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Tasdid Offshore Development Co.

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**TASDID OFFSHORE DEVELOPMENT CO.
FIELD OF ACTIVITIES :**

- Offshore Deck and Jacket EPCI
- Offshore Pipeline, Pipelaying & Cablelaying EPCI
- Onshore Activities & Services EPCC
- Power Plant EPCC
- Renewable Resources of Energy Activities EPC
- Repairing and Renovation of Platforms, Subsea Pipeline and Marine Facilities
- Upstream/Downstream activities
- Marine Jack ups construction
- Drilling Services
- Field Development as First Developer Co.



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CONTACT US:

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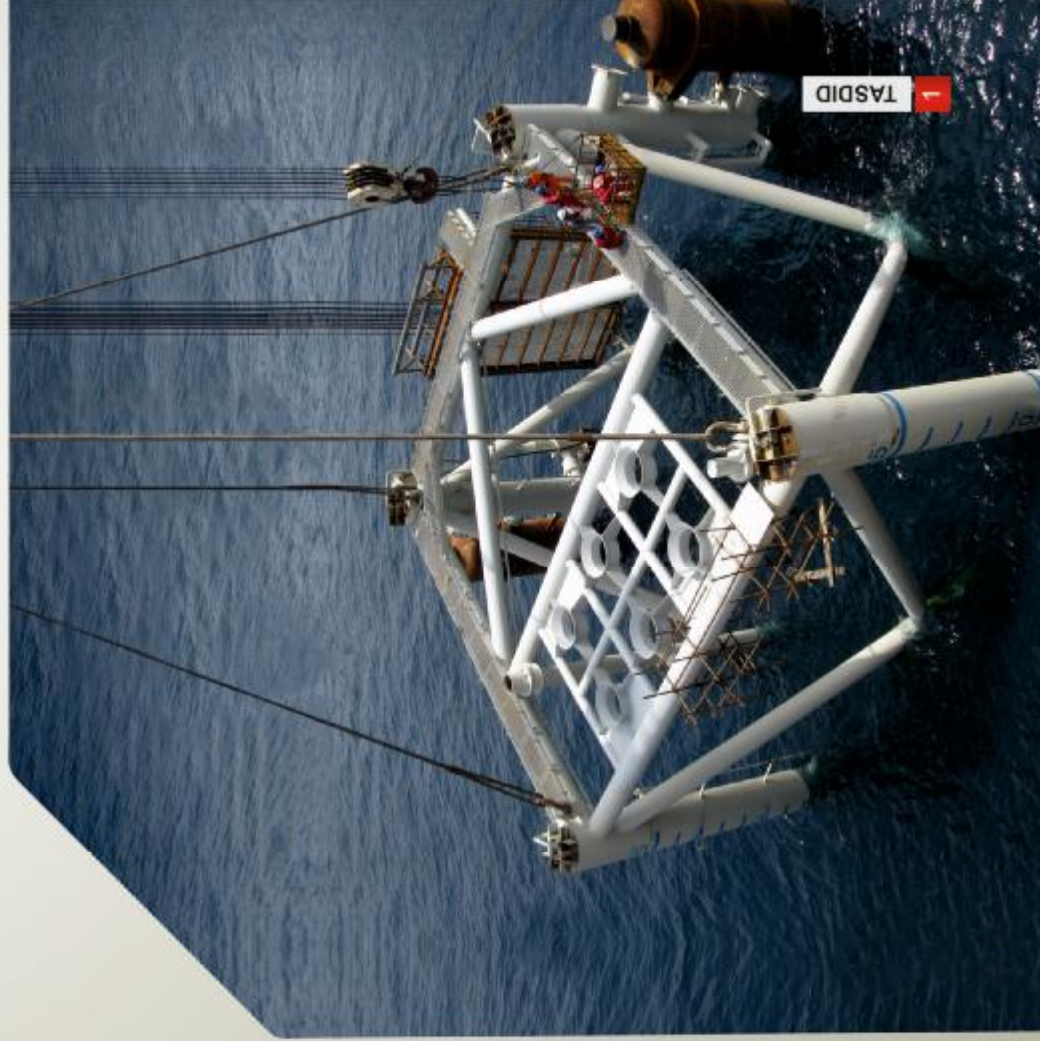
TASDID OFFSHORE DEVELOPMENT CO.

