



PETROGAS JAHAN

Engineering Company

Company Profile
2025



PETROGAS JAHAN

Engineering Company

Introduction:

Petrogas Jahan Company is a completely private company active in the field of providing engineering services in the field of energy and infrastructure at the national and international level.

This company was established in 2005 by Jahanpars Group (with more than five decades of experience in the field of energy development) as a sub-group of engineering.

Petrogas Jahan specializes in the fields of design, engineering, purchasing engineering, and project management in upstream, downstream, refineries and chemical factories, petrochemical industries, transmission lines, storage tanks, energy and water industries.

Petrogas Jahan's capabilities range from basic design to detailed design and EPC services to projects (in partnership with Jahanpars) for onshore and offshore projects.



Our Services:

Engineering Design:

Feasibility Study

Basic Design

FEED

Detail Design

Procurement Engineering

Field Engineering

Management Contractor (M.C.)



Field of Activities:

Oil, Gas and Petrochemical Industries

Oil and Gas Refineries

Petrochemical Plants

NGL Plants

Wellhead

Gathering System & Production Surface Facilities

Tank Farms

Compressor & Pump Stations

Offshore Facilities (Wellhead & Processing Platforms)

Power Plants and Renewable Energy Industries

Water Treatment and Transmission Pipeline

Oil and Gas Transmission Lines

On-Shore Pipelines

Off-Shore Pipelines



Our Mission

PetrogasJahan is aiming to provide best in class engineering services to its clients by utilizing new techniques and technologies with due consideration for our society, environment and beneficiaries. Petrogas Jahan strives to increase its know-how ,its technical capabilities, its profitability, & maintain its place in today's competitive market.

Our Vision

While leading a dynamic & active setup in the fields of oil and gas (engineering & procurement services), as well as collaborating with prestigious individuals & organizations in national & international markets, Petrogas Jahan, as an Iranian engineering company, endeavors to accomplish national & international recognition in its fields of operation.

