



Petro Barasun
INTERNATIONAL COMPANY

Introduction:

PBI is one of the leading integrated oil & gas companies. Our success is driven by our people and their commitment to get results the right way, by operating responsibilities, executing with excellence, applying innovating technologies and competing new opportunities for profitable growths. We trace our beginnings in 2008, when a group of experienced managers & engineers gathered to establish PETROBARASUN Company. We provide Engineering, Procurement, Construction, Commissioning services in oil & gas, petrochemical industries, power plants, renewable energies and energy efficiency solutions.



Vision:

PBI confirms its target of consolidating the global competition position achieved in the offshore & onshore business. We intend to Manage and execute all activities and operations related to exploration, development and production of oil and gas fields.

We leverage on the EPC(I) oriented business models, world-class technology, engineering and established relationships with Oil Majors & National Oil Companies. PBI men & women have a passion for challenges and continuous improvement.

Our Mission

Positioned at the heart of the shale play, all of long-term strategies and short-term actions are driven by a set of core values that start with superior customer service, innovation, quality and commitment.

Our Value

Our values are embedded in our culture as road map of our business conduct, reflecting our sense of duty and responsibility in upholding our commitment towards contributing to the well-being of peoples and nations wherever we operate.



Our Management:



M. Soltanpour

Chairman



A. Panahi

Vice Chairman



J. Nekoei

Member of the Board



A. Ghaemi

Managing Director

Our strategy confirms the priorities of profitable growing Oil & Gas products, recovering profitability in the downstream gas sector improves efficiency in downstreams, upstreams, oil, chemicals and services supporting business activities, retaining procurement, construction & commissioning activities.

Scope of works :

We also provide engineering solutions to civil projects, offshore projects, platforms, SBM, SPM, Jetty, Wharf and other marine facilities.

We expanded our activities fields in the following paths:

- Offshore facilities
- Petroleum Refineries
- Offshore pipeline and subsea cable
- Gas/LPG sweetening and dehydration
- Petrochemicals
- Design, Procurement, Transportation & Installation of SPM & SBM
- Jetties
- Onshore activities
- Power Plants
- Strengthening, modification and Repair of old and existing platform (SMR)
- Petroleum / NGL / Gas gathering facilities
- Oil terminals

Other Services

We also provide the following Services to our clients & customers:

- Feasibility Studies
- Criteria development
- Master Planning
- Process Selection
- Detail Design
- Project Management
- Planning and Scheduling
- Estimating and Cost Control
- Subcontract Administration
- Procurement Services
- Construction Supervision and Management
- Construction
- Commissioning and Start-up Services
- Installation
- Transportation

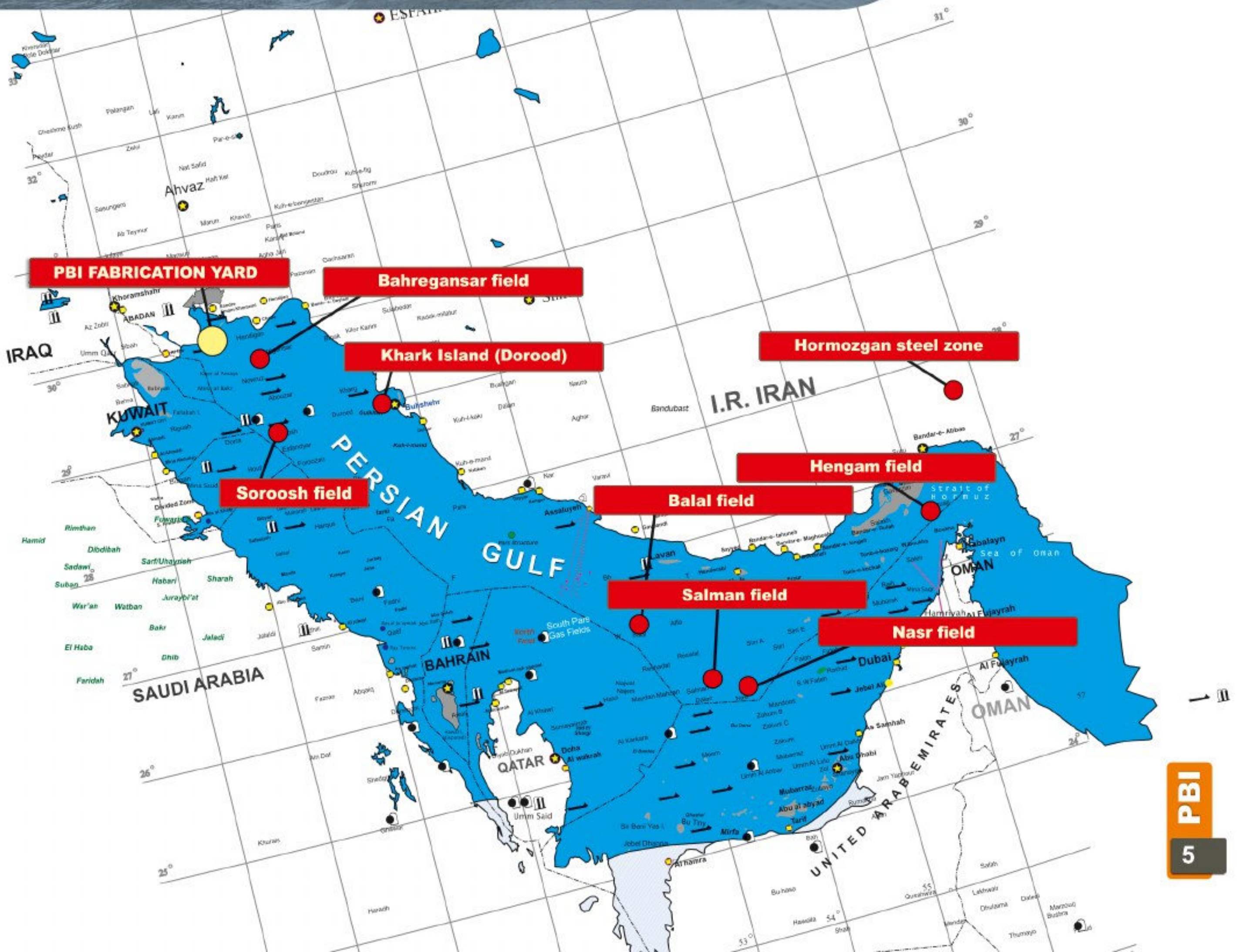


Main Projects:

Row	Project name	Type	Client Supervisor	Progress
1	Soroosh C9-C15 Platform Renovation Project	EPCI	IOOC/OceanUs GL	Completed
2	SWP2 platform	EPCI	IOOC GL	Completed
3	Nasr Production Platform Water & Oil Risers Replacement and Repair Project	EPCI	IOOC IOOC	Completed
4	Construction, Installation and changing of Boat Landings & Barge Bumpers of Balal Platform Project	EPCI	IOOC IOOC	Completed
5	Flexible Riser Pipe Installation to FSU	EPCI	IOOC/OceanUs OU	Completed
6	Salman Tripod extension of Piping and structure	EPCI	IOOC/OceanUs KR	Completed
7	Abouzar Sump Caisson Renovation	EPCI	IOOC IOOC	Completed
8	Hendijan / Bahregansar Piping & Test manifold Renovation	EPCI	IOOC/OceanUs IOOC	Completed
9	Bahregan Boat Landing Repair & Renovation	EPCI	IOOC IOOC	Completed
10	Salman & Bahregan Scada System	EPCI	IOOC/KTC IOOC	Completed
11	Abouzar 24" Onshore Pipeline	EPCI	IOOC/PEDCO PEDCO	Completed
12	Khark Terminal Maintenance and Repair	EPCI	IOOC/ISI IOOC	Completed
13	Installation of J-tubes, Risers and Associated Clamps and Riser Guards	EPCI	Solution Inc. (ISI) IOOC	Completed
14	Gas Transmission from Khark Factories to the Flare	EPCI	IOOC/Iran Padang IOOC	Completed
15	Fabrication of A20 & A21 Platforms	EPCI	IOOC/DRG/Jahan Pars IOOC	Completed
16	Completion of Transit Operations and Bulk Equipment, Wiring, Tubing in Dorood1, Aboozar, Dorood 2 Onshore Wells Platform and Dorood 3 Clusters	EPCI	KTC/IOOC IOOC	CURRENT
17	Construction and Installation of Dorood Boat Landings KA,KB,KD,KE	EPCI	IGC IOOC	Completed
18	Commissioning in Saba Foolad Khalije Fars	C	IRITEC	CURRENT



PBI PROJECTS AREA





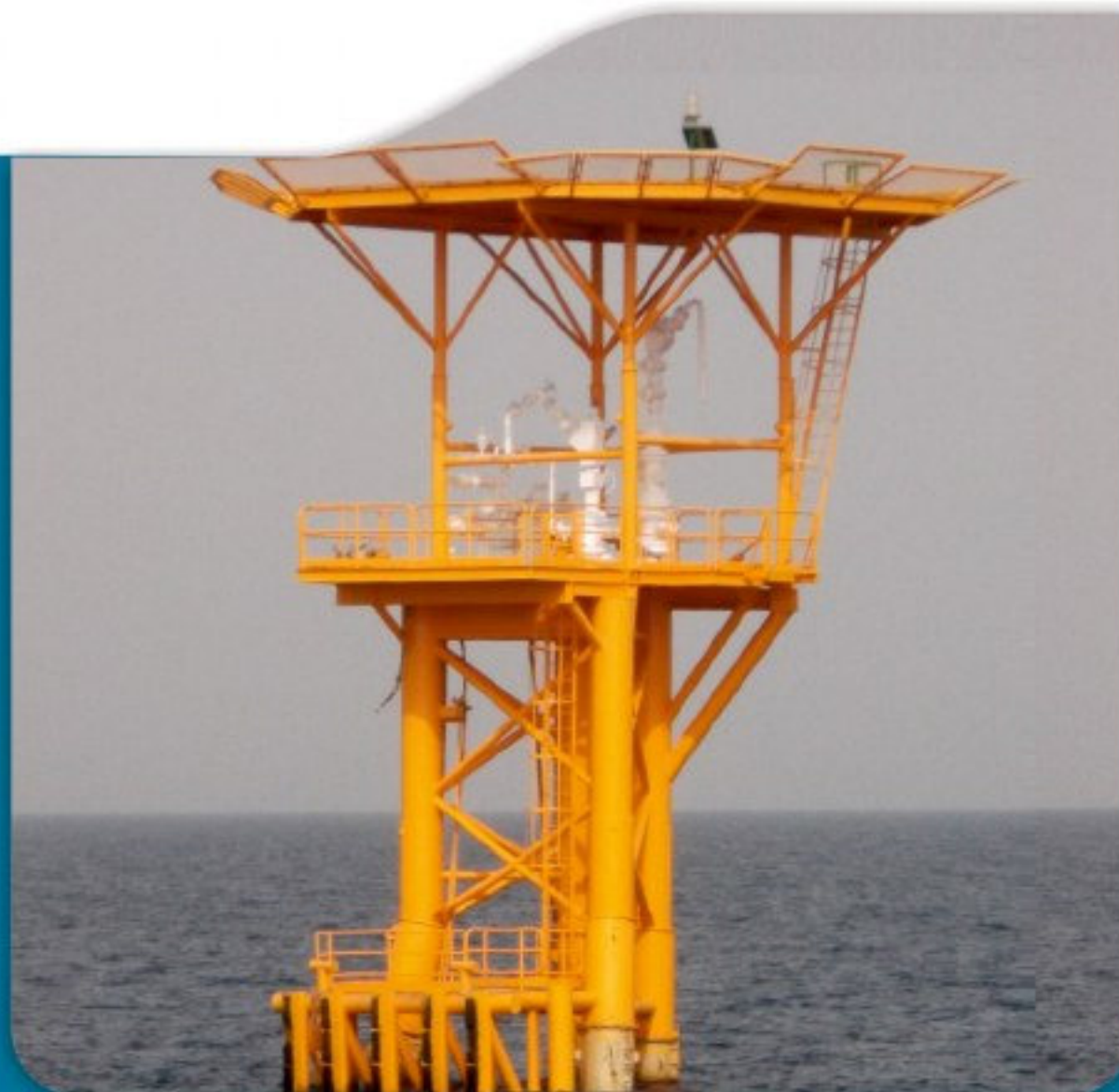
Soroosh C9-C15 Platform Renovation Project

C9 platform, a three legged drilling and wellhead platform is located in Bahregan sector of Persian Gulf in Iranian Offshore at a water depth of 42.6 m. This platform is owned and operated by Iranian Offshore Oil Company (IOOC).

Hereby PBI is involved in this project with OceanUs Korean Company to strengthen, modify and repair (SMR) Platform.