TASDID Offshore Development Company established in 2002 following a joint venture agreement signed between Iranian Offshore Engineering and Construction Company (IOEC) and Sadid Industrial Group (SIG).

TASDID is a General Contractor (G.C.) performing turnkey projects, upstream / downstream activities & Jackups construction, project financing, project management and project development services for industrial plants, oil and gas industries, and power plants in both onshore and offshore fields and also has the capability for financing the projects as well.

Experienced managers and professional experts gathered in tasdid to do their best for achieving clients satisfaction.

It is visible through the integrity and credibility of the company, to be trustworthy by our customers and business partners to become respected well-known, contractor in IRAN and overseas.



Our goal is to perform all activities at the highest level of quality within the shortest period of time and with the lowest cost.

Our Vision

Along with the vision policies of Iran, 2025, In companies ranking, Tasdid aims:

- To be among top three contracting companies in offshore projects in Iran during next five years.
- To be among top 20 contracting companies in onshore projects in Iran during next five years.
- To be among top five private companies in Oil&Gas upstream sector in next five years
- To be among top 3 private Iranian companies in Jack ups fabrication industry in next five years
- To be among top 10 Iranian companies upon active and remarkable attendance at international markets in issuing technical and engineering services.
- To be among the top companies in implementing the systems of quality management, safety, professional health and environment (HSEQ) and organizational excellence model (EFQM) in the national oil industry.
- To supply the 20% of financial turn over via projects' finance during next five years.
- To have the indexes increase in human resources development and to train the nest stuffs in the country during next five years.

Our Mission

Our company is improving the management and the execution of big projects in oil, gas, petrochemical and power plants in offshore and onshore, upstream,downstream & Jack ups fabrication using domestic capabilities in moving toward self-efficacy and creating jobs in local areas in management, engineering, procurement, constructing, installing and launch of those projects inside and abroad. Meanwhile, performing national projects upon optimum use of the available potentials of committed and specialized staff is being considered. Tasdid Company tries to have an effective and efficient attendance in national projects upon maintaining good name and to take action in creating synergistic and using capable, young, specialized and committed persons in on time execution of the defined projects in proper dimensions and sizes by using the software and hardware facilities and management ability of shareholders.

Meanwhile, this company tries to have effective attendance in technology transfer and new ideas by playing positive and remarkable roles. The other target of this company is attending in international projects for provision of technical and engineering services to other countries especially the neighboring countries and Persian Gulf states. In this regard, Tasdid Company has signed the cooperation agreements with different companies who attend international markets.



MESSAGE OF MANAGING DIRECTOR

Tasdid is a reputable Iranian company with its professional directors and managers dedicating their strength, and knowledge in implementing the Iran's Oil and Gas projects by broadening its presence in the International market with an aim for reaching higher technological advantages.

Tasdid's aim as a company is to make a genuine contribution to development of Iran's Oil and Gas projects via professional practice. We know that this means we have to utilize the most competent local and highly reputable foreign companies for achieving our goals. We will make conscious efforts to raise our interest in cooperating with other companies and keen to let you know how we plan to achieve our ultimate objectives.

Managing Director



SCOPE OF WORKS

- Offshore platform and Jacket Activities
- Offshore Pipeline & Cable Laying
- Repairing and Renovation of Platforms, Subsea Pipeline and Marine Facilities
- Onshore Plant Activities
- Power Plant
- Renewable Resources of Energy Activities
- Oil field Upstream/Downstream Projects
- Marine Jack ups Fabrication
- Drilling Activities



