FOT VLCC Connectivity	Fujairah, UAE	Feasibility Study for FOT VLCC Connectivity	Feasibility Study	Completed
8	Azikel Petroleum	Azikel Oil Refinery	Nigeria, Africa	FEED and Detailed Engineering Design – Offsite, Facilities. Project Management Consultancy Services – Refinery.	Revised FEED Budgetary Pricing & EPC Tendering, PMC	Completed
9	Gulf Petrochem	Gulf Petrochem Refinery 2 – Port Terminal Pipeline Connection	Hamriyah, Sharjah	FEED for two new pipeline form Gul Petrochem Refinery 2 to Port Terminal	FEED	Completed
10	Sahara Energy Resources DMCC	Topping Unit	Fujairah, UAE	Basic Engineering Design Package (BDEP) & Budgetary Estimate for the proposed 24,000 BPD Topping Unit	FEED	Completed
11	IL & FS Prime Terminal Fujairah (IPTF)	IPTT – Tank Farm	Fujairah, UAE	Basic Engineering and Detailed Engineering and Design for the conversion of 6 Fuel oil tanks (4 Nos. 39,766 m ³ tanks, 1 No. 9,505 m ³ tank and 1 No. 25,450m ³ tank) to cater the storage of White Oil.	Basic Engineering, Detailed Design, Budgetary Pricing & EPC Tendering, PMC	Completed
12	Hamriyah Free Zone Authority (HFZA)	Multi-Level Pipe Rack System	Sharjah, UAE	Development of Multi-Level Pipe Rack for Oil Terminal Users' pipelines	Basic Engineering, Budgetary Pricing & EPC Tendering, PMC	Completed
13	IL & FS Prime Terminal Fujairah (IPTF)	IPTT – Chemical Terminal	Fujairah, UAE	Preliminary Feasibility Study - Petrochemical Terminal	Preliminary Feasibility Study	Completed
14	Fujairah Oil Terminal	Gasoil Tank Farm	Fujairah, UAE	Development of a dedicated Tank Farm for Gasoil.	FEED, Budgetary Pricing & EPC Tendering, PMC	Completed
15	Sharjah Port Authority	Hamriyah Port Oil Terminal	Sharjah, UAE	Matrix Manifold System at Port and Topside Facilities for Berths.	FEED, Budgetary Pricing & EPC Tendering	Completed
16	Socar Aurora Fujairah Terminal FZE (Now GTI)	SAFT Crude Oil Storage Terminal	Fujairah, UAE	Development of 1,000,000 m ³ Storage Terminal	FEED, Budgetary Pricing & EPC Tendering	Completed
17	Fujairah Oil Terminal	VLCC Connectivity	Fujairah, UAE	Development of dedicated Pipelines and Pump Station to connect to VLCC Berths of Port of Fujairah	FEED, Budgetary Pricing & EPC Tendering,	Completed
18	Sunrise Petroleum	Sunrise (Wardak) Petroleum Terminal	Hamriyah, UAE	Development of 60,000 m ³ Storage Terminal	GAP Analysis, FEED, Budgetary Pricing & EPC Tendering	Completed
19	Oiltanking Odfjell Terminals Oman	Fire Protection System Improvement Program	Sohar, Oman	Fire Protection System Improvement Program	FEED, Detailed Engineering Design, Budgetary Pricing & EPC Tendering	Completed
20	Oiltanking Odfjell Terminals Oman	Terminal Optimization Program (TOP)	Sohar, Oman	Studying, debottlenecking and Optimization of OOTO's 1.4m ³ Terminal in Sohar.	FEED, Detailed Design, Budgetary Pricing & EPC Tendering	Completed
21	Port of Fujairah	Berths 3A and 3B	Fujairah, UAE	Engineering, Design, EPC and Project Management Consultancy Services for Berths 3A and 3B	PMC	Completed
22	Star Energy Oiltanking	GRC Tie In Project	JAFZA UAE	GRC Jetty line Interconnection	Engineering Services	Completed
23	Nimex Petroleum Group	Nimoiil Terminal Fujairah	Fujairah, UAE	Storage Tank Terminal with 600,000 m ³ of capacity for storage of white and black petroleum products and connection to jetties.	FEED	Completed
24	Fujairah Oil Terminal FZC	Project Black and White	Fujairah, UAE	Pipeline Modifications for White and Black Products	PMC	Completed
25	Brooge Petroleum & Gas Investment Company	BGPIC Oil Terminal- Phase I	Fujairah, UAE	Storage Tank Terminal with 800,000 m ³ of capacity for storage of white and black petroleum products and connection to jetties.	FEED, EPC Tendering, & PMC	Completed
26	Gulf Petrochem	Gulf Petrochem Storage Terminal - Hamriyah	Sharjah, UAE	Storage Tank Terminal with 200,000 m ³ of capacity for storage of white and black petroleum products and connection to jetties.	Residual Engineering, EPC Tendering and Project Management Support Services, HAZOP	Completed