شرکت مهندسی پترو گاز جبهان



150
PERSONNEL

20 *Civil, Structural & Architectural Engineers*

28 *Electrical & Instrument Engineers*

11 *DCC & Planning Engineers*

21 *Mechanical Engineers*

32 *Management Team*

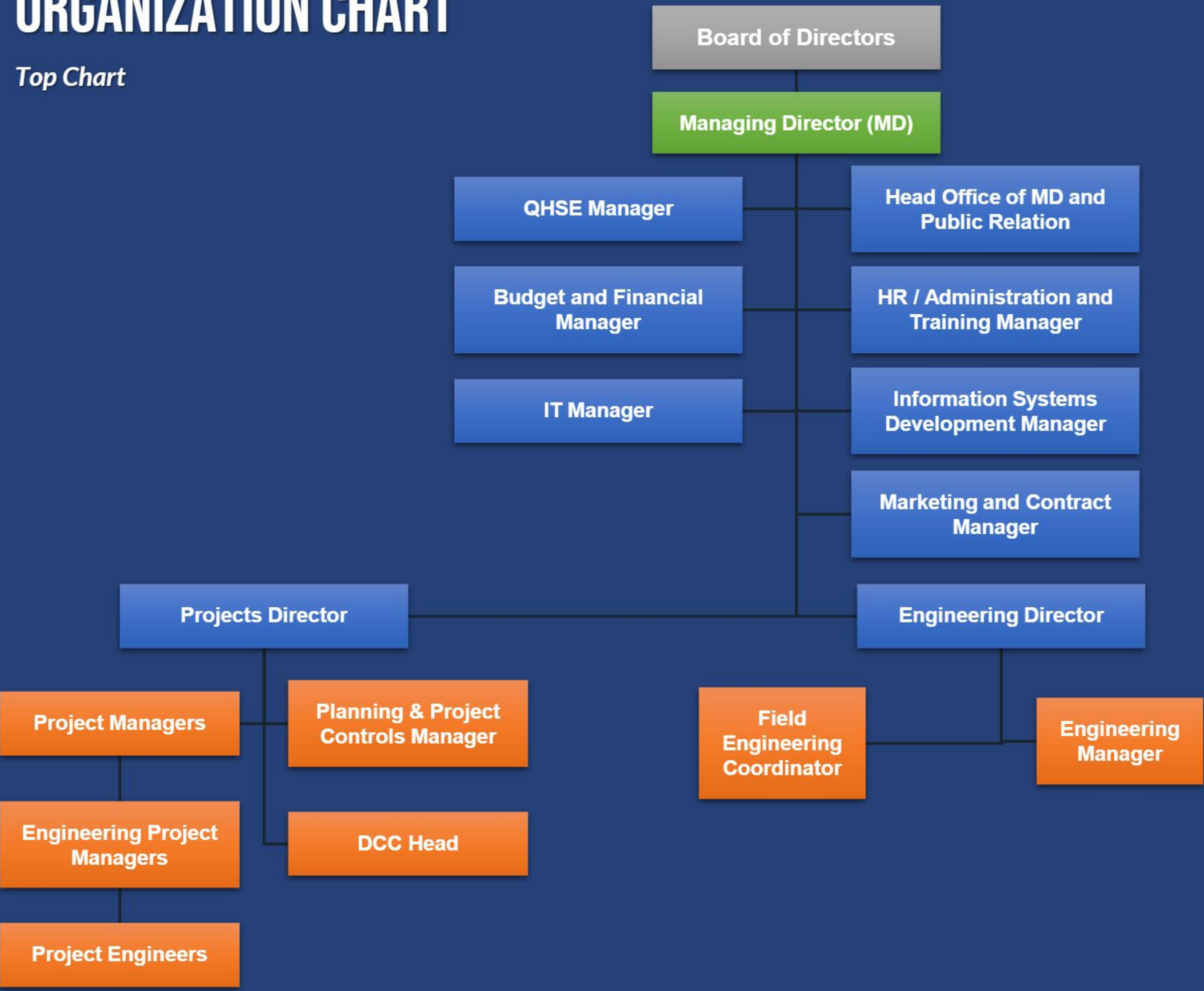
18 *Process Engineers*

20 *Piping Engineers*



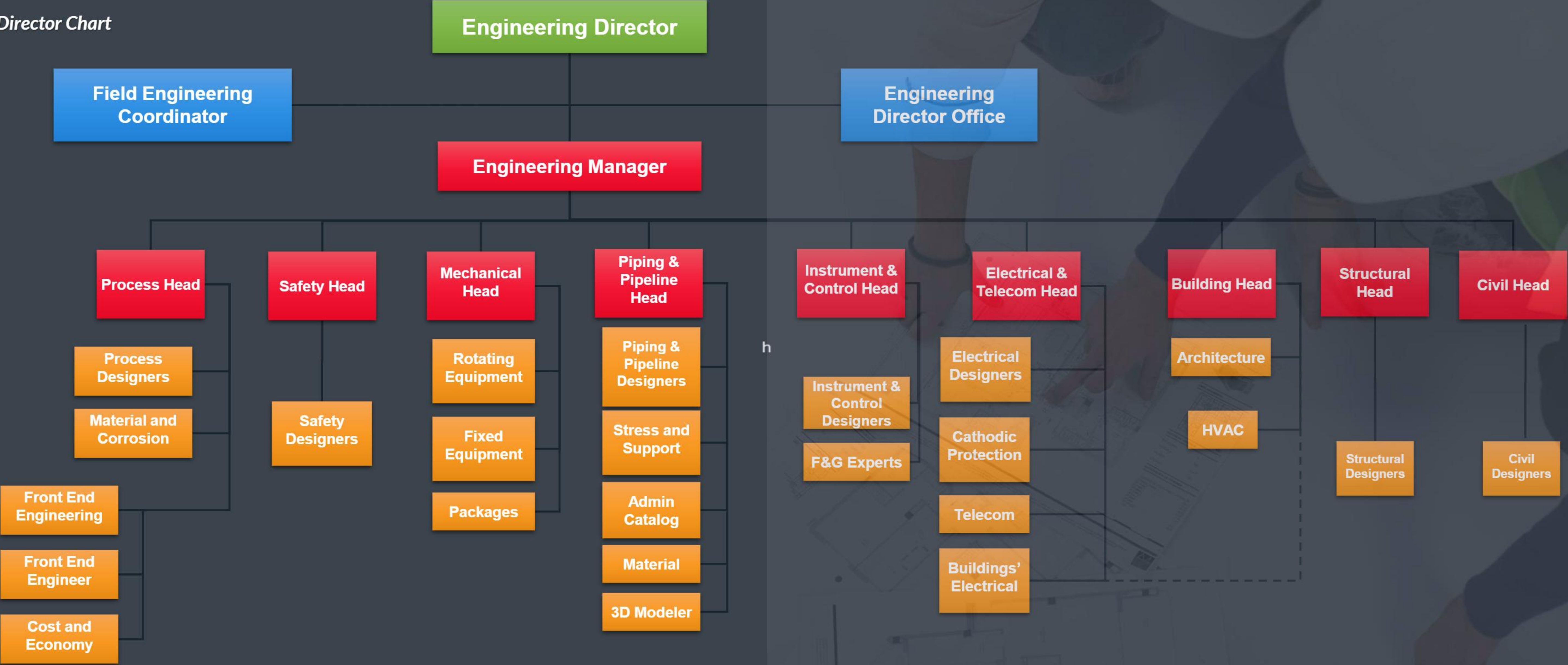
ORGANIZATION CHART

Top Chart



ORGANIZATION CHART

Engineering Director Chart



Integrated Management System Policy Statement

PETROGAS JAHAN Engineering Company, in line with fulfilling its mission and assigned responsibility, with focus on organizational dynamism, a sincere and creative and knowledge based environment, and utilization of modern technology, commits itself to preserve and execute the explained policies. Focus on customer satisfaction and stakeholder requirements, at all phases, is considered by the management and the staff, and with regard to all the relevant rules and regulations, integrated management system based on ISO9001:2015, ISO14001:2015, OHSAS18001:2007 and ISO/TS29001:2010 has been established to improve the engineering and order engineering services in oil, gas and petrochemical industry.

Based on this, PETROGAS JAHAN Engineering Company puts forward and prioritizes the following statements as its policies for the integrated management system:

1. Honoring the clients as company's main investment and endeavoring towards increasing their level of satisfaction.
2. Creating partnerships and cooperation with other companies and local and international institutes to be present and execute different phases of engineering and order engineering projects.
3. Managing and executing the assigned projects on time, considering the quality, cost and risk factors, with the objective of promoting the marketplace and company's share in the market.
4. Attention to the human dignity and increasing the capabilities of the staff in order to increase their level of satisfaction from the company.
5. Fulfilling the social duties and implementing legal obligations in order to protect the environment by reducing energy and resource consumption and preventing environmental pollution.
6. Increasing the level of health and safety of the staff and also preventing injuries and diseases by identifying and evaluating the risks.
7. Continuous improvement of all the processes of the company in order to promote the level of our product's quality, health and work safety and environmental protection.