Offshore Projects



Item	Project Name	Client	Scope of Project
1	Ancillaries of South Pars Phases 9&10	P.O.G.C I.O.E.C	C
2	Reshadat Renovation & Development Jackets Project	I.O.O.C	EPCI
3	Hengam Development Project- Wellhead jacket	I.O.O.C	EPCI
4	Hengam Platform Development- Deck Project	I.O.O.C	EPCI
5	Sub marine pipelines renovation project for Aboozar and Norooz field	I.O.O.C	EPCI
6	Pig Launcher & facility Renovation for SPPI & SWP1 Topsides in Sorroosh Field	I.O.O.C	EPCI
7	Foroozan Brown Field- Renovation of 5 wellhead and modification of 4 platforms and subsea pipeline	I.O.O.C I.O.E.C	EPCI
8	South Pars Phase 19 Jackets	P.O.G.C I.O.E.C	C
9	Reshadat renovation and development project subsea pipelines and cables	I.O.O.C	EPCI
10	Foroozan Jackets Project	I.O.O.C I.O.E.C	C
11	Submarine Pipeline for Ilam & Salman Project	I.O.O.C	EPCI
12	Foroozan Field Wellhead F19 & EB & Subsea Pipelines / Subsea cables	I.O.O.C	EPCI
13	Liquid condensate loading terminal S.P.M buoy	F.J.G.R.C	EPCI
14	Ilam/Aboozar subsea pipeline	I.O.O.C	EPCI
15	Engineering, Procurement, Construction of 5 Jack-up Drilling Rigs (350 Ft)	-	EPCIC

Ancillaries of South Pars Phases 9 & 10

Client:
Pars Oil and Gas Company (POGC) /
Iranian Offshore Engineering & Construction Company
(IOEC)
Duration: 6 Months

Scope of work:
Prefab., Fabrication, Construction
and NDT consist of :
4 Jackets, 4 Bridges, 2 Flares and 4 Decks



Description	Qty	Weight (ton)
Jacket	4	1200
Bridge	4	560
Flare	2	240
Deck	4	300



Reshadat Renovation & Development Project

Client:
Iranian Offshore Oil Company (IOOC)
Duration: 24 Months

Scope of work:
Engineering, Procurement, Construction and Installation
(EPCI) of 5 offshore jackets in Reshadat Oilfield in
Persian Gulf, consist of :

Description	Weight (ton)	Dimension
P4 Jacket	3750 Tons	50×50×70 M
W0 Jacket	2400 Tons	23×23×30 M
W4 Jacke	4700 Tons	30×23×70 M
Q4 Jacket	1830 Tons	36×36×70 M
F4 Jacket	540 Tons	20×20×70 M

It is notable that P4 jacket which constructed
by Tasdid is the Biggest jackets in Middle East



Engineering, Procurement, Construction and Installation of Jacket for Development of Hengam Field

Client:
Iranian Offshore Oil Company (IOOC)
Duration: 6 Months

Scope of work:
Project consist of : Management, coordination, installation engineering, procurement, fabrication, testing, pre-commissioning, load out, voyage protection, transportation and installation of the Jackets, Piles, Boat Landing and Boat Fenders as applicable for the jacket.



Weight of the Jacket is 1000 Tons and weight of the Piles is 1000 Tons. The Jacket have four legs, six conductors and four elevations.

Based on the urgent situation, this project awarded to Tasdid and accomplished completely on time and delivered to the client successfully.



Engineering, Procurement, and Construction of Hengam field offshore Platform

Client:
Iranian Offshore Oil Company (IOOC)
Duration: 6 Months

Scope of work:
Construction of a Deck comprises of equipment, such as some Piping, Valves on spot, manual Crane, M.E.G reservoir, Air Vessel for actuating pneumatic valves, etc, totaling about 120 Tons out of which 50 Tons is only the deck itself.



This Deck with the Equipment operates as a Wellhead Deck in which draws the gas from Hengam Field with a pressure, approximately 450 Bar and deliver this to Onshore Facilities to be treated with certain process.

Submarine Pipelines Renovation for Aboozar and Norooz Fields

Client :

Iranian Offshore Oil Company (IOOC)

Location : Aboozar and Norooz Oil Fields – Persian Gulf

Duration: 8 Months

Scope of work:

The Project consist of the replacement of two pipeline and their related topside piping in Aboozar and Norooz fields as below :

- Existing 18" subsea pipeline replaced by one 16" subsea pipeline with length of about 4 km to transport the produced crude oil from existing A15 up to the existing AB platform.
- Existing 6" flexible pipeline replaced by one 10" subsea pipeline with the length of about 3km to transport the produced oil from NPP platform to NPP-2 platform at Norooz field.

The project including engineering, geophysical & geotechnical survey works, supply of all materials, fabrication, and installation of pipelines, risers expansion spool pieces, tie-ins and testing and pre-commissioning of the submarine pipelines were performed by Tasdid.