27	Middle East Fuel for Distribution	MEFD Storage Terminal	Fujairah, UAE	Storage Tank Terminal with 600,000 m ³ of capacity for storage of white and black petroleum products and connection to jetties.	FEED	Completed
28	Oiltanking Odfjell Terminals	Feedstock Bulk Storage and Process Unit Integration facility at OOTO Terminal	Sohar, Oman	Feedstock Bulk Storage and Process Unit Integration facility at OOTO Terminal	FEED and Budgetary Pricing, HAZOP	Completed
29	Oiltanking Odfjell Terminals	Process Unit Integration for Storage and Handling of Crude Oil at OOTO Terminal	Sohar, Oman	Process Unit Integration for Storage and Handling of Crude Oil at OOTO Terminal	Conceptual Engineering and Budgetary Pricing	Completed
30	Abu Dhabi National Chemicals Company (Chemaweya)	Tankiyaat Terminal Utilization Simulation Study	Abu Dhabi	Terminal Utilization Simulation Study	Special Engineering Services	Completed

Sl. No.	Clients	Project Title	Location	Project Summary	Service(s) offered by MUC	Status
31	Indorama	Indorama Urea Terminal	Nigeria	Port Terminal Project – Nigeria	PMC	Completed
32	Zahara Corporation FZC	Zahara Oil Terminal	Fujairah, UAE	Storage Tank Terminal with 74,000 m ³ of capacity for storage of white and black petroleum products and connection to jetties.	FEED	Completed
33	Zahara Grease & Lubricants FZC	Zahara Lubricant and Manufacturing Plant	Sharjah, UAE	Grease & Lubricant Manufacturing Plant	FEED	Completed
34	VAMCo	VLCC Access Manifold (VAM)	Fujairah, UAE	Common Independent Crude Manifold and Connectivity to VLCC berths for users in the Fujairah Oil Industrial Zone	FEED	Completed
35	Port of Fujairah	Firewater supply for Fujairah Oil Industrial Zone	Fujairah, UAE	Common Firewater Network for all the Oil Terminal users in Fujairah Oil Industrial Zone	FEED	Completed
36	Sharafco	Sharafco Oil Terminal	Sharjah, UAE	Storage Tank Terminal with 79,000 m ³ of capacity for storage of white and black petroleum products and connection to jetties.	PMC	Completed
37	Socar	Oil Storage Terminal	Republic of Benin	Technical and Environmental Due Diligence on an existing storage terminal in Republic of Benin	Technical and Environmental Due Diligence	Completed
38	Kismat Petroleum FZC	Kismat Petroleum Terminal Phase 1	Sharjah UAE	Storage Tank Terminal with 87,000 m ³ of capacity for storage of white and black petroleum products and jetty pipeline Phase I.	FEED, EPC Tendering	Completed
39	ECOMAR Energy Solutions FZC	Petroleum Regeneration and Processing Facility	Fujairah, UAE	Petroleum Regeneration and Processing Facility	FEED, EIA	Completed 2020
40	ECOMAR Energy Solutions FZC	Petroleum Regeneration and Processing Facility	Fujairah, UAE	Petroleum Regeneration and Processing Facility	PMC	Completed 2020
41	Middle East Tanking Solutions Fujairah FZC	Middle East Tanking Solutions (METS)	Fujairah, UAE	Storage Tank Terminal with 177,000 m ³ of capacity for the storage of petrochemicals and a jetty pipeline.	FEED, EPC Tendering EIA	Completed
42	Port of Fujairah	Oil Terminal No. 2 (OT2) Phase II 9 and Matrix Manifold 2 (MM2)	Fujairah, UAE	Topside facilities for the Oil Terminal No. 2 (OT2) phase II including berths 8 & 9 and development of Matrix Manifold System 2	FEED, EPC Tendering PMC	Completed
43	IL & FS Prime Terminal Fujairah (IPTF)	IL & FS Prime Tank Terminal (IPTT) – Phase 1	Fujairah UAE	Storage Tank Terminal with 333,000 m ³ of capacity for the storage of white & black petroleum and a jetty pipeline. Phase I	FEED, EPC Tendering EIA, HAZOP PMC	Completed
44	IL & FS Prime Terminal Fujairah (IPTF)	IL & FS Prime Tank Terminal (IPTT) – Phase 2	Fujairah UAE	Storage Tank Terminal with 299,000 m ³ of capacity for the storage of white & black petroleum and a jetty pipeline. Phase II	FEED, EPC Tendering EIA, HAZOP, PMC	Completed 2020
45	Petrofac International (UAE)	LPG Terminal Loading Arms	Hamriyah FZ, Sharjah, UAE	Condition survey of concrete slab and foundation piles for the replacement of loading arms at SHALCO LPG Terminal	Site Survey, Material Sampling & Testing, Structural Assessment Calc.	Completed
46	Fujairah Oil Terminal FZC	Fujairah Oil Terminal (FOT)	Fujairah UAE	1.1 million m ³ Petroleum Product Tank Terminal	PMC EIA	Completed