The platform is a wellhead jacket at present time. In order to continue production and allow further development, Iranian Offshore Oil Company (IOOC) intended to extend the life of the platform.

All engineering analysis and reports have been performed by PBI .



1

Swp2 platform

The Iranian Offshore Oil Company (IOOC) undertook a renovation program on boat-landings on SWP2 Platform in Soroosh Oilfield. Soroosh Oilfield is located in 120 Km Southwest of Bahregan area and 80 Km from Kharg Oilfields. Island positioned near Aboozar, Esfandiar, Norooz The mentioned renovation program is included but not limited to removing existing boat-landing Fenders and installing new boat-landing Fenders on SWP2 platform as well as sandblasting and painting of boat-landing structure.



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Nasr Production Platform water & Oil Risers Replacement & Repair Project

Iranian Offshore Oil Company (IOOC) intended to carry out further renovation of gas and water injection risers in NASR Production Platform.

The NASR field is located in 33 km south west of Siri Island in Iranian waters of the Persian Gulf in water depth of approximately 60 meters.

On the NASR Production Platform, inflow is separated (1st stage separation) (HP) installed design capacity 80,000 bopd/100,000 blpd) oil and gas are then sent to SIRI Island, through two separated sea lines, one 16" for the oil production and one 10" for the gas production.

IOOC intends to renew Risers and Supports and some parts of piping on Nasr Platform which PBI is involved as contractor to carry out this job.



3

Construction, Installation and changing of Boat Landings and Barge Bumpers

WHP and PLQ platform located in the Balal Oilfield in Persian Gulf in a water depth about ± 70 m.

This platform is owned and operated by Iranian Offshore Oil Company (IOOC).

Petro Barasun was nominated by IOOC for renovation of boat landing and barge bumpers.

One of the platforms (PLQ) needed for installing new boat landing and other platforms needed for adding extension and painting.

All boat landing fenders removed and replaced and 11 barge bumpers also have been renovated.

This project included Surface diving and painting works.



4

Flexible Riser Pipe Installation to FSU

Soroosh / Nowrooz integrated field development is located in Persian Gulf with Nowrooz satellite field located 50 km to the north of Soroosh.

The processed fluids are exported to FSU in 45m of water depth for storage off-take by shuttle tankers.

The present development phase comprises the export of crude from each fields to a single FSU (KHALIJ-E-FARS).

Petro Barasun International Company (PBI) was selected to execute the installation of flexible riser between subsea pipeline PLEM and FSU TURRET.

The client in this project is Iranian Offshore Oil Company (IOOC) and this project included of installation of four 9" oil FFRP export Riser to new FSU with about 200 M length with a related PLEM Pipeline End manifold.

5



Salman Tripod Deck

SALMAN FIELD is located in Lavan district of the Persian Gulf.

It is about 120 km of Lavan Island in the border of Iran & UAE. Iranian Offshore Oil Company (IOOC) have planned to develop the field, which will allow them to increase oil production.

In accordance with, the production and development forecast of Salman field, 16 wellhead platforms with all necessary structures are considered as follow: This project covers the following items:

1. New main decks with four legs.
2. New structural extensions in order to increase and improvement of operational spaces.
3. Jacket, deck and pipelines painting
4. Modification of piping
5. Renovation of boat landings.



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Abouzar Sump Caisson Renovation

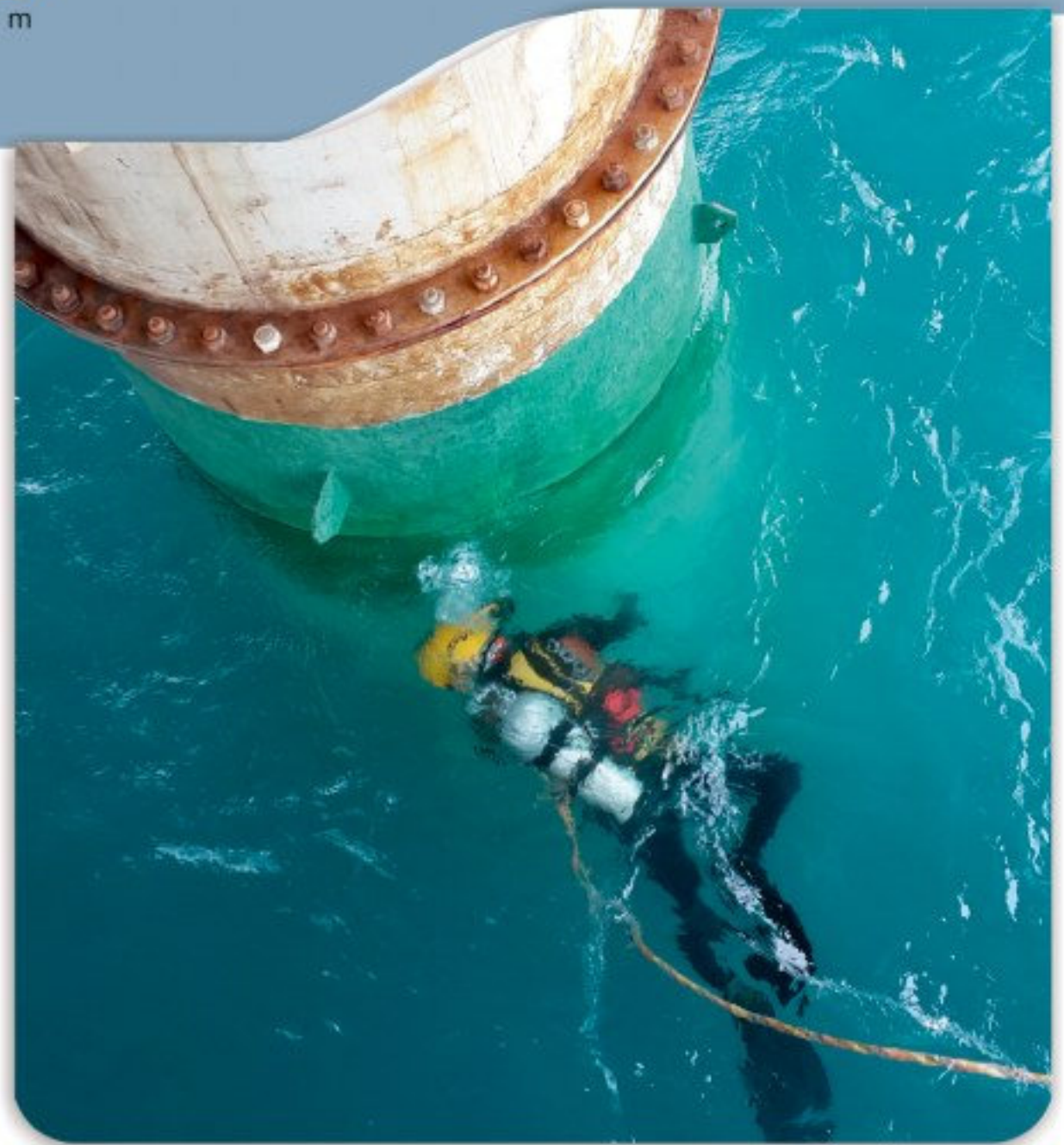
Iranian Offshore Oil Company (IOOC) is undertook a replace program on one of its existing Sump Caisson located in Abozar Oilfield.