Pig Launcher & facility Renovation for SPP1 & SWP1 Topsides in Soroosh Field

Client :

Iranian Offshore Oil Company (IOOC)

Location : Soroosh Oil Field-Persian Gulf

Duration: 4 months

Scope of work:

This project consist of engineering, procurement, Construction, installation, commissioning and start up of an extension platform approximately 80 tons, includes all related facilities for connecting 2×16" subsea oil pipeline to soroosh production platform (SPP1)



Foroozan Brown Field-Renovation of 5 wellhead and modification of 4 platforms and subsea pipeline

Client:
Iranian Offshore Oil Company (IOOC)
Iranian Offshore Engineering & Construction Company (IOEC)
Location: Foroozan Oil Field- Persian Gulf
Duration: 24 Months

Scope of work:

Brown Field: Extension of production platforms: FX, FZ, F15, F16 & Renovation of wellhead platforms: F2, F8, F9, F14, F17 consist of basic and detail engineering, survey, procurement, fabrication, installation, commissioning and startup Green Field: Bridges FZ-A, FZ & FY-A, FZ-A & tripod FZB4 consist of basic and detail engineering, survey, procurement, fabrication, installation, commissioning and startup Subsea Cable: 18 Km submarine power and fiber optic fiber from Platform FX to FZ-A and 18 km submarine power and fiber optic cable among wellhead platforms.



South Pars Phase 19 Jackets

Client :
Pars Oil and Gas Company (POGC) /
Iranian Offshore Engineering & Construction Company (IOEC)
Duration : 14 months

Scope of work:
Construction & Load out of 3 Jackets for South Pars Phase 19, consist of :

Description	Weight (ton)
Jacket (A)	3400 tons with accessories
Jacket (B)(6 legs)	3500 tons with accessories
Jacket (C)	3400 tons with accessories



Reshadat renovation and development project subsea pipelines and cables

Client: Iranian Offshore Oil Company (IOOC)
Duration: 24 Months

Length of pipeline : 180 Km
Length of cable : 12 Km

Scope of work:

Reshadat subsea pipeline and cable laying project as third package of reshadat renovation and development project consist of engineering, survey, procurement, fabrication, installation, trenching and, pre-commissioning of 8, 10 and 16-inches infield and 10" gas and 16 - inches export oil submarine pipeline systems with total length of 180 Km. The project was also included engineering & design, material procurement, installation, hookup and testing of two infield submarine composite cables with total length of 12 Km.



FOROZZAN Jackets Project

Client:
Iranian Offshore Oil Company (IOOC)
Iranian Offshore Engineering & Construction Company (IOEC)
Duration: 18 Months

Scope of work:
Construction and Load out of 2 jackets for Foroozan field in Persian Gulf, consist of :



Description	Weight (ton)
FZA Jacket	2300 Tons
FYA Jacket	1000 Tons
Piles	2200 Tons



Submarine Pipeline for Ilam & Salman Project

Client:
Iranian Offshore Oil Company (IOOC)
Duration: 18 Months
Length : approximate 15 Km

Scope of work:

Submarine pipelaying for Ilam & Salman projects consist of engineering, survey, procurement, fabrication, installation, commissioning and startup of two 8" and 10" water injection infield pipelines systems in Salman field and one 14" well fluid pipeline system in Ilam field.

The project consisted of engineering, all geophysical & geotechnical survey work , procurement and supply of all materials , fabrication and installation of pipeline, risers , expansion spool pieces, tie-ins and testing and pre-commissioning of the submarine pipelines. The work scope also covered the provision of all labor, equipment, consumables, inspection and supervision in connection with the work.