Firstly, I bound and commit myself to comply, follow-up and adhere to the principles above, and I ask each and every one of my colleagues in PETROGAS JAHAN engineering company to commit and comply with this policy statement and expect their endeavor to execute, preserve and improve the integrated management system.

Official License To Perform Consulting Services

- **Ranked First in the fields of:**
- *Upstream Surface Facilities*
- *Pipeline*
- *Downstream Oil & Gas Refineries*
- *Building (Residential, Industrial, Commercial, Office)*
- *M.C.*
- **Ranked Third in the fields of:**
- *Urbanism*
- *Envoiromnet*

گواهینامه صلاحیت خدمات مشاوره

جناب آقای روح اله عطائی
مدیرعامل محترم شرکت مهندسی پتروگاز جهان
شناسه ملی ۱۰۱۰۳۰۹۱۲۲۸

به استناد تصویب نامه شماره ۲۰۶۳۷/ت/۲۸۴۳۷هـ مورخ ۱۳۸۳/۴/۲۳ هیأت محترم وزیران و اصلاحات بعدی، با توجه به احراز شرایط لازم و تأیید صلاحیت در سامانه جامع تشخیص صلاحیت عوامل نظام فنی و اجرایی، بدین وسیله صلاحیت آن شرکت برای انجام امور مشاوره به شرح زیر اعلام می گردد.

پایه	تخصص	ظرفیت
۳	محیط زیست	تعداد ۴ کار مجاز
۱	تاسیسات بالادستی رو زمینی نفت و گاز	تعداد ۶ کار مجاز
۱	خطوط انتقال نفت و گاز	تعداد ۶ کار مجاز
۱	واحدهای پالایشگاه نفت، گاز و صنایع پتروشیمی	تعداد ۶ کار مجاز
۳	تاسیسات آب و فاضلاب	تعداد ۴ کار مجاز
۱	ساختمانهای مسکونی، تجاری، اداری، صنعتی و نظامی	تعداد ۶ کار مجاز
۳	شهرداری	تعداد ۴ کار مجاز
این گواهینامه تا پایان دوره ارزشیابی و حداکثر تا تاریخ ۱۴۰۵/۰۷/۰۱ معتبر بوده و همواره ملاک اعتبار آن، اطلاعات مندرج در سامانه sajar.mporg.ir است.		
شرکت «مهندسی وساختمانی جهانپارس» سهامدار عمده (۹۹/۴۴٪) این شرکت می باشد و همچنین رعایت تبصره های (۱) و (۲) بند «ت» ماده (۳) آیین نامه اجرایی بند «الف» ماده (۲۶) قانون برگزاری مناقصات توسط آن شرکت الزامی است. این شرکت با شرکت «پترو فولاد جهان» دارای سهامدار مشترک و با شرکت های «مهندسی وساختمانی جهانپارس» و «بین المللی مهندسی ایران (ایریکت)» دارای هیات مدیره مشترک است. ارائه خدمات مدیریت طرح در تخصص های «تاسیسات بالادستی و رو زمینی» با پایه ۱ «خطوط انتقال نفت و گاز» با پایه ۱ «واحدهای پالایشگاه نفت، گاز و صنایع پتروشیمی» با پایه ۱ «ساختمانهای مسکونی، تجاری، اداری، صنعتی و نظامی» با پایه ۱ توسط دارنده این گواهینامه مجاز است.		

- رعایت قانون برگزاری مناقصات، آیین نامه های اجرایی آن، ظرفیت کاری مجاز و بخشنامه شماره ۱۴۰۱/۷۳۰۳۹ مورخ ۱۴۰۱/۰۲/۲۱ با موضوع مدیریت تعارض منافع و جلوگیری از تبانی در ارجاع کار ضروری است.
- هرگونه تغییر در اطلاعات مورد استفاده در تشخیص صلاحیت به ویژه مدیر عامل، اعضای هیئت مدیره و افراد امتیازآور باید ظرف مدت سه ماه در سامانه جامع تشخیص صلاحیت ثبت شده و مورد تأیید قرار گیرد.
- هر قرارداد جدید باید ظرف مدت سه ماه پس از انعقاد و صورت وضعیت های جدید پس از تأیید کارفرما، در سامانه ساجات ثبت شود، وگرنه امکان استفاده از امتیاز قراردادها در تشخیص صلاحیت های بعدی و آزادسازی ظرفیت وجود نخواهد داشت.

ISO IMS CERTIFICATES



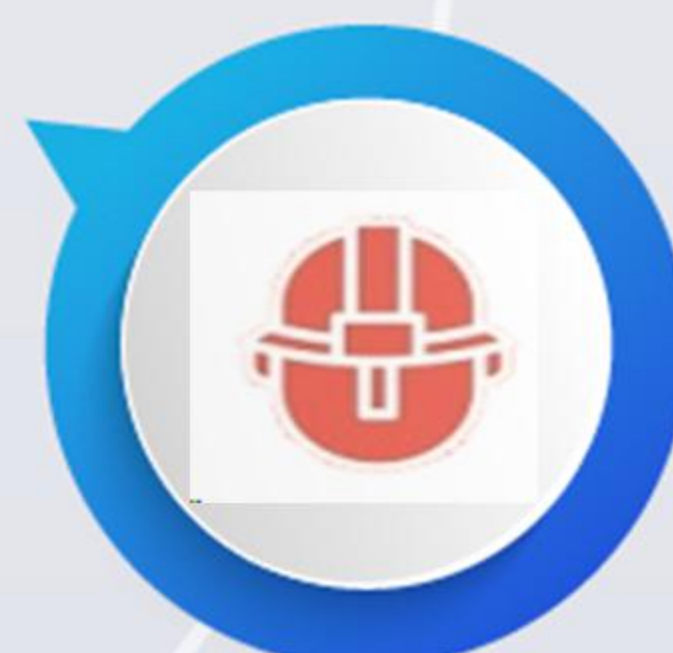
ISO 9001:2015

Quality Management System



ISO 14001:2015

Environmental Management System



ISO 45001:2018

Occupational Health and Safety Assessment Series Standards



ISO/TS 29001:2020

Quality Management System for Oil, Gas, and Petrochemical Projects



In the realm of large-scale and complex projects, particularly in industries such as petrochemicals and construction, the role of a Management Contractor (MC) is pivotal. The MC acts as an integral part of the client's team, overseeing and coordinating all phases of the project to ensure its successful completion.