The replacement program consists of removing the existing structure and replacing another Sump Caisson.

“AA” has a steel truss deck supported by a jacket structure.

“AA” is installed in Aboozar Oilfield approximately 75 Km South-West of Kharg Island in a water depth of around 37m.

This platform is owned and operated by Iranian Offshore Oil Company.



7

Hendijan / Bahregansar Piping & Test manifold Renovation

Hendijan and Bahregansar offshore Oilfields are located 15 kilometers from each other.

Both are approximately 15 kilometers from the shoreline in the northern part of Persian Gulf.

Iranian Offshore Oil Company (IOOC) had plan for development of field, which will increase oil production.

Petro Barasun Int, Co. provided pipe and structure engineering and construction services

This project covers the following items: Preparing instrument and piping equipment for Bahregansar and Hendijan
Installing the Riser connections to deck manifold at Bahregansar platform.

Fabrication and installation of production manifold and relative piping of Hendijan platform.

8



Bahregan Boat Landing Repair & Renovation

The Iranian Offshore Oil Company (IOOC) intended to further renovation program on 28 of its existing landings of platforms located in BAHREGAN Oilfield boat (Including Hendijan, Bahregansar, Nowrooz and Soroosh fields).

The upgrade program consisted of repair of 18 existing boat landings, replacement of 9 existing boat landings by new ones and adding 1 new boat landing for the mentioned platforms.

Petro Barasun International Company (PBI) as the EPCI Contractor of this project performed the structural design for new boat landings or renovation of existence boat landings, which will be planned to installation/repair of each mentioned boat landings.



9

Salman & Bahregan Scada System

27 Platforms in Salman, 6 Platforms in Bahregansar, 10 wells in Dorood 1, and 20 wells in Dorood 2&3 Oilfields. Almost activities were included but not limited to the items as below:

- Sollar pannel fabrication and installation
- Platform extension for equipment
- Power and telecom pannel installation
- Cable, cable tray, and tubing installation
- Testing and precommissioning



10

Abouzar 24" Onshore Pipe Line

Abouzar pipe line started from land fall in south of Khargh Island to Abouzar refinery.

This project was 24 inches and 2200 m at above ground bycoated pipes.

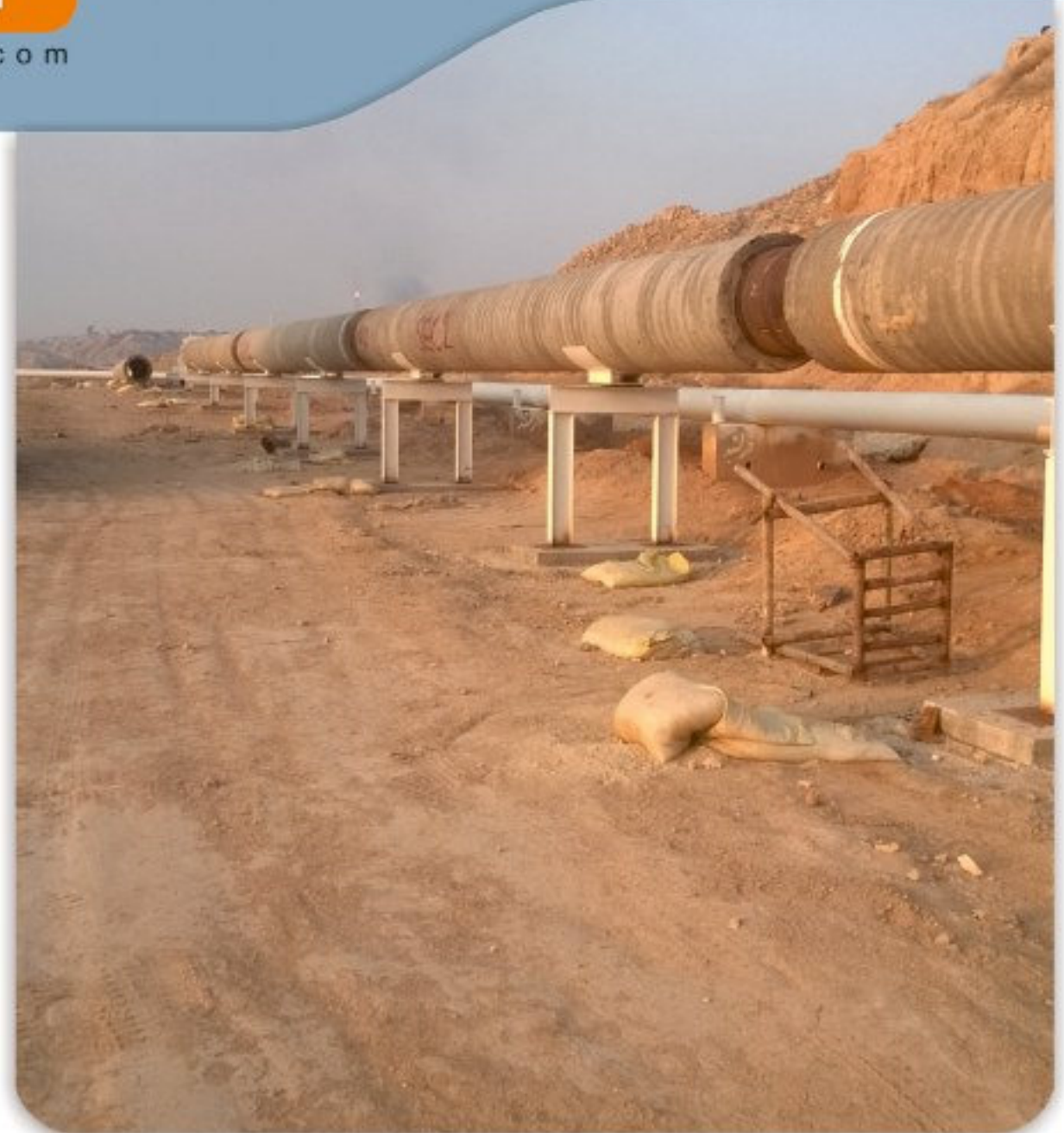
Pipe supports were fabricated in our yard in Khorramshahr and got transported to khargh.

