



SAFF

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SAFF





South Pars Oil Layer

SAFF Group

SAFF Group companies comprises of twenty-six subsidiaries with different field of activities. These companies either provide service or hold the ownership of different plants:

Services: Oil and Gas Management, Engineering, Procurement and Construction, Marine Logistics and Installation, Onshore Construction, Manufacturing of Oil and Gas Fixed Equipment, Energy Insurance, Civil Construction, Procurement, Drilling, Ship Design and Manufacturing, Investment in Petrochemical Industry, etc.

Ownership: GTL Plant, Sodium Methoxide(SMO) Plant, Micro Algae Bio-refinery, High Grade Bitumen Plant, Drag Reducing Agent(DRA) Plant, catalysts Plant and Pharmaceutical Company. SAFF Co. which is the parent company of this group directly or indirectly owns %30 to %100 of the shares of SAFF Group's companies and this entitles SAFF, the indirect ownership of Marine Fleet and eight sites across Iran. The following chart shows the companies under SAFF group sorted based on their percentage of ownership by SAFF.



Company Certificates



National PC Contractor Certificate
Grade 1



National EPC Contractor Certificate
Grade 1 (Undr revalidation)



National Consultancy Certificate
Grade 1



Service Provider, Patronage, Technical & Engineering
Accreditation Certificate



Safe Contractor Accreditation Certificate
(Ministry of Cooperatives, Labour and Social Welfare)



IMI-EPC Rating Certificate
(Industrial Management Institute)



SAFF Co.

As a private joint stock company, SAFF was established in 1993. SAFF's initial scope was to provide EPC contractor services to offshore oil and gas industry in the Persian Gulf and the Caspian sea. Over the past 27 years, SAFF has extended its scope of services to include onshore oil and gas sector while reinforcing its capabilities in offshore industry to become one of the top four private EPC contractors in Iran. Today, SAFF Offshore a wide range of upstream oil and gas services from engineering to commissioning and operation.

Next to its role as an EPC contractor, SAFF is engaged in project development by conducting feasibility studies and investment in knowledge-based and other profitable projects in different industries including Agricultural, Food and Pharmaceuticals, Bitumen, Biofuel, Chemical and Shipbuilding.

The most important national certificates for Iranian contractor companies are the certificates that are awarded by Iran's National Management and Planning Organization (President's Office). SAFF is proud to receive the first grade certificates as a consultant, EP and EPC contractor in oil and gas industry.

SAFF Co. is one of only Three Companies which has been evaluated for Marine Structure category in Approved Contractor List (ACL) of National Petrochemical Company of Iran(NPC).

Management Sustainability

Since its establishment in 1993, SAFF's senior management has remained unchanged and all of the former managing directors are now members of the board of the SAFF Group's companies. Such sustainability in the management is quite unique in Iranian companies at this size in Oil and Gas industry.

VISION

To become the most reliable and credited Company amongst companies who offer GC and EPC services in oil, gas and petrochemical industries in both offshore and onshore fields, with highest quality and best prices to national and international customers.

MISSION

To provide project services as safe EPC activities in offshore and onshore fields, in the fastest time, with highest level of quality, best prices and observance of environmental principles in order to create benefit for customers, employees, shareholders and all beneficiaries of the offered services with emphasizing on advanced engineering technologies and implementation of value engineering. SAFF Company has put value engineering and optimization first in performing its projects in tendering and the implementation stages and continuously emphasizes on using local and national work force and facilities.

VALUES

At SAFF we are dedicated to quality, every task is assessed based on highest quality assurance procedures to meet and exceed customer expectations.

● INTEGRITY

Trust is one of the core values of our team ; we believe that no business interaction should be practiced unless it leads to a win - win outcome.