Key Responsibilities:

1.Coordination and Supervision: The MC is responsible for the seamless coordination and supervision of all project stages, from initial planning to final execution. This includes managing various subcontractors and ensuring that all activities are aligned with the project goals.

2.Time and Cost Management: One of the primary roles of the MC is to manage the project's timeline and budget. By closely monitoring progress and expenditures, the MC helps to prevent delays and cost overruns, ensuring that the project stays on track.

3.Quality and Safety Assurance: Ensuring high standards of quality and safety is a critical responsibility of the MC. This involves implementing rigorous quality control measures and safety protocols to minimize risks and ensure compliance with industry standards.

4.Risk Management: The MC plays a crucial role in identifying, assessing, and mitigating risks throughout the project lifecycle. This proactive approach helps to address potential issues before they escalate, safeguarding the project's success.

5.Reporting and Communication: Regular reporting and effective communication with the client are essential duties of the MC. By providing detailed progress reports and updates, the MC ensures that the client is well-informed and can make timely decisions.

6.Problem Solving: The MC is often tasked with resolving any issues or obstacles that arise during the project. This requires a combination of technical expertise, strategic thinking, and effective negotiation skills.

Conclusion:

The role of a Management Contractor is indispensable in the successful execution of large and complex projects. By providing expert oversight, ensuring quality and safety, managing risks, and maintaining clear communication, the MC helps to deliver projects on time, within budget, and to the highest standards.

Management Contractor (M.C.)



SOFTWARE & Engineering Document Management System (EDMS):

EDMS 2.0 is designed by developers with backgrounds in engineering and petroleum industry. The system combines utility and usability to enable the users to perform their tasks fast and easily. Our system currently covers engineering, procurement, Inspection and Warehouse input processes.

1- Documents

The following documents are stored in the system:

MDL, Engineering Documents, Transmittal, Comment Sheet ,..

2- Workflows

Interdisciplinary check (IDC) workflow is implemented to gather comments from other departments before issuing document to client.

3- Reports

Dashboard: Progress, document's status, Client Delay in responding to documents, IDC Metrics

4- Planning

Project schedule is imported to system and departments will be informed of their activities start and due date.

5- Procurement

EDMS will handle documents created by vendors:

Vendor print index and schedule (VPIS)

Vendor Document

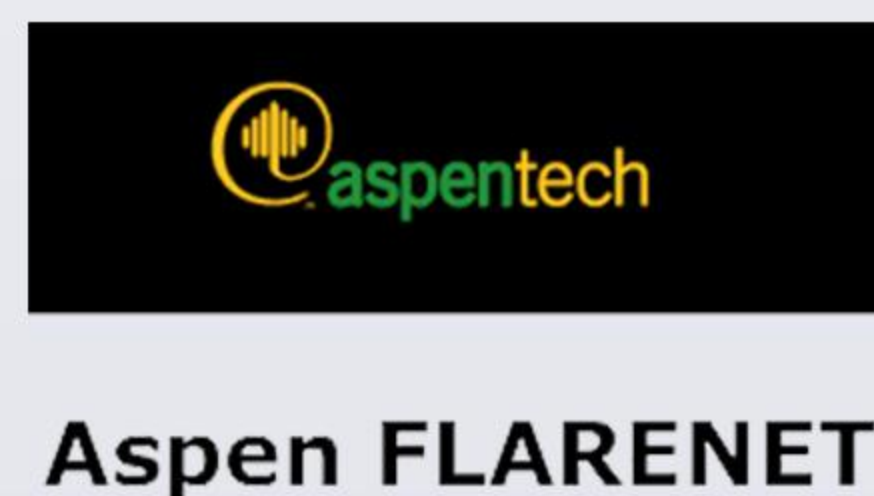
Transmittal

Material Management System (MMS) will handle after PO activities by storing the following information and documents:

Vendor List

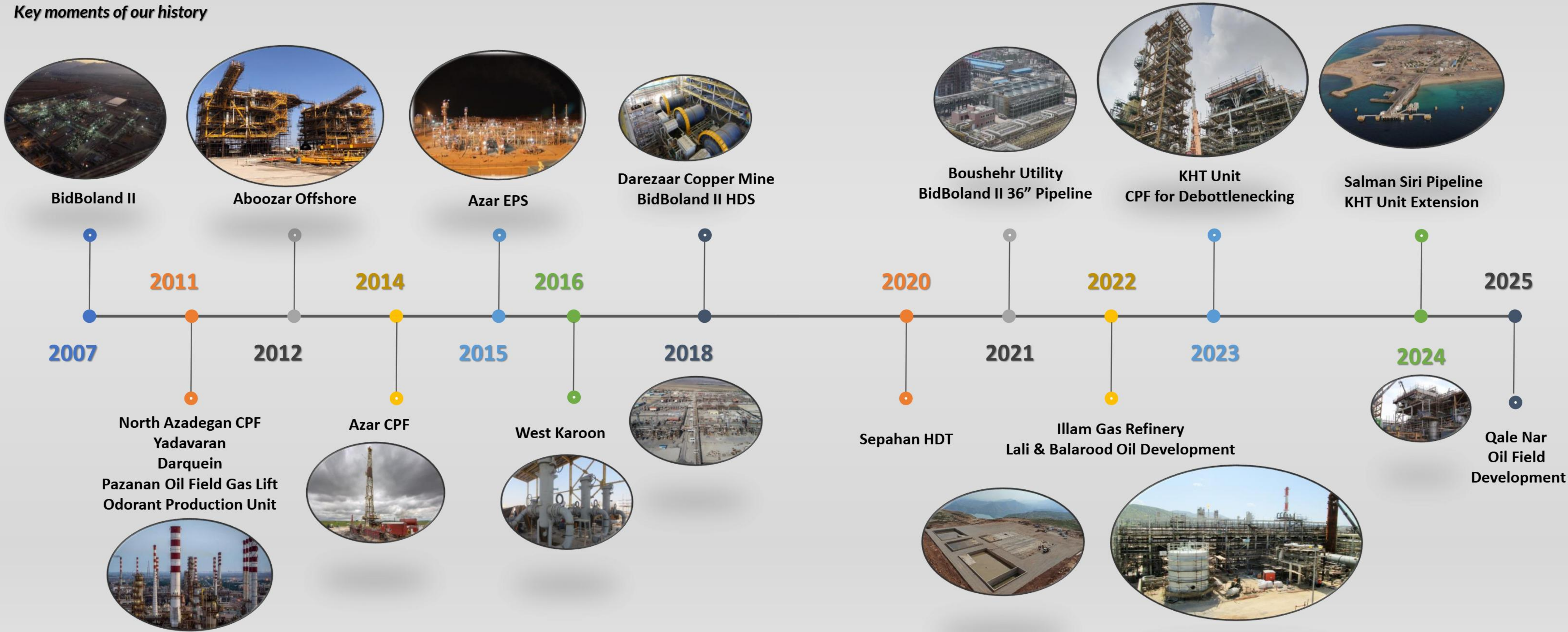
Purchase Order (PO)





PROJECT TIMELINE

Key moments of our history



Projects

Completed Projects

• Aboozar Oil Feild



- Azar EPS
- Yadavaran EPS
- Yadavaran CTEP
- Yadavaran Export Pipeline
- Pazanan Oil Field Gas Lift
- North Azadegan CPF
- West Karun Power Plant
- Odorant Production Unit
- BidBoland II Gas Refinery
- Bid Boland II (HDS Unit)
- Azar CPF
- Darezar Copper Mine
- KHT Unit Isfahan Oil Refinery
- Poly Aluminum Chloride unit



Azar Oil Feild (EPS)

Azar Oil Field Early Production System

Mehran, Ilam

The Azar oilfield is located within the Anaran exploration block in Ilam Province, along the Iran-Iraq border, with approximately one-third of its reserves situated in Iran and the remainder in the neighboring country.

This project encompasses the drilling of a total of 19 wells, alongside the design and construction of surface facilities, separation units, and transfer pipelines. The ultimate objective of the plan was to achieve a daily production capacity of 65,000 barrels of crude oil, of which 30,000 barrels were realized as part of the early production phase.

Owner: Petroleum Engineering and Development Co. (PEDEC)

Client: SarvakAzar Engineering &Development Co. (SAED)