This project was included civil, structure and coating activities.

Pre-commissioning included of hydro test and pipe cleaning was in scope of work.

Old 24 inches under ground Abouzar pipe line was out of use because of leakage in move weld joint, so the client decided decommissioning old pipe line and installing new pipe line in above ground.

The duration of project was 360 days that PetroBarasun Co. was able to finish it less than this time.



11

Khark Terminal Maintenance and Repair

Pbi was selected as main contractor for maintenance and repair of tank farm area in Khark Island by OTC.

The project involved several kinds of experts and special equipment.

Almost activities were painting and sand blasting.

The project included but not limited to mechanical work, structures and piping.

OTC as the main client allocated PBI to perform the following items:

- Steel structure
- Piping activities
- Hydro test and commissioning
- Sandblast and painting

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Installation of J-tubes, Risers and Associated Clamps and Riser Guards

PBI was allocated to transport and install 8 lines of risers and J-tubes in Hengam field.

Fabrication material was received in Sharjah port and after shipping, installed in Hengam field.

Riser guard was fabricated in Khoramshahr yard and transported to Hengam field for installation.

It is installed by crane barge 140 tones capacity.

DVS vessel and suitable crane barge was in site to install them properly.



13

Gas Transmission from Khark Factories to the Flare

This project was an onshore pipeline in khargh Island. This pipeline devoted to transmit gas leftovers from Khargh factory to the flares. Scope of works was Civil, Mechanical, Electrical, Piping and Structure in gas unit.

Because of delay to perform this project by previous companies, the client intended that total weld joints be tested by RT and repaired. The location of project was in dangerous zone and HSE requirements decreased project process.

The unit was live, so workers must have a close coincidence with other workers and client supervisors.

This Project didn't have any injure and incident at project duration because of observation of HSE requirements.

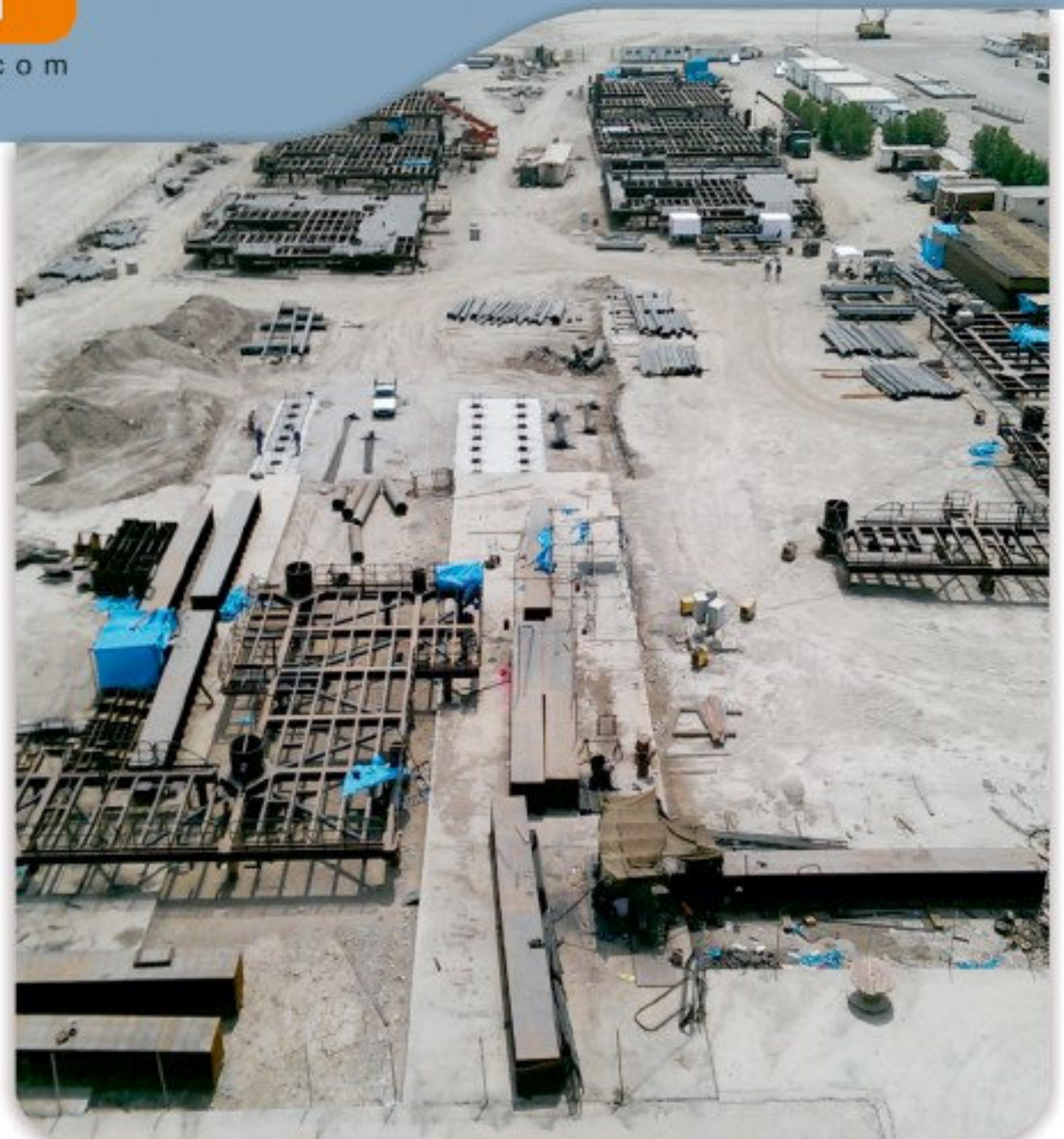
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Fabrication of A20 & A21 platforms (Aboozar field)

Two well head top sides from Aboozar field was allocated to PBI for fabricating and pre-commissioning.

Suitable yard was mobilized in Arvand free zone area alongside Arvand River by minimum and not limited to skid way, pilling, skid beam, skid shoe, and jetty.