Foroozan F19 wellhead platform & EB & subsea pipelines & subsea cables

Client:

Iranian Offshore Oil Company (IOOC)
Location: Foroozan Oil Field- Persian Gulf
Duration: 16 Months

Scope of work:

The main target of project is developing oil production in Foroozan field via F19 new wellhead platform. The scope of project includes engineering, procurement, construction, installation of below parts:

- One wellhead platform equipped with the minimum production facilities, including top deck and jacket.
- One entrance block platform, including top deck and jacket; for installation of risers, J-tubes and manifolds, pig launchers/receivers, power generation system, MCC and switch room related to F19 platform and to be connected to existing FX platform.
- One bridge to connect entrance block piping and cables to FX
- Three 12, 8, 6 subsea pipelines respectively for transportation of main production, test production, gas between F19 and existing FX platform through entrance block.
- Two parallel composite subsea cable between F19 and FX through entrance block to supply power needed for operation and making communication via fiber optic

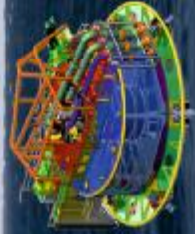


FAJR –E-JAM GAS REFINERY GAS LIQUID CONDENSATE LOADING TERMINAL SPM BUOY

Client: F.J.G.R.C (Fajr-e-Jam Gas Refinery Company)
 Location: Bandar Siraf, in the south of Iran.
 SPM type: Turret type
 Capacity: 40,000 DWT

Scope of work:

The scope of this project includes decommissioning of existing SPM, design, supply, procurement, installation and commissioning of one New-SPM for the gas liquid condensate loading terminal near Bandar Siraf, Iran.



Ilam/Aboozar subsea Pipeline project :

Client: Iranian Offshore Oil Company (IOOC)
 Duration: 12 Months
 Length: 8 km

Scope of work:

The project consist of design, procurement fabrication, installation and pre-commissioning and commissioning of the pipeline and carrying out topside modification for a new 4 km 14" pipeline from WPE-3 to PPE in ILAM field located in 18 km of south/ south-east of Sirri Island and a new 3.8 km 24" pipeline from AA to AB in ABOOZAR field, 76 km south-west of KHARG Island.



Jack up Construction project :

Client: Sadid
 Duration: 42 Months

Scope of work:

Tasdid is going to fulfill the Engineering, Procurement, Construction & Installation of 5 Sets "350 feet Jack up drilling platforms". These units will be utilized for offshore oil and gas exploration and development operations with the maximum operating water depth of 106m (350 ft) which is suitable for most parts of Persian Gulf.

The drilling depth capacity will be around 9000 m (30,000 ft.) the rig will accommodate a capacity of 120 people onboard.