● PARTNERSHIP

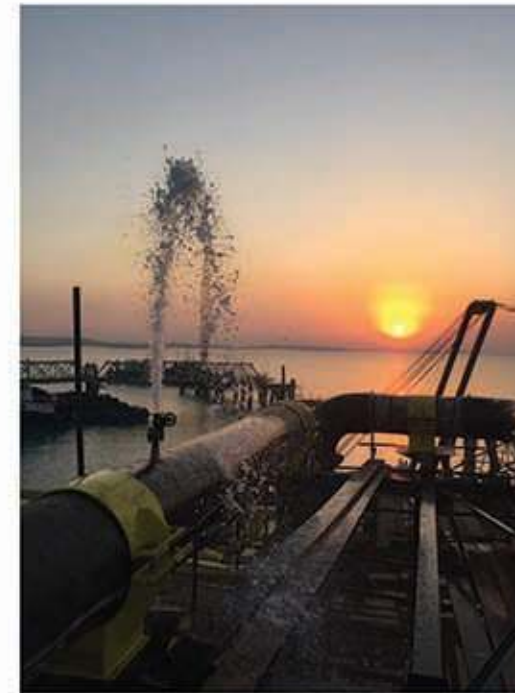
We believe that our clients are part of our team; we involve our stakeholders in every step of the way to ensure that their expectations are being met.

● CHANGE

For us, change is the process of getting better; we ensure to assess the outputs of every process to make sure that continuous improvement is an essential part of our day to day activities.

● RESOLUTION

At SAFF we have a firm belief that "We Can"; our manpower is dedicated to localize the expertise and technology to enable us to become a "Leading National Economic Entity".



HARA Qeshm



Kharg NGL Plant



South Pars Phase 15



Hara Qeshm Jetty



Salman Oil & Gas Field

HSE & Quality Certificates

QUALITY

SAFF is committed to provide the best Quality Product to its customers using latest standards. We aspire to lead industry best practice in all of our operations.

HEALTH & SAFETY

SAFF is committed to establish & maintain healthy and safe work environment for employees & ensure the safety of others affected by our operations.

ENVIRONMENT

SAFF is committed to conduct its business in an environmentally responsible manner. We accept that we have responsibility for the environment and sustainability, which should be influenced, incorporated and promoted within our operations and the services we provide.



SAFF is one of the first companies in this industry to receive the certificate for quality management system (ISO9001:2015) / (ISO/TS 29001: 2010 for oil and gas) requirement for environmental management (EMS ISO 14001:2015) and for health & safety management (SMS ISO 45001:2018).



Offshore EPC Projects

Platforms: Jacket, Topside, Piles, Conductor, Bridge

- Living Quarters
- Process Unit
- Flare
- Tripod
- SPM and PLEM
- Marine Pipeline
- Jack Up



Onshore EPC Projects

- Oil, Gas and Petrochemical Plants
- Seawater Intake
- Pipelines
- Port, Jetty, Wharf and Breakwater
- Shore Protection
- Land Reclamation
- Civil Works



Hook Up, Commissioning, Operation & Maintenance

- Offshore Production Platforms
- Onshore Production Units
- Offshore Drilling Units
- Onshore Drilling units
- Underwater Pipeline
- Refineries
- Petrochemical Plants



Ship Building

- Barges
- Pipe/Cable Laying Vessel
- PSV
- AHTS



Investments

- NGL Plants
- Chemical Plants (Sodium Methoxide)
- Extra Heavy Crude Oil Refinery (Bitumen)
- Petrochemical Company (Catalysts)
- Residential Complex Construction
- Commercialization of Knowledge Based Projects
- Microalgae Bio-Refinery

SAFF Yard



Bandar Abbas Yard

SAFF's fabrication yard is located in Persian Gulf Shipbuilding Special Economic Zone near Bandar Abbas where goods may be landed, stored, handled, manufactured, or reconfigured, and re-exported under relaxed customs duty regulations. This yard has an area of 35 hectares and annual manufacturing capacity of 45K Tons which employs 1200 experienced workers which can be increased to 1,800 people if required. This yard has a 250m jetty with access to the shipbuilding complex stilling basin.

Maximum handling dimension:

Shop	80x30x12m 100 tons
Yard	100 x 40 x 40 m 600 tons

Skid Way Capacity and Dimensions:

1. Main Skid Way
(2,500 tons. Span Range Max.28 m)
2. 6 Removable Skid Beams (4,000 tons)
3. Quay 'Wall No.1 Skidway (101000 tons)



Top Projects

South Pars Oil Layer

Scope of this EPCC project included the Offshore Wellhead Platform (890T) and its jacket (3200 T) that was signed between PEDCO and SAFF on 12th of Dec 2006. In the first phase of this project 7 wells will produce 35,000 bpd of oil. The pre-commissioning hookup for this project was done on 1st of Jun 2015. SAFF has also been in charge of the commissioning phase of this project. South Pars Oil Layer is using a FPSO for the production. The FPSO arrived in the location and the production was started in Mar 2017.