47	Socar Aurora Fujairah Terminal FZE (Now GTI)	Socar Aurora Fujairah Terminal (SAFT)	Fujairah UAE	640,000 m ³ Petroleum Products Tank Terminal Phases I, II & III	FEED, EPC Tendering, PMC, HAZOP, EIA	Completed
48	Emirates SembCorp	Feasibility Study for SPM Connection to F1 in Qidfa, Fujairah, U.A.E	Fujairah UAE	Feasibility Study for SPM Connection to F1 in Qidfa, Fujairah, U.A.E.	Feasibility Study	Completed
49	EPPCO	Basic Fire Fighting System for EPPCO Fujairah Terminal	Fujairah UAE	Basic Fire Fighting System for EPPCO Fujairah Terminal	Basic Engineering	Completed
50	VTTI	Relocation of Seal Oil Tanks	Fujairah UAE	Design and Engineering for Seal Oil Tank at VTTI, Fujairah	Detailed Engineering	Completed
51	China Petroleum & Engineering Construction Corporation	Design Review of Fire Fighting System in MOT for Civil Defense Approval	Fujairah UAE	Design Review of Fire Fighting System in MOT for Civil Defense Approval	Design Review	Completed
52	OMV	Detailed Engineering Design for Gas Line	Fujairah UAE	Detailed Engineering and Design for the Pipe Supports, Foundations and Anchor Bolts for the OMV Yemen FGS Project	Detailed Engineering	Completed
53	EUREX Tank Terminal – Ingenieurbüro R. Großmann	Preliminary layout Analysis	Fujairah UAE	319,000 m ³ Crude Oil Storage Tank Terminal	Layout Analysis – (HAZID)	Completed
54	Sharjah Electricity & Water Authority (SEWA)	Project Management Consultancy (PMC) Services for Maintenance of HFO Storage Tank No. 8 Project at Layyah Power Station	Sharjah UAE	Replacement of Bottom Plate & General Maintenance of a 28,000 m ³ Heavy Fuel Oil Storage Tank at Layyah Power Station	PMC	Completed
55	Port of Fujairah	Pipe Rack Connecting all Users to Oil Terminal No. 2 (OT2) Matrix Manifold	Fujairah UAE	Pipe Rack Connecting all Users to Oil Terminal No. 2 (OT2) Matrix Manifold	Design Review	Completed
56	Port of Fujairah	Connectivity of Oil Terminal No. 2 (OT2) with Matrix Manifold	Fujairah UAE	Connectivity of Berths 4, 5, 6 & 7 from Oil Terminal No. 2 (OT2) with Berths of Oil Terminal No. 1 (OT1) via Matrix Manifold	PMC	Completed
57	Van Oord Middle East Ltd	ADCOP – Offshore Pipeline & Facility	Fujairah UAE	Design Review of telecom repeater Pole	Design Review	Completed
58	Port of Fujairah	Oil Terminal No. 2 (OT2) and Matrix Manifold	Fujairah UAE	Topside facilities for the Oil Terminal No. 2 (OT2) Berths 4, 5, 6 & 7 and development of Matrix Manifold System 1.	PMC	Completed
59	Fujairah Asia Power Company (FAPCO)	Single Point Mooring (SPM) Offshore Piping including Pigging Facility	Fujairah UAE	Single Point Mooring (SPM) Offshore Piping including Pigging Facility	Pre-Bid Engineering	Completed
60	Vopak-Horizon Fujairah Limited (VHFL)	Oil Terminal Phase VI Expansion Offshore Piping	Fujairah UAE	Oil Terminal Phase VI Expansion Offshore Piping	DED Stress Analysis (Through Athena S.A.)	Completed
61	Port Of Fujairah (POF)	New Fire Fighting System for Oil Terminal No. 2 (OT2) at Port of Fujairah	Fujairah UAE	New Fire Fighting System for Oil Terminal No. 2 (OT2) at Port of Fujairah	DED Surge Analysis Hydraulic Calculations	Completed
62	SAFT (Now GTI)	Stress Analysis Report, Design Calculation & Pipe Supports SAFT Phase-II	Fujairah UAE	Stress Analysis Report, Design Calculation & Pipe Supports SAFT Phase-II	Stress Analysis	Completed
63	SAFT (Now GTI)	Stress Analysis Report, Design Calculation & Pipe Supports SAFT Phase-I	Fujairah UAE	Stress Analysis Report, Design Calculation & Pipe Supports SAFT Phase-I	Stress Analysis	Completed
64	Gulf Petrochem	HAZOP Study Workshop for all PIDs (Terminals, MM & Utilities)	Fujairah UAE	HAZOP Study Workshop for all PIDs (Terminals, MM & Utilities)	HAZOP Study	Completed
65	Dubai Aluminum Company Ltd. (DUBAL)	Surge Analysis and Hydraulic Analysis of Water Network	Dubai UAE	Surge Analysis and Hydraulic Analysis of Water Network	Surge Analysis Hydraulic Calculation	Completed
66	Port of Fujairah	Northern Port Expansion Master Plan	Fujairah UAE	Northern Port Expansion Master Plan	Master Plan FEED DED	Completed