EPC Contractor: JahanPars

Capacity: Early production system 30,000 BPD

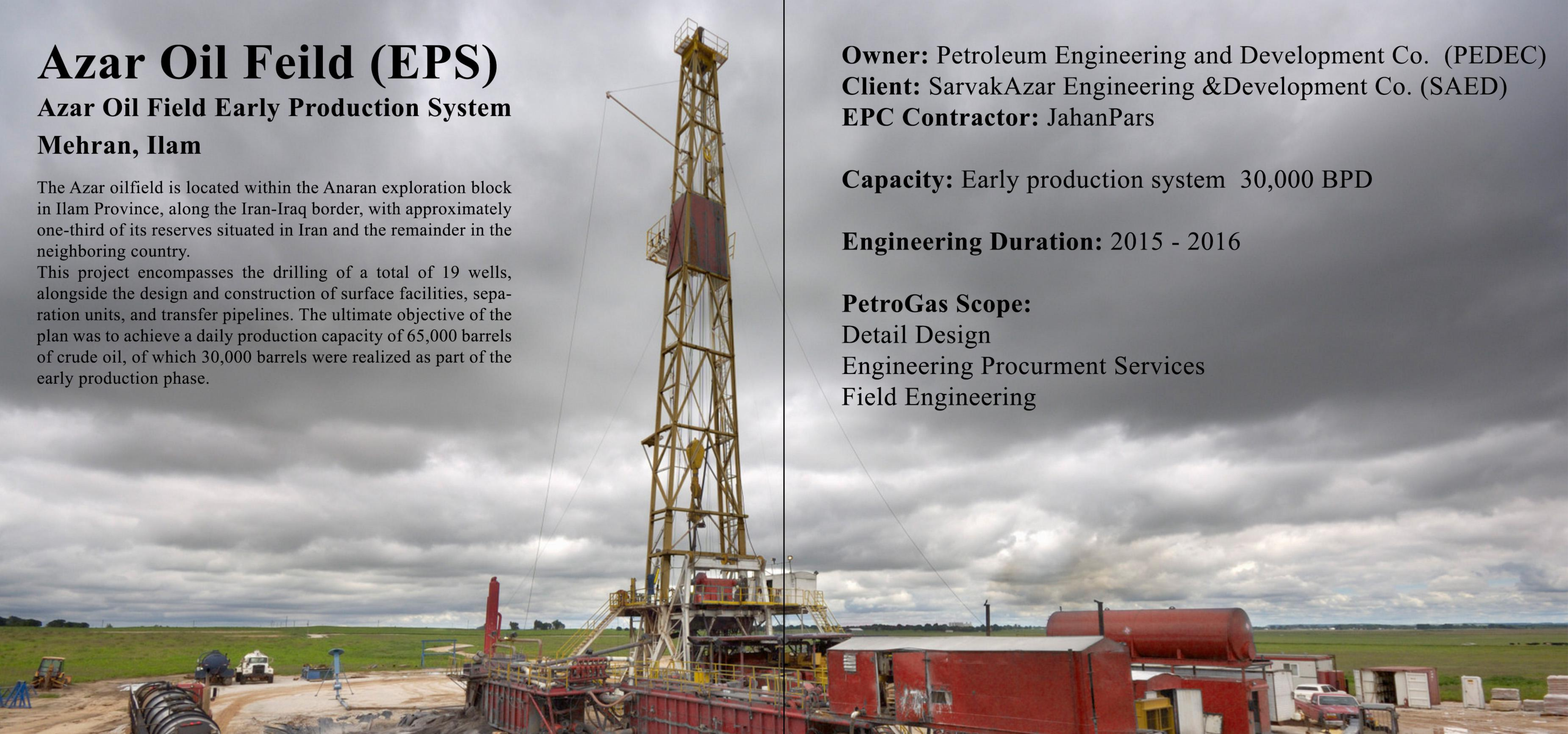
Engineering Duration: 2015 - 2016

PetroGas Scope:

Detail Design

Engineering Procurment Services

Field Engineering



Azar Oil Field (CPF)

Mehran, Ilam

Central Process Facilities

Owner: Petroleum Engineering and Development Co. (PEDEC)

Client: Sarvak Azar Engineering & Development Co. (SAED)

EPC Contractor: JahanPars

Capacity: 65,000 STBPD

Engineering Duration: 2014- 2018

PetroGas Scope:

Detail Design

Engineering Procurment Services

Technical Support of Field Engineering:

Oil Inlet Manifold & Product Export

Gas Compression & Dehydration Trains

Oil Separation Trains 1,2

Infrastructures andustrial Buildings



Yadavaran Oil Field (EPS)

Yadavaran Oil Field, Khuzestan

The Yadavaran Field is an oil field in Khuzestan, Iran. Discovered by the NIOC, it is made up of two former fields, Koushk (discovered in 2000) and Hosseinieh (discovered in 2002). After researchers discovered that the two fields were actually connected, the field was renamed as the Yadavaran Field. The field is estimated to have reserves of up to 17 billion barrels of oil, with 3 billion barrels considered to be recoverable.

Owner : Petroleum Engineering and Development Co. (PEDEC)

Client: China Petroleum & Chemical Corporation. (SINOPEC)

EPC Contractor: JahanPars

Engineering Duration: 2012 - 2014

PetroGas Scope:

Detail Design

Engineering Procurement Services

Field Engineering





• Yadavaran Oil Field

Yadavaran (CTEP)

Yadavaran Oil Field, Khozestan

Central Treatment Export Plant

Owner : Petroleum Engineering and Development Co. (PEDEC)

Client:China Petroleum & Chemical Corporation. (SINOPEC)

EPC Contractor: JahanPars

Engineering Duration: 2011- 2017

PetroGas Scope:

Detail Design

Engineering Procurment Services

Yadavaran Export Pipeline

Yadavaran Oil Field, Khozestan

Owner : *Petroleum Engineering and Development Co. (PEDEC)*

Client: *China Petroleum & Chemical Corporation. (SINOPEC)*

EPC Contractor: *JahanPars*

Engineering Duration: *2011- 2017*

PetroGas Scope:

Detail Design

Engineering Procurement Services

Four Oil Pipeline (150 km)

One Gas Pipeline (21.5 Km)





Pazanan Oil Field Gas Lift

Pazanan Oil Field, Khuzestan

Client: National Iranian South Oil Company (NISOC)

Engineering Duration: 2010 – 2014

PetroGas Scope:

Basic Design for 520 km Flow Line and Pipeline

*Basic Design for Gas Compressor Station Including
12 Compressors*

Basic Design for Revamping of 32 Wellhead Facilities

Basic Design for Desalting Plant Pazanan 1

Basic Design for Waste Water Plant Pazanan 1

Basic Design for Production Unit Pazanan 1

*Basic Design for Electrical Rooms and Power
Transmission Lines*

Owner : Petroleum Engineering & Development Co. (PEDEC)

Client: China Petroleum Engineering Co. Ltd. Beijing Co. (CPEBJ)

EPC Contractor: Consortium of JahanPars & Sazeh

The surface facilities include the construction of wellhead facilities, flow lines, crude oil production/desalting unit (CPF) of 75,000 BPD. capacity and transfer pipelines to pipe crude oil and gas produced at this field to Ahvaz

Duration: 2012 - 2014

PetroGas Scope:

Detail Design

Procurement Engineering Services

Manpower Supply For Engineering

North Azadegan (CPF)

North Azadegan Oil Field

Khuzestan, Ahwaz



Gas Delivery & Water Supply of West Karun Power Plant

West Karun, Khuzestan

Client: Petroleum Engineering and Development Company (PEDEC)

EPC Contractor: JahanPars

Engineering Duration: 2016 – 2020

PetroGas Scope:

Detail Design and Procurement Services of:

One Water Pipeline (23 km, 200mm)

One Gas Pipeline (3.5 km, 12")



Odorant Production Unit

Assaluyeh

The Odorant Unit is responsible for injecting a strong-smelling substance, such as mercaptan, into natural gas, which is inherently odorless. This allows any potential gas leaks to be easily detected by smell, thus playing a critical role in the safety of the gas distribution network. The unit typically comprises an odorant storage tank, injection system, and control equipment.