Each platform consists of 5 floors and weight of each deck is 1250 tones in load out time.



15

Completion of Transit operations and Bulk Equipment, Wiring, Tubing in Dorood1, Aboozar, Dorrod 2 Onshore Wells Platform and Dorood 3 Clusters

Monitoring system is allocated in Dorood field in offshore and onshore in Khark Island.

Above system involves receiving information of well bay and relative piping and sending it to control room.

Meanwhile, CCTV was installed on every well.

All data included and not limited to pressure, temperature of leakage received then by two VAF antenna is transformed to main office.

The main client is IOOC and PBI as an installation and construction subcontractor managed and performed all related activities.

16

Construction and installation of Dorood boat landings KA, KB, KD, KE

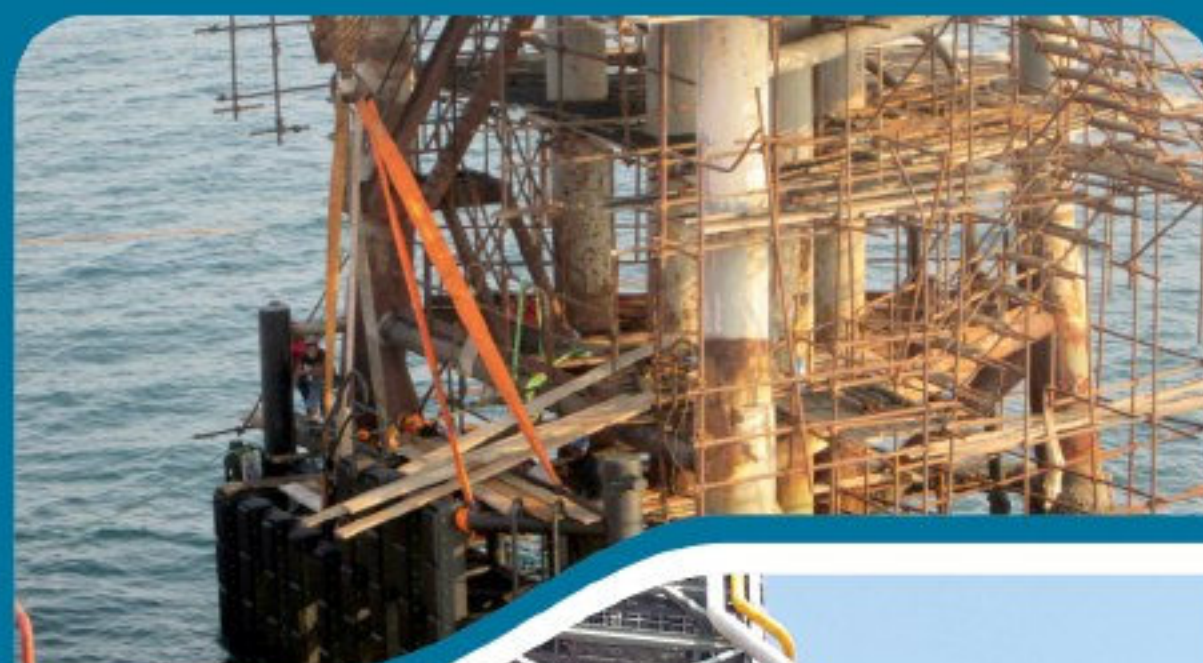
Four boat landings were awarded to PBI.

They are for Dorood field.

Each boat landings has 2 levels for low and tide and suitable for vessel up to 1500 tons.

Existing boat landings were completely damaged and out of order.

Pbi fabricated 4 boat landings in Khoramshahr and transported it by vessel to Dorood field.



HBI Specifications

Fe total: 92%
Fe metallic: 84.6%
Metallization: 92%

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Commissioning in Saba Foolad Khalije Fars

Saba Foolad plant is in Hormozgan steel zone. PBI is allocated with expert personnel and professional team for commissioning of site. Some punch lists should be modified by PBI within 6 months.

This is the first Hot Briquette Iron (HBI) which is convenient for export unit in Iran, located in the special economic zone of the Persian Gulf Mineral and Metal Industry of Bandar Abbas.

The capacity of the plant is to produce five million tons of steel sections in three stages, the first to produce sponge iron.

Using hot charge of DRI into EAF, PGSS will save the energy and reduce production time. This will result in cost reduction thus increase the competitiveness of the company.

Advantageous of Hot Briquette Iron (HBI) against DRI

- High bulk density can hold more quantity on charge bucket in comparison to scrap.
- Known, consistent chemistry certified by the producer unlike scrap which may vary.
- Minimal trace elements like Cu, Ni, Cr, Mo, Sn, Pb, and V in comparison to scrap.
- High thermal and electrical conductivity.
- Not prone to accident due to self-heating unlike DRI
- Low re activity with fresh and salt water (re-oxidation).
- Resistant to degradation due to handling and weathering.
- Compatible with all bulk materials handling equipment.
- Safe, easy to store in all types of weather.
- Don't contain any hazardous or radioactive materials.