Location	South Pars Gas Field
Client	PEDCO
Completion Date	Jul. 2015
Scope	Offshore Wellhead Platform and Related Jacket (EPCC)



South Pars Phase 15

Scope of this EPCI project included Offshore Platforms (2813 tons), jackets (5106 tons), bridges and are tower (388 tons) and the contract was signed between POGC and SAFF on 25th of Jun 2006. In this project 12 wells will produce 25 million m3 of gas, 40,000 bpd of condensate and 200 MT/d of Sulphur and other products such as LPG. SAFF localized the commissioning expertise and succeeded to finish the commissioning on phase '15 platform on 11th of Nov 2014 without depending on any foreign expert. After the commissioning phase, the client requested SAFF to take charge of the production phase as well and the production was done by SAFF experts for 8 months. Finally, the platform was handed over to the client on 26th of Sep 2015.



Location	South Pars Phase 15
Client	POGC
Completion Date	Nov. 2014
Scope	EPC package for SPIS Wellhead Platforms, Production Facilities and Relief Platforms, each Connected by Bridges to the associated Wellhead Platform.



South Pars Phase 19 Sea Water Intake

Scope of this EPCC project included the 20,000 m³/hr sea water intake in south pars Gas field phase 19 and civil site work in sea water intake area awarded to SAFF on 4th of Jul 2011 by POGC. The concrete volume for this project was 7000 m³ and the reinforcement weight was 850 T. The scope also included 10x 2 ton Gantry Crane, two primary screens, two secondary screens, five stop legs and other relevant facilities. This project was delivered in March 2015.

Location	South Pars Phase 19
Client	POGC-Petro Pars Iran
Completion Date	Mar.2013
Scope	20,000 m ³ /hr sea water intake in south pars gas field phase 19 and civil site work in sea water intake area (EPCC)



Top Projects

Salman Offshore Facilities

The EPC I and EPC II projects included five jackets and two topsides for PEDCO and the first contract was signed on 15th Jun. 2002. These projects were defined to increase the capacity of existing facilities to 220,000 bpd from 50 wells. EPC I (11 months) included 2 wellhead jackets (2500T) and EPC II (24 months) included 3 jackets (2660 T), 4 topsides (5195 T), FPP tower and two bridges (301T). The EPC I was delivered in Mar. 2005 and EPC II was delivered in Sep 2009.