The first industrial-scale odorant production unit in Iran was commissioned in the summer of 2018 at the First Refinery of South Pars Gas Complex, located in Assaluyeh. With an annual production capacity of 800 tons, the unit was developed to meet domestic demand and reduce reliance on imports. It was designed by **Petrogas Jahan** and constructed by **Jahanpars** Company

Owner: Iranian Gas Engineering and Development Co. (IGEDC)

Duration: 2018– 2020

PetroGas Scope:

Detail Design

Procurement Engineering Services





Bid Boland II (HDS Unit)

North West of Behbahan, Khuzestan

Duty Specification for C4+ Hydrotreating (HDS Unit)

Owner: National Iranian Gas Company (NIGC)

Client: Persian Gulf Petrochemicals Industry Company (PGPIC)

EPC Contractor: Consortium of JahanPars & Sazeh

Duration: 2018- 2021

PetroGas Scope:

Basic Design

Detail Design

Engineering Procurement Services

Technical Support of Field Engineering

Darezaar Copper Mine

Kerman

Owner: National Iranian Copper Industries Co.

Client: Shargan Consultant Engineers Company

Copper Concentrator Plant For P80:75mic Output
By Consuming 10,800,000 TPY Copper Rock

EPC Contractor: JahanPars

Capacity: 65,000 STBPD

Engineering Duration: 2014- 2023

PetroGas Scope:

Manpower Supply in Engineering & Procurement
Services





Sepahan Base Oil Unit

Isfahan

Production of Technical White Oil (40,000 TPY) and Medicinal White Oil (10,000 TPY) using Light and Heavy Base Oil feedstock

***Owner: Sepahan Oil Company (SOC)
Engineering Duration: 2019– 2022***

***PetroGas Scope:
Basic Design
Detail Design
Procurement Engineering Services
Field Engineering***

KHT Unit

Isfahan Oil Refinery Co.

Owner: Isfahan Oil Refinery Company

Client: Exir Iranian Co.

EPC Contractor: JahanPars

Capacity: EORC 18,000 (BPD)

Engineering Duration: 2023- Present

Kerosene Hydrotreating Unit:

Sulfur- and nitrogen-bearing compounds are deleterious to the majority of catalysts employed in refining and petrochemical operations. These compounds not only pose environmental hazards but also form acidic species upon conversion, generating a corrosive environment that compromises equipment integrity and disrupts downstream processing. Consequently, the removal of such contaminants to the greatest extent possible is imperative.

The inaugural national Kerosene Hydrotreating (KHT) Project has been commissioned at Isfahan Refinery to elevate product quality in alignment with international environmental standards.

In this unit, hydrogen reacts with sulfur and nitrogen compounds under elevated temperature and pressure in the presence of a proprietary catalyst. Subsequent separation processes reduce the sulfur content in kerosene from ~3,000 ppm to <1 ppm, achieving ultra-low sulfur specifications.



Bushehr Utility & Offsite Bushehr

Owner: Bushehr Petrochemical Company (BUPC)
EPC Contractor: JahanPars

Scope of Work:

Security & Administration Building, Fire Station, Gas Station, CCR, Substation, Diesel Generators, Cooling Tower (for MEG, HDPE, Olefin Unit), Metering Station, Flare Lines

Engineering Duration: 2022 – Present

PetroGas Scope:

Basic Design

Detail Design

Procurement Engineering Services

Field Engineering



Poly Aluminum Chloride Unit

Ourmieh, West Azarbayjan

Polyaluminum chloride is an inorganic coagulant that forms stable compounds with many mineral and organic substances, and it holds an important position in the coagulant industry. One of the most significant coagulants is polyaluminum chloride, commonly known by the abbreviation PAC, which is also referred to as PAC powder.

Applications of this product include the purification of drinking water, wastewater and industrial effluent treatment, the pulp and paper industry, as well as urban and agricultural wastewater treatment

Client: Urmia Petrochemical Co.

EPC Contractor: JahanPars

Duration: 2022 - 2025

Capacity: 23,000 t/day

PetroGas Scope:

Detail Design

Engineering Procurment Services

Technical Support of Field Engineering





Current Projects...

1. Bushehr Utility & Offsite
2. Aboozar A20-A21 Platforms
3. Ilam Gas Refinery
4. Lali & Balarood Oil Field Development
5. CPF for Debottlenecking
6. KHT Unit Extension
7. Qale Nar Crude Oil Field Development