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PBI Assets

Fabrication Yard

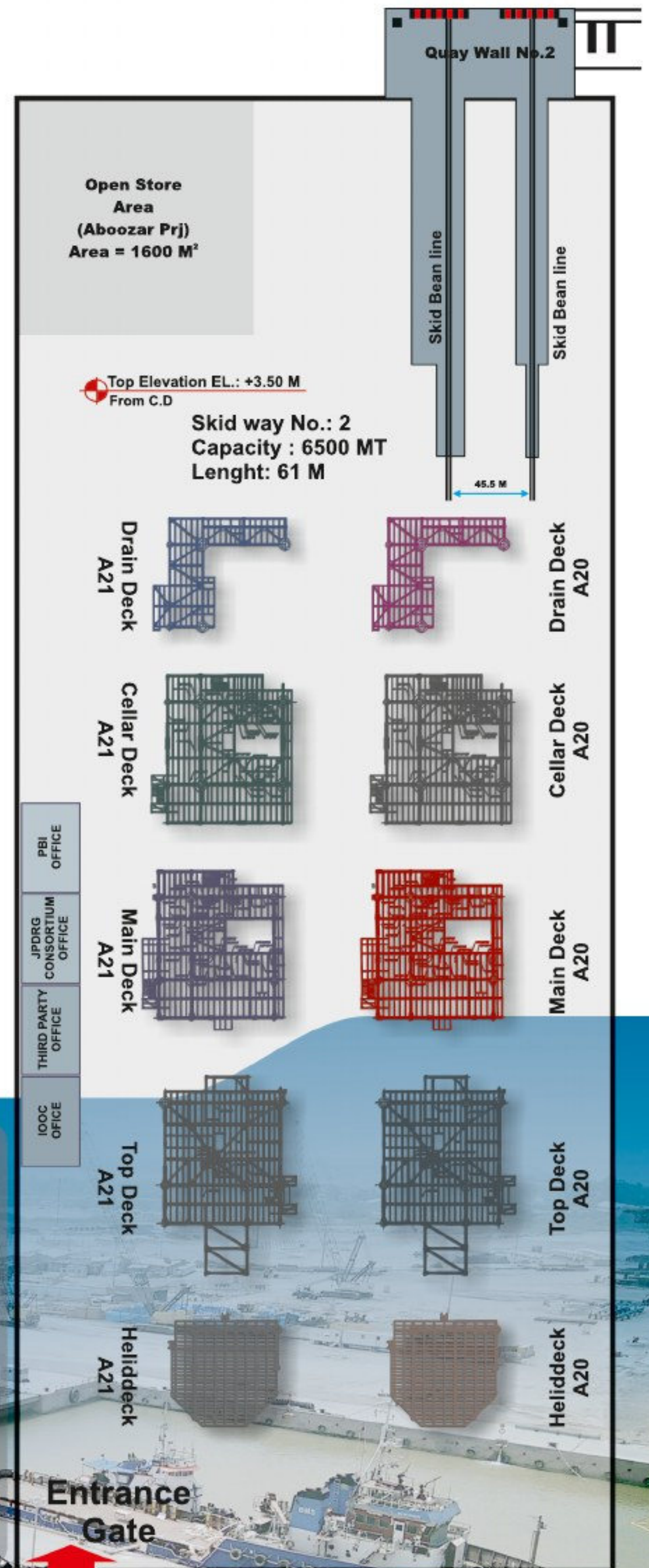
Petro Barasun has mobilized two separate yards in Arvand Free Zone Area in Khoramshahr. The first yard is in Khoramshahr industrial complex around 5000 m² is equipped by all tools, which is included and not limited to plate CNC-pipe cutting machine, band saw, and office.

The second yard is mobilized alongside of Arvand river, which is 25000 m² equipped with modern machinery & facilities which enable us to work simultaneously on 3 individual modules.

The second yard enjoys the advantage of a low tide with a minimum tide variation of 1.2 meter, which enables us to carry out the easy load out of heavy modules with a maximum skid way and quay-wall capacity of 6000 Mt. In this yard, our staff are working with various steel grade strength used in oil & gas industry from low carbon steel to high. In piping we use a spectrum of metal alloys ranging from Inconel, Cupper - Nickel to Duplex Stainless Steel. We use international standards for welding in these alloys.

Our Fabrication yard has the following capabilities:

- Jacket Construction
- Deck Construction
- Load Out & Sea fastening
- Construction of Jack-up Rigs (planned)
- Repair & maintenance of vessels and barges (planned)
- Weighing system for the fabricated jackets & decks
- SBM & SPM fabrication (planned)





Yard Specifications:

Subject :	Amount / Spec. / Description
Total Area	2.5 hectares
Fabrication Area	2 hectares
Covered work shop	Under construction
Covered warehouse & storage	Under construction
Jacket construction capacity	Planned for 3000 Mt
Deck construction capacity	Planned for 2000 Mt



Cranes:

For lifting & installation of structures & equipments for offshore & onshore operations, PBI takes advantage of various Cranes as follows:

- Crawler Crane 100 ton - quantity : 2
- Hydraulic Mobile Crane 25 ton – quantity : 4
- Hydraulic Mobile Crane 30 ton – quantity : 1

Equipment

Crane 25 tones komatso
Crane 25 tones tadano
Crane 25 tones kato
Crane 100 tones american
Painting and Sand blastind equipment
Airless
Wire brush
Scaffold 1000m2
Mooler
Welding equipment
cutting equipment
Liftrack
Mechanical
Excavation