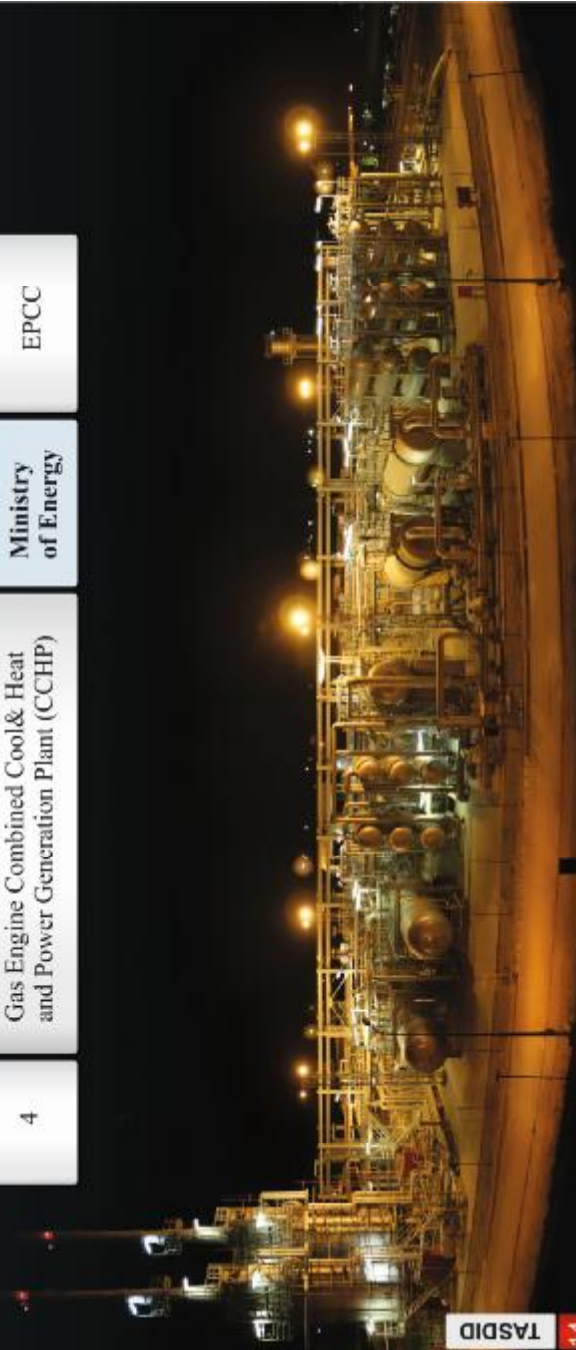


ONSHORE PROJECTS



TASDID Onshore and Reference Projects

Item	Project Name	Client	Scope of Project
1	SIRRI Slug Catcher	P.E.D.C.O	C
2	16" Pipe Line From Abadan Refinery To Ahwaz Pump Station	I.O.P.T.C	EPCC
3	Labsefid Desalting and Dehydration Project	N.I.S.O.C	EPCC
4	Gas Engine Combined Cool& Heat and Power Generation Plant (CCHP)	Ministry of Energy	EPCC



SIRRI Slug Catcher

Client: Petroiran Development Company(PEDCO)
Duration: 6 Months

Scope of work:

This project is a part of SIRRI Gas Compressor station Plant Project consist of fabrication and installation, precommissioning & commissioning of 3000 tons Slug Catcher.



16" Product Pipeline from Abadan Pump Station to NEZAMIEH Pump Station in Ahwaz

Client: Iranian Oil Pipeline & Telecommunication Company (I.O.P.T.C)

Duration: 21 Months

Scope of work:

Engineering, Procurement, Construction & Commissioning for 140 Km 16" onshore product pipeline project including launching & receiving the pigs between pipelines from Abadan Refinery to ahwaz pump station



Labsefid Desalting and Dehydration Project

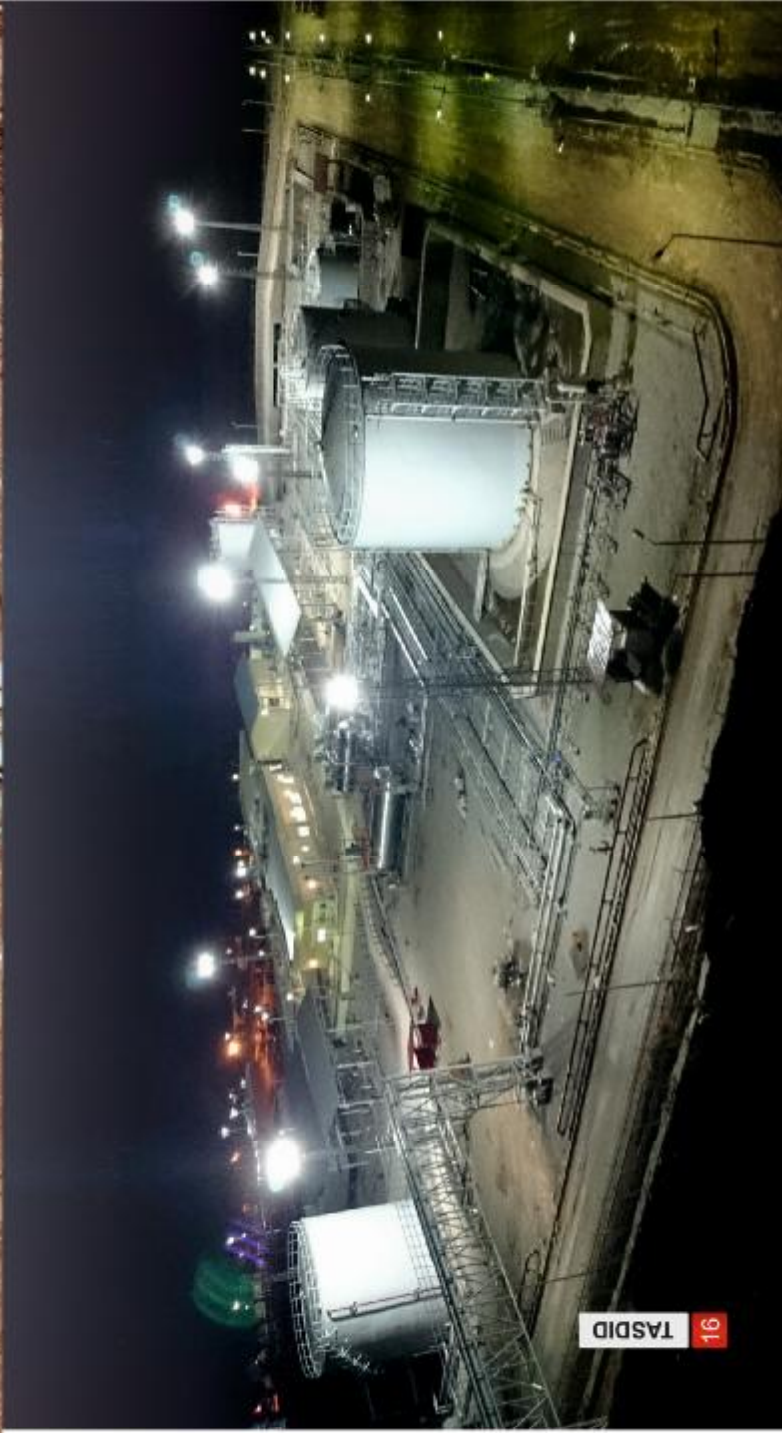
Client:

National Iranian South Oil field Company (NISOC)

Duration: 30 Months

Scope of work:

Engineering, Procurement, Construction, Pre-Commissioning, and Commissioning the project to increase the efficiency & production of Lab Sefid oil production unit by fabrication and installation of crude oil indirect fired heaters & energy saving in 2 desalting units by using plate and frame Heat Exchangers (as economizer).



RENEWABLE RESOURCES OF ENERGY PROJECTS

Project Name	Client	Scope of Project	Status
4MWCCHP Project Gas Engine Combined Cool& Heat and Power Generation Plant	Ministry of Energy	EPC	Completed

Gas Engine Combined Cool& Heat and Power Generation Plant

Client:
Ministry of Energy, Iran
Duration: 12 Months

Scope of work:

Engineering services, Procurement materials and equipments, Construction, Pre-com. and Commissioning to produce 4 MW electric power plus thermal power by using the maximum recycling of Energy in a high proficiency method; Combined Cool and Heat & Power (CCHP).

The specification of this CHP system is :

Item	Spec./Quantity
Electric Power output	3457 KW
Steam rate @ 3 barg	2830 kg/h
Steam Power	1846 KW/h
Hot water generation 80°C	1673 KW/h
Total generated power	6976 KW
Fuel consumption	8410 KW
Total Efficiency	85 %



TASDID Assets

1 FABRICATION YARD

TASDID Vali-Asr fabrication yard is located in Khoramshahr, proximity to major urban areas offers us easy access to the local labor force as well as roads, railroad, seaports and airports. This yard enjoy a relative lower humidity and better climate, compared to other locations in the Persian Gulf, and by extension better working conditions for our employees.

Khoramshahr enjoys the advantage of a low tide with a minimum tide variation of maximum 1.2 meter, which enables us to carry out the easy load-out of the heavy modules with a maximum Skid-way and Quay-wall capacity of 6000 Mt. In the event of power cuts and in order to ensure work continuity, our emergency power station with a 1.2 MW capacity can provide power to the yard.

Equipped with modern machinery and facilities, our yard allows us to simultaneously work on 3 individual modules, with production weight capacity of up to 12000 Mt per year. In Vali-Asr Fabrication Yard, staffs are able to work with various steel grade strengths used in the Oil and Gas industry- from low carbon steel to high yield strength steels of up to 450 MPa. For piping, we use a spectrum of metal alloys ranging from Inconel, Cupro-nickel to Duplex Stainless Steel. For welding of these alloys, TASDID follows the international standards. It is also adept in using Aluminum in its works.