Location
Client
Completion Date
Scope

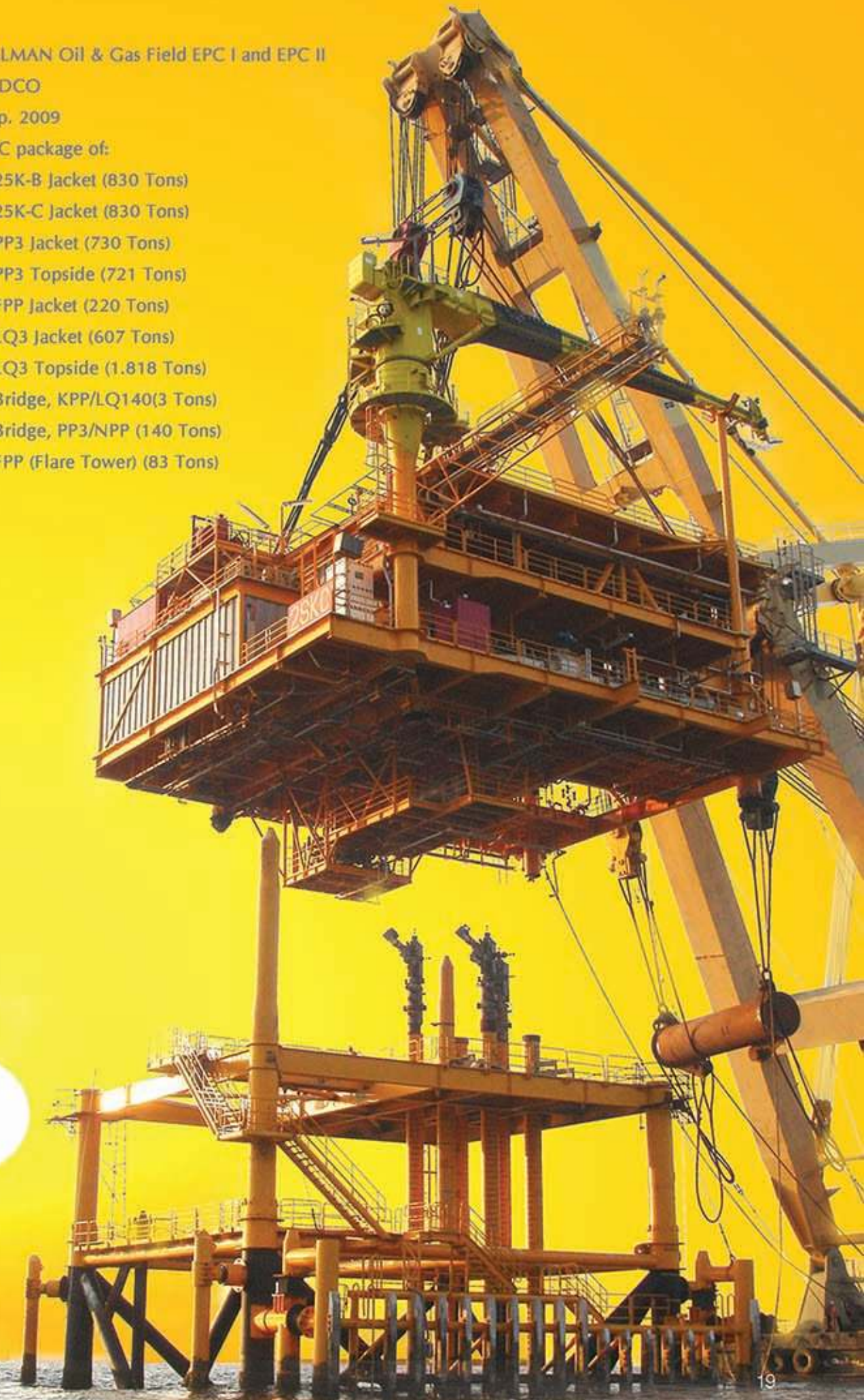
SALMAN Oil & Gas Field EPC I and EPC II

PEDCO

Sep. 2009

EPC package of:

- 25K-B Jacket (830 Tons)
- 25K-C Jacket (830 Tons)
- PP3 Jacket (730 Tons)
- PP3 Topside (721 Tons)
- FPP Jacket (220 Tons)
- LQ3 Jacket (607 Tons)
- LQ3 Topside (1,818 Tons)
- Bridge, KPP/LQ140 (3 Tons)
- Bridge, PP3/NPP (140 Tons)
- FPP (Flare Tower) (83 Tons)



Current Projects



Dimensions	Length: 32 M, Width: 12.4 M, Draft: 5.6 M
Ahead Bollard Pull	80 Ton
Astern Bollard Pull	70-65 Ton
Speed	12.5 Knot
Main Engines Power	3200*2 HP Azimuth Stern Driven Type
Fire Fighting Type	FI-FI II
Gross Tonnage	Under 500 Ton
Crew	12 Persons

Tug Boat Construction

SAFF and IOTC signed contract for construction of two firefighting 6400HP Azimuth Stern Driven TUG Boats on 16th of Feb 2015. This contract is for a newly Built Azimuth Stern Driven type classified as tankerhandling and firefighting tug highly maneuverable and with high performance design to work in PERSIAN GULF region and Suitable for service on open sea. The Tugs are high-performance ASD in harbor and coastal water for berthing and un-berthing of shore towing, fire fighting operations and Push/Pull operation. Each tug will equipped with 2x3200 BHP engines with Z-Peller °360 units fixed pitch propeller nozzles, firefighting system class FIFI II and shall be fully outfitted for safe and efficient performance. The basic design of these tug boats is done by the internationally recognized Canadian Naval Architect Company, Robert Allen Ltd,



Current Projects

Construction of Inlet and Outfall Marine Pipeline for SAKO Desalination Plant

In Mar. 2016 SAFF was awarded the Construction of Inlet and Outfall Marine Pipeline for SAKO Desalination Plant and the contract was signed between SAFF and Asia Water Engineering Co. in April 2016. The project duration is 24 months.