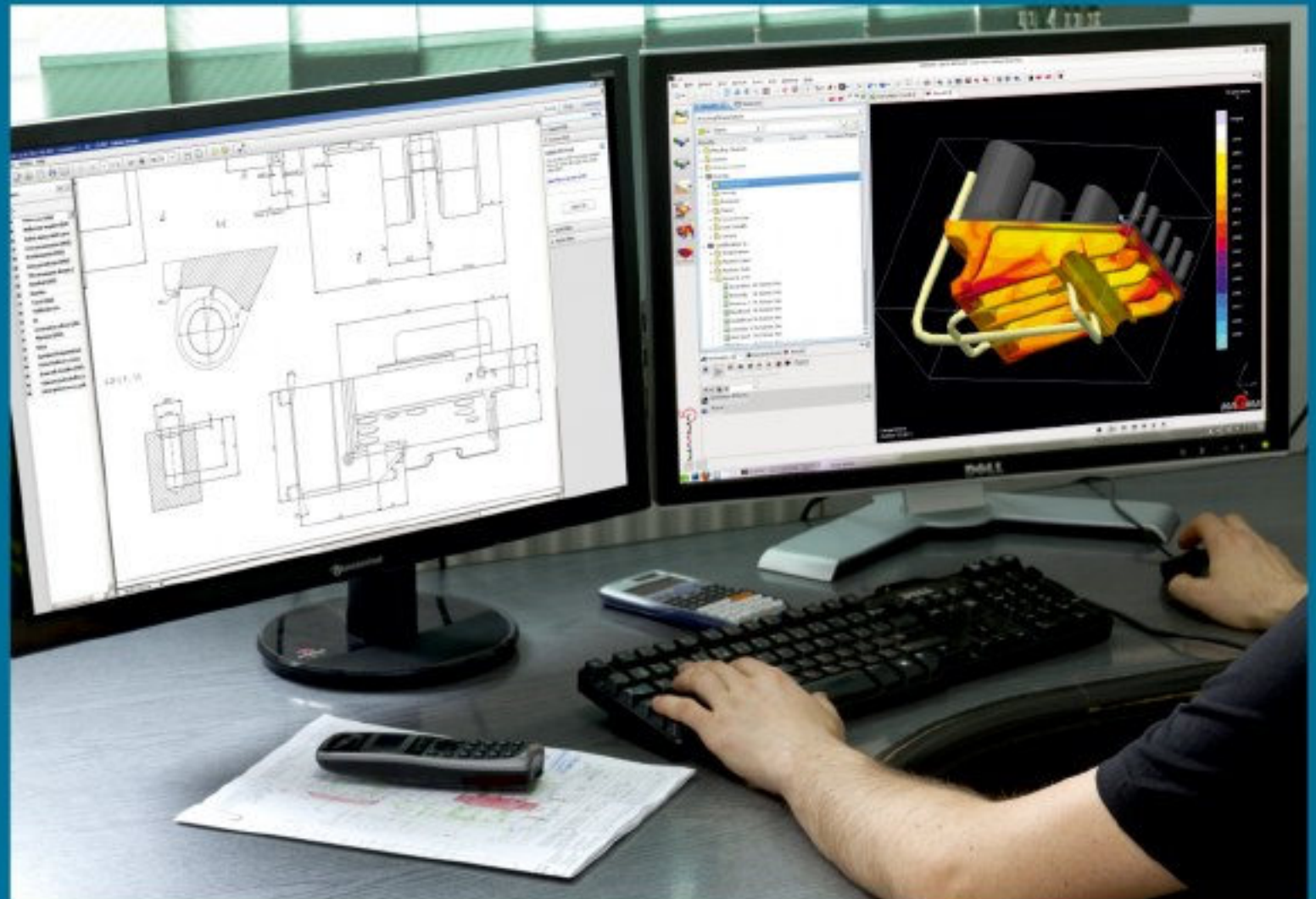


Engineering:

From the first days of Petrobarasun establishment, PBI Engineering Department did its best to achieve a good reputation for Design, cost effectiveness and high level of quality standards in operations and services.

We have highly skilled and qualified personnel in different fields to their talent and with sharing their experiences they try to be one of the greatest team in the domestic and international companies and go toward achieving the group goals and objectives.

By doing many Offshore and Onshore projects that have been done by PBI Company during recent years, Petrobarasun has been shown its high quality abilities in the projects.



ICS (Iranian Industrial Classification Survey)

Certificate No. ICS-C-16-0026

Design Certificate

of load out Area, Phase A20&A21
Abbaszadeh Offshore Complex Development

Company: Petro Barasun International Co.
Subject: Skid-Beam & Skid-way Extensions

No.	Item	Description
1	Skid Way Extension/Pile & Reinforced Concrete Pile -Cages	Design
2	Skid Beams	Design

Owner: Petro Barasun International Co.
Location: Khorramshahr/Iran

This is to certify that the design of the above mentioned item(s), as described in the reviewed documents listed in attachment, is concerning technical safety in line with project design basis and the agreed codes/standards, as specified for load out Equipment up to total 2500 tons.

This Design Certificate will form a constituent part of the "Certificate of Fitness". The "Certificate of Fitness" has to include: base on the certified design, the certification of fabrication of the facilities and components and the certification of erection and commissioning of the installation.

Date : 25-Jul-2016

Place : Tehran - Iran

Industrial Manager

[Signature]

Design Certificate - CoD

TA-13-CRT-122LA
Certificate No.

DEVELOPMENT OF SOROOSH C3-15 WELLS PROJECT

Subject: Design Verification for Development of SOROOSH C3-15 Wells Project consists of the following:

No	Facility	Description
01	Soroosh Field	Strengthening, Modification and Repair (SMR) administered to Jacket C3 under in-Place Conditions. C3 platform, a three legged drilling and wellhead platform is located in barge area sector.

Owner/Operator: Iranian Offshore Oil Company (IOOC)
Contractor: Ouseh US Development (OU)
Subcontractor & Designer: Petro Barasun International (PBI)
Location: Parsian Gulf, Offshore Iran - at the water depth of 42.6m.

This is to certify that the design of the above described Development of SOROOSH C3-15 Wells Project as described in the documents listed in the attachment, (concerning technical safety) is in line with project design basis and the agreed codes/standards, as specified.

Tehran, Iran 05.08.2013

Lloyd Almar Kish Co.



[Signature]
Technical Manager

Attachment - Document Register (11 Pages)

The latest version of the General Terms and Conditions is applies.
Head Office: No. 101, Pashayi, Keshavarz/Chaharmahal, Shiraz, Iran
Tehran Office: No. 303, Mollasadegh St., North Tehran Tower, Tehran, Iran
P.O. Box: 198451111



Serial No. 203503

PBI

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REAL EPCI



ENGINEERING

- Conceptual Design
- Feasibility Study
- Basic & Detail Engineering
- Procurement Engineering
- Field Engineering
- Planning and Execution
- Strategy
- Construction Engineering
- Piping Engineering



PROCUREMENT

- Vendors list
- Inquiry to Vendors
- Analysis of Quotations
- Purchase order for Equipment and Materials Procurement
- Inspection and expediting
- vendor supplies
- Transportation & Traffic Controls



CONSTRUCTION

- Detailed Construction Planning
- Organization and Man-Power
- Execution Procedure
- Qualifications / Tests
- Mobilization and Equipment
- Field Administration
- Safety & Quality Control
- Subcontractor
- Internal & External Meeting
- Project Progress & Control
- Maintenance and Preservation Warehouse
- Transportation and lifting



INSTALLATION

- Detailed Planning
- Procedures
- Operational Manuals
- Organization and Man-Power
- Tests and Checks
- Loops-Control
- Equipment Running
- System Release
- Start- up

+ PRE-COMMISSIONING & COMMISSIONING



HSE

In PBI, we are particularly concerned with issues such as Health, Safety & Environment and Quality (HSEQ), through all our activities and projects.

Our word is "Safety First", so, no damage, no harm considered to our people, our subcontractors, even for our equipment.

We are very proud that HSE is a well known culture in our company.

For archiving our objective in HSEQ, we have implemented an Integrated Management System (IMS) in accordance with Quality Management System (QMS) and in conformity with ISO9001-2008 standards, and the health, safety and environmental management system.

Also, qualified HSE personnel are assigned to consult management in all aspects of **HSEQ**.

Our Iso certificates are as follows:

- Iso9001-2008
- Iso14001-2004
- Iso/TS 29001-2010
- OHSAS18001-2007
- HSE-MS





Petro Barasun
INTERNATIONAL COMPANY

CERTIFICATES:



VISIT our WEBSITE
www.petrobarasun.com

CONTACT US

No. 16, West Emdad Alley, North Sheykh Bahaei St., Mollasadra Ave., Vanak Sq., Tehran, Iran
Zipcode: 1993694534 Tel: 021 - 8862 2897-8 Fax: 021 - 8821 9852

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