



Pezhvak Energy

Engineering & Services Co.

Unstoppable Minds,
Conquering Depths



About Us

Our journey began in 2004 when PECO was established as one of the PEDC subsidiaries with the aim of providing logistics for offshore and onshore drilling operations. In 2017, the Company changed its mission to award integrated projects. Over the years, we have proceeded as a contractor to execute integrated projects including engineering services, procurement, drilling operations and technical services (EPDS). Deploying our onshore drilling rigs, we are delivering numerous highly efficient projects in exploration, development and production of oil and gas fields through our comprehensive knowledge, experience and highly competent human resources, taking into account the employee health and preserving the environment. PECO was established as a reliable and professional company in the Iranian drilling market within a short period of time since the start of its activities in the field and strive to expand its services beyond the borders.





Providing integrated services of project management, engineering, procurement, and drilling onshore and offshore oil and gas projects (EPDS)

Providing integrated drilling services/ integrated oil and gas production services. (IDS/IPS)

Providing drilling optimization services

Services

Designing, engineering, procurement, construction and commissioning of oil and gas facilities (EPC)



Elements of Strategic Planning in PECO

Our vision

- To position ourselves as an excellent and innovative leading contractor focused on the execution of oil and gas drilling projects.

Our Mission

- As a private leading company in the oil and gas industry relying on expert human resources and benefiting from knowledge and new technologies, our mission is to: Create value for our shareholders and stakeholders
- Provide integrated project management and selected engineering services to our clients.
- Address our social and environmental responsibilities throughout our operations.



01

Resilience and Adaptability for Change and Innovation
improving efficiency is a constant process for us, and to achieve this we are not only looking for the best innovations, but also welcome all creative and different ideas and solutions.
Change makes us stronger.

02

Courage in Competition and Business Development:

We are courageously seeking for the best business opportunities and we believe that healthy and professional competition makes us stronger.

**Our
Values**