Location	Bandar Abbas
Client	Asia Water Engineering Company
Scope	Dredging: 1.1 million m3 Excavation: 0.18 million m3 Fabrication: Welding of pipe strings (17 km) Installation: 6 inlet and 3 outfall pipes (Diameter 2.5m) Bedding: 0.12 million m3 Backfilling: 0.52 million m3



Current Projects

Kharg NGL Plant (SE3P):

The SUSTAINABLE ENVIRONMENTAL POLLUTION PREVENTION PLANT (SE3P) is to minimize aring of associated gas produced from Kharg island onshore and offshore oil fields. Currently these gases (with 7.5 million ton per year) are being flared and consequently have different pollutants emissions to the atmosphere approximately as following quantities which with development and operation of the SE3P, the pollutants emissions will be removed.



To optimize performance of the investment increase added value, SAFF has established four downstream companies which feed is product of SE3P plant. In order to prevent selling an unrefined gas products to spur interest, downstream companies which are fed from SE3P plant have been established.

Location	Kharg Island
Owner	Iranian Offshore Oil Company (IOOC)
Scope	leasing the existing facilities, investing and construction completion of remaining units for gas treatment and separation of Kharg and Bahregan associated gases and selling of heavier than Ethane (C3+) gases for 30 years.
Contract	BOT



Hara Qeshm Marine Oil Terminal

Procurement of equipment, supply of materials and
Installation of Mechanical Structures of Hara Qeshm
Marine Oil Terminal

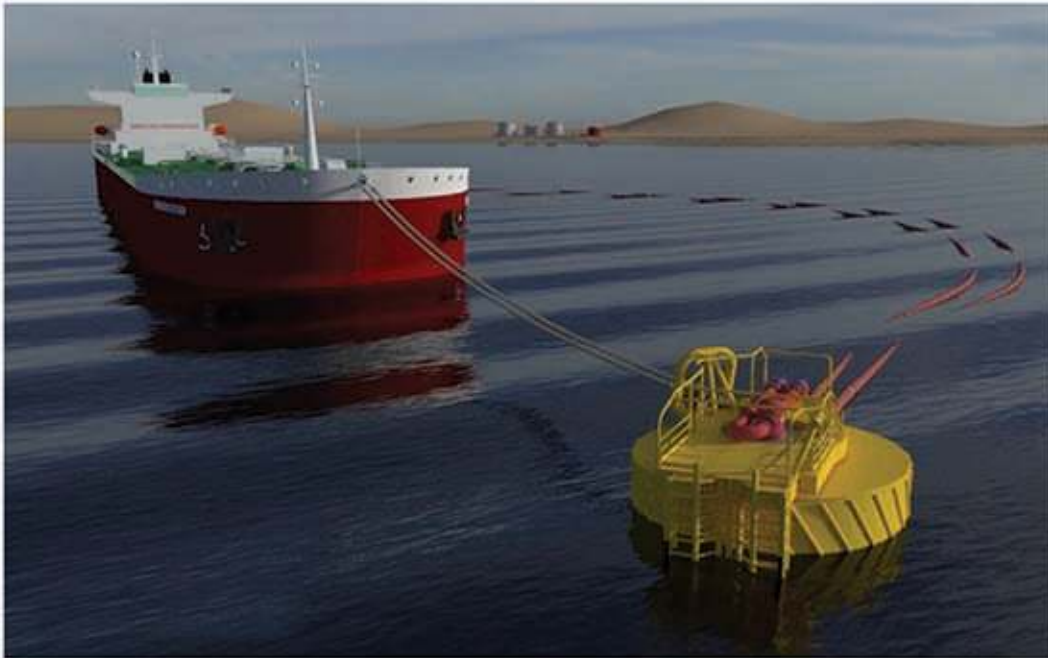


Location	Qeshm
Client	Hengam Qeshm Industrial Mobilization And Development Company
Scope	Procurement of equipment, supply of materials, Construction of : - Two Dolphin Docks With A Steel Pile Structure And Concrete Deck - Access Road Sweeping - Water intake