Vali-Asr Yard Specifications, workshop and equipment

The following operation can be done in Vali-Asr Yard :

- ↗ Jacket Construction of up to 12000 tones
- ↗ Deck Construction of up to 6000 tones
- ↗ Construction of Jack-up rigs (planned)
- ↗ Repair and maintenance of vessels and barges (planned)
- ↗ Upgrade of vessels at berthing condition
- ↗ Availability of a weighting system for the fabricated jackets and decks
- ↗ Stinger fabrication
- ↗ SBM fabrication
- ↗ Jack ups Fabrication



TASDID FABRICATION YARD LAYOUT



Quay Wall Specification:

SKID WAY No.	Length (m)	Span Range (m)	Load Capacity (M/T)
1	240	11.5 to 22.5	6000
2	180	11.5 to 22.5	6000
3	180	11.5 to 22.5	6000



Arvand River

Vali-Asr Yard Area:

Quay Wall Spec.	Spec.
Total length (heavy loading)	3-32 m
Total length (light loading)	300 m



Dredging of Seaward Channel

Description	Spec.
Distance to open sea via Arvand River	140 km
Distance to Navigable Water	0 km
Maximum tidal variation	1.2 m
Quay Wall's tip	9 m



Fabrication Capacity:

Description	Spec.
Annual Tonnage capacity (Mt)	20,000
Annual man-hour capacity in man hours	6,000,000
Max jacket construction capacity (Mt)	12,000
Max deck construction capacity (Mt)	8,000

2 Marine Fleet

To transport, install and execute offshore operations and meet market needs, Tasdid takes advantages of a fully professional marine fleet which belongs to our share holder.

Furthermore, during each project & in special offshore operations, Tasdid subcontracts specialized marine fleet to perform the best.



3 Cranes

To lift and install structures and equipments for operating and implementing offshore and onshore projects TASDID serve the various cranes as follows:

Light Cranes from 5 to 50 tons in the shop.

Heavy Crane from 80 to 400 tons in the site .

Barge Crane from 400 to 5000 tons in the sea.

HSEQ Management

To achieve our vision, increasing the decision power, putting the company activities based on the managing international system (running a prevention system about HSEQ), developing the knowledge and science and practical skills of personnel and clients (as the most essential property) it was necessary to decrease the risks and hazard and preventing the occurrence of similar accidents and finally increasing the quality level of services, decreasing the wasting of resources and at last moving toward the Iranian National Productivity and Excellence Award.

To reach all above, HSEQ management is performed in the best way by perfect planning and the direct role of managing director and all Tasdid employees.



H S E Q

Quality Management System	ISO: 9001:2008
Recognized to excellence	2014 (2stars)
Integrated management system	IMS
Environment Management system	ISO:14001:2004
Professional health and safety management system	OHSAS 18001:2007
Quality management system in oil, gas and petrochemical field.	ISO/TS:29001:2010
Customer satisfaction	ISO:10004:2010

For increasing the satisfaction of customers & beneficiaries, decreasing the risks & wasting the resources, obtaining the safe and healthy work environment and also marketing, Tasdid company worked on purification the pollutions, identifying the risks, Tasdid achieved the international certificates from known universal CBs.



Tasdid has been audited by an auditor office specially in marketing field and has updated as: Tasdid is performing the best HSE services and systems in a developing plan.

Tasdid recognizes the environment risks by the newest scientific methods and creates the necessary permits and procedures by the use of analyzing environment risks and according to the last universal standards such as OGP and OHSAS:18001

Furthermore, Tasdid prepares a safe environment and decrease the risks by preparing guide booklets, forming continues training course, daily toolbox meeting, forming periodic maneuvers, procuring group and individual safety materials, managing the resources and energy, supervising and controlling industrial wastes and waste water.

QC (QUALITY CONTROL)

Auditory formats of different project was progressed to coordinate the raw material, instruments and procurement with the project needs and related standards, so the accuracy of project performance was tested by proficient tests.

Furthermore, by analyzing the probable nonconformities and preparing essential statistic reports, some prevention actions were performed to remove the nonconformities.

Assurance of the use of instruments, calibrated measuring instruments and maintaining the documents related to calibration are some parts of important functions of QC to deliver the offers by the best quality.

QA (QUALITY ASSURANCE)

Process indicators were measured, examined, controlled and improved according to the developing of the company permanently.

By providing the instructions and methods, essential forms and omitting the useless items, according to the international standards, some actions executed to simplify the performance of these processes. So, Tasdid was selected as one of the pioneer companies to perform the optimized method of quality system.

EFQM

After receiving the international certificates and afterward running them in the system, Tasdid decided to keep the way on EFQM.

Therefore, after self assessment and auditing by IPHRD, Tasdid has honored taking the EFQM and 2 stars award as one of the private companies.