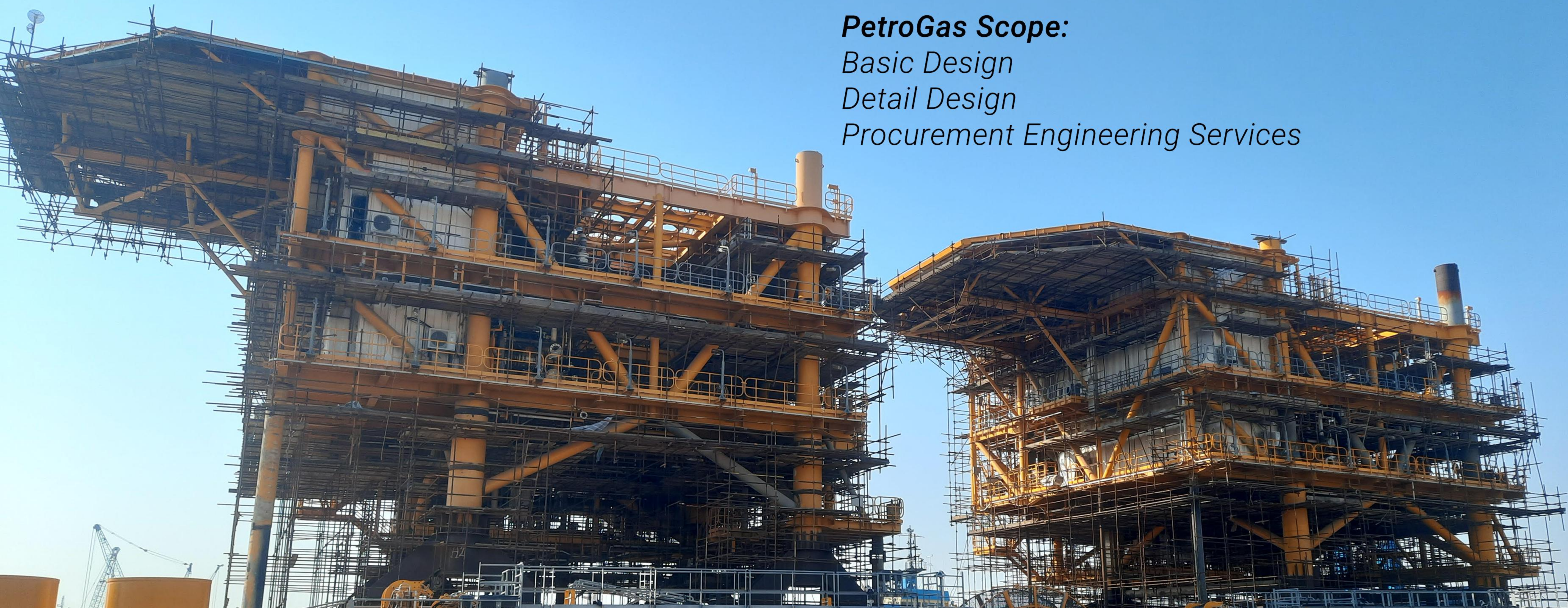


Aboozar A20-A21 Platforms

Offshore Persian Gulf

Clinet: *Iranian Offshore Oil Company (IOOC)*
EPC Contractor: *Consortium of JahanPars & DRG Oil*

PetroGas Scope:
Basic Design
Detail Design
Procurement Engineering Services





Ilam Gas Refinery (Phase II)

Ilam

Owner : Iranian Gas Engineering & Development Co

EPC Contractor: JahanPars

Capacity : 3.4 MCM per Day

Engineering Duration: 2022 – Present

PetroGas Scope:

Detail Design

Engineering Procurment Services

Unit 100- stabilization

Unit 200- Gas Sweetening

Unit 300- Compressor

Unit 400 & 500- Sulphur Recovery

Lali - Bangestan Oil Field Development

Lali, Khuzestan

Owner : National Iranian South Oil Company

EPC Contractor: JahanPars

Duration : 2022 - Present

Scope of Work:

Drilling / well head Facilities Flowlines

Engineering : Petrogas jahan

Procurement & Construction: JahanPars

Drilling: National Iranian Drilling Co.

PetroGas Scope:

Detail Design

Engineering Procurement Services

Technical Support of Field Engineering



Debottlenecking for Desalination Unit

Ilam Province

Owner: ZN Vostok Co.

EPC Contractor: JahanPars Co.

Engineering Duration: 2023– Present

A new desalting unit with increase of total capacity from 60,000 BOPD to 180,000 BOPD and extension in CPF unit including all required interconnections

PetroGas Scope:

Detail Design

Procurement Engineering Services



Salman Siri Pipeline

offshore Persian Gulf

*Construction of 30-inch submarine Pipeline from
Salman to Siri - 147 Km*

Owner: Iranian Offshore Oil Company. (IOOC)

EPC Contractor: JahanPars

Duration: 2024– Present

PetroGas Scope:

Detail Design

Procurement Engineering Services



KHT Unit Extension

Isfahan Oil Refinery Co.

Increase the capacity of the KHT unit up to 31000 BPD

Engineering Duration: 2024 - Present

PetroGas Scope:

Feasibility Study

Basic Engineering

Engineering Procurment Services





- Skidmounted Desalination Unit
- Khuzestan - Andimeshk, Balarood

Qaleh Nar Oil Field Development

The Skid-Mounted Oil Processing Unit (SOPU) project at the Ghalet-Nar, Kaboud, and Belaroud fields is an 11-year BOO (Build-Own-Operate) contract signed in 2024 between OGDC and the National Iranian Oil Company (NIOC). These units are designed for the primary treatment of crude oil by removing impurities such as water, associated gases, H₂S, and salts to prevent corrosion of facilities and ensure the crude meets export specifications. This process enables the crude oil to be further refined into higher-value products at downstream refineries.

Cleint: MAPNA Gas & Oil Co.

Engineering Duration: 2025- Present

PetroGas Scope:
Conceptual Study
Basic Engineering
FEED
Detail Engineering
Engineering Procurment Services

CLIENTS





***DELIVER OUR PROMISES
ALWAYS***



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