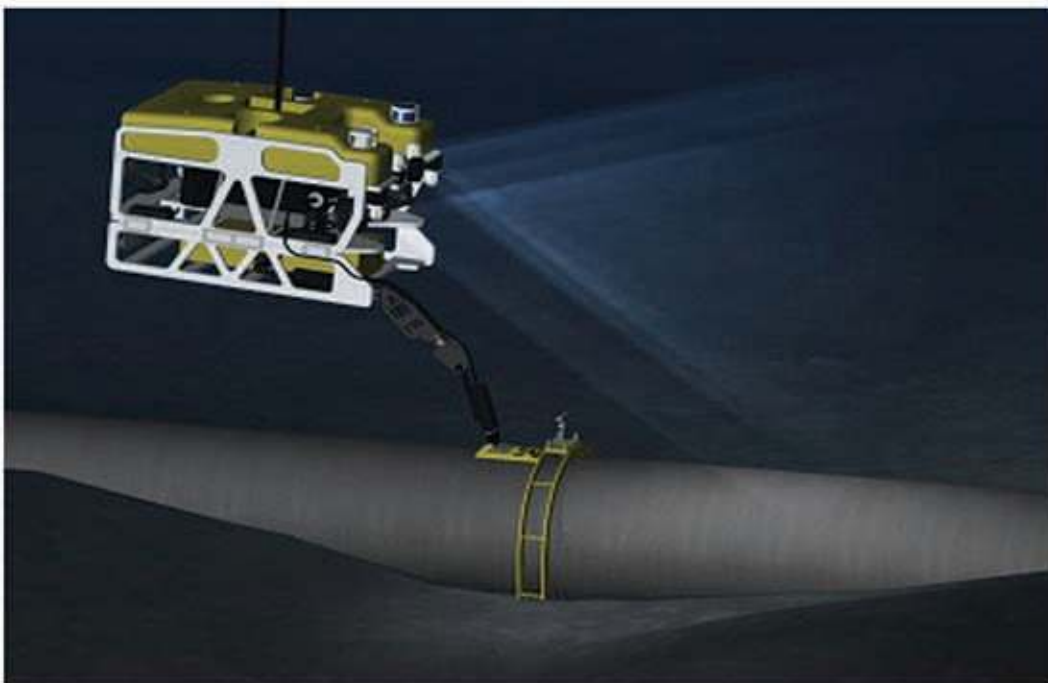
Current Projects

Methanol Export Terminal of Siraf Petrochemical Plant

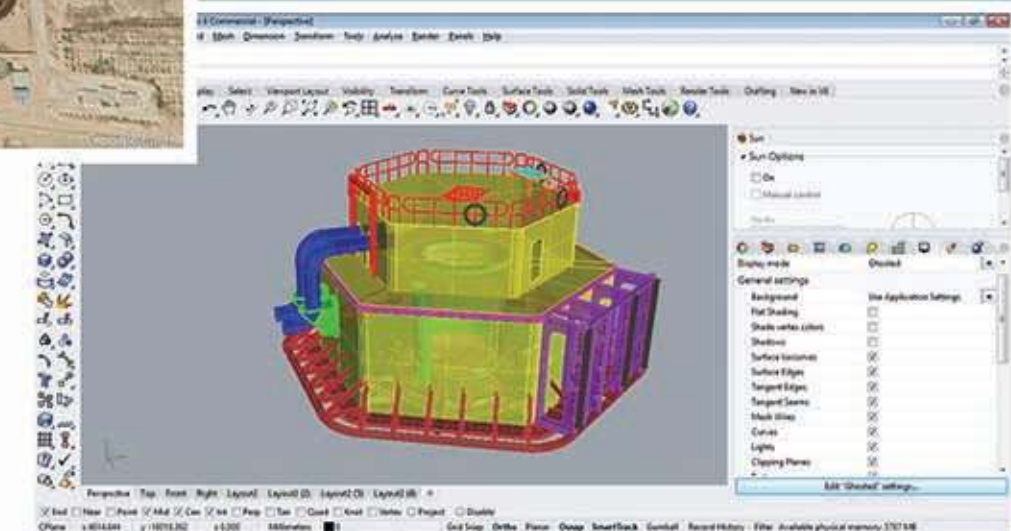
Part of Siraf Petrochemical Plant will include onshore pumps and metering facilities, offshore pipeline, SPM & PLEM and related equipments in Bushehr province-Dayer port and be implemented as and EPC project. The goal of the above-mentioned project is an ability to export one million, six hundred and fifty tons of methanol a year as an average amount via submarine pipeline and through SPM to Tanker. To make all of this happen it is necessary to consider all of needed structures, for instance pump station, metering system, pigging system, control room, industrial buildings and other auxiliary facilities at onshore section and Calm Bouy (SPM) and 6.4 KM 24" offshore pipeline.



(Photos are graphical)



Location	Dayyer Port
Owner	Siraf Energy Investment Company
Duration	20 Months
Scope	onshore pumps and metering facilities, offshore pipeline, SPM & PLEM and related equipments
Start Date	Feb 2022





Lian Chemical Development

Shimi Gostar Lian Co. (SGLCO) is one of the leading providers of Sodium Methylate in the Middle East with 20,000 metric tons per year production plant, which is located in Bushehr Special Economic Zone in southern Iran.

Sodium Methylate is a derivative of methanol which is a high consumption petrochemical substance in Iran and it is used as catalyst in both biofuel production process and pharmaceutical industries.

Key Factors:

- 1- Establishment Date: 2014
- 2- Location: Bushehr Special Economic Zone, Bushehr, Iran
- 3- Land Area: 1.5 Hectares
- 4- Feed: Methanol and Caustic Soda
- 5- Products: Sodium Methylate solution and powder
- 6- Production Capacity: 14,000 metric tons per year of Sodium Methylate solution
1,800 metric tons per year of Sodium Methylate powder
- 7- Applications: Catalyst in biodiesel production, detergents manufacturing, organic synthesis: agrochemicals, pharmaceutical, colorants and aroma chemicals.
- 8- Main Markets: China and India



SMO Plant - Boushehr Economic Zone



Darya Fan Qeshm (SADAF) Co.

Activities

- Pipe coating plant
- Submarine pipe & Cable laying
- Offshore Platform Installation
- Offshore / Harbors Heavy Lifting
- Load out, Sea Fastening & Marine Transportation
- Offshore Structures Repair & Maintenance
- Offshore Drilling Services
- Offshore Salvage
- Supply of Marine Equipment & vessels
- Marine Equipment Installation
- Gas Injection Projects
- SBM Maintenance & Installation
- Hydrography Services
- Turn Key Project Execution



SADAF 3000 Barge



REACTORSAZ

Activities

P&G Co. as a private holding company has been active since 1976 with 45 years experience in the oil & Gas, Petrochemical & Energy Industries, with vast range activities in the field of EPC Projects

A. Power Plant

1. Thermal Power plant
 - Gas Turbine Power plant
 - Combined Turbine Power plant
 - Steam Turbine Power plant
2. Hydro Power plant
3. Renewable Energy
 - Wind Power
 - Solar Power plant
 - CHP

B. Mine , Industries

1. Cement Factory
2. Steel Plant

C. Oil, Gas & Petrochemical Project

- Refinery (Oil/Gas/Bitumen)
- Storage & Distribution/Onshore Pipeline
- Desalination Plant/Sulfur Removal
- Compressor Station



D-Production activities

Deferent activities in Oil & Gas industries in Reactorsaz Ahwaz, Bushehr & Qeshm Island for Production of industrial equipment Comprising of :

1. Process towers
2. Process vessels for Oil & Gas
3. Cladding high pressure vessels
4. Chemical injection package
5. Separators
6. LNG liquid and natural Gas drums
7. Process vessels for petrochemical industries
8. Liquid Gas transport vessels
9. Hemispherical storage tanks
10. Floating and fixed roof storage tanks
11. Stainless steel (Pressure vessels...)
12. Heat Exchangers
13. Other Industrial Equipment



Subsidiaries



Our Vision

To introduce and implement the power of micro algae in our daily lives.

Our Objectives

Our primary objective is to produce microalgae-based material and ingredients in order to produce highly enriched products that can improve public health and fulfill essential dietary requirements for everyone. All objectives should be achieved while considering building a profitable enterprise with minimal or negative carbon footprint while causing the least disturbance to natural systems.

Our Products

Our wide range of bio-products are made from the raw materials (microalgae powder) produced in our facilities. The capacity of these facilities depends on both the type of algae and seasonal conditions which can be categorized between 400 to 800 kg of dried powder in each hectare. These products come into many forms including soft gels, tablets, healthy drinks, lotions, soaps and many more.



Day Pharmaceutical Company was established in Meibod, Yazd in line with nation-wide macro policies for employment, knowledge transfer, technology localization, domestic production support and development of value adding activities leading to medicine production self-sufficiency and new technologies. This Factory was constructed in a 24 hectares land in Hasan Abad, Meibod relying on the knowledge and expertise of more than 100 specialists, physicians and pharmacists who are all active within the province. Country's and regional demand along with general requirements for chemical and biological medicinal products has been another major factor to enhance this business and run the factory. We are licensed for production of variety of special drugs, injections, liquid vials, powder vials, pills and capsules, caplets, softgels and combined drugs from the Ministry of Industry, Mine and Trade.

Our subsequent development phases will comprise of a Research and Development Center, Dental Cartridges, Softgels, Hard capsules, Caplets production lines and the ultimate target is to make this complex center as a pharmaceutical zone in the center of country.

Our Capabilities:

- Production of vitamins, minerals, cardiovascular, anticoagulant, anti-diabetic, anesthetic and biological drugs (Liquid Vial and PFS dosage forms).
- Under license production and contract manufacturing.

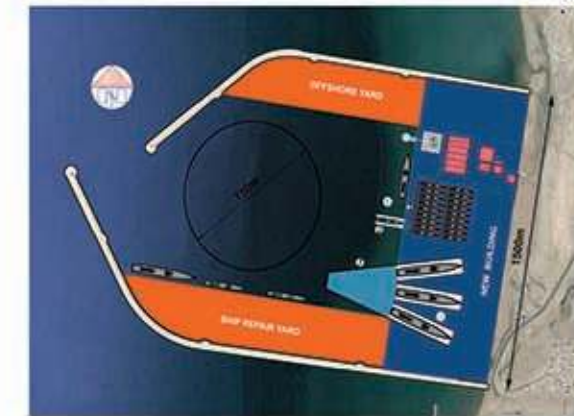




NAFT SAZEH QESHM Co. (NSQ) is a 100% Iranian-owned private, joint stock company lies on the Qeshm island and is run by the rules and regulations of Qeshm free zone authority, Iran. It was established in December 2000. NSQ is specialized in performing offshore and onshore EPCI projects in oil, gas, petrochemical and marine industries. NSQ's policy is to develop and maintain a prominent position as an integrated offshore and onshore EPCI company, competing in the regional and international markets by providing its clients with full service in the development of offshore and onshore oil and gas fields. The facilities at NSQ consist of a state-of-the art fabrication yard, pipe coating plant, pressure vessels shops, marine jetty and other utilities. The fabrication yard of NSQ which is located in south of Iran, Qeshm Free Zone island, 2 km east of Kaveh industrial city has capacity to produce 36,000 tonnes of steel structure and 12,000 tonnes of piping/ oil and gas equipment annually.



This company was first registered in 1998 as Chabahar ship scrapping and parts manufacturing Co. In 2016 SAFF Group acquired the ownership of this company and its name has been changed to "Darya Omid Chabahar". Main facility of this company is a ship yard which is located in Chabahr Bay. Currently a development project is defined which will include the following infrastructure upgrades to enable the shipyard to accommodate a ship with design dimensions of 250m x 44m x 21 m, a weight of 120,000 tons and a turning circle of 750m.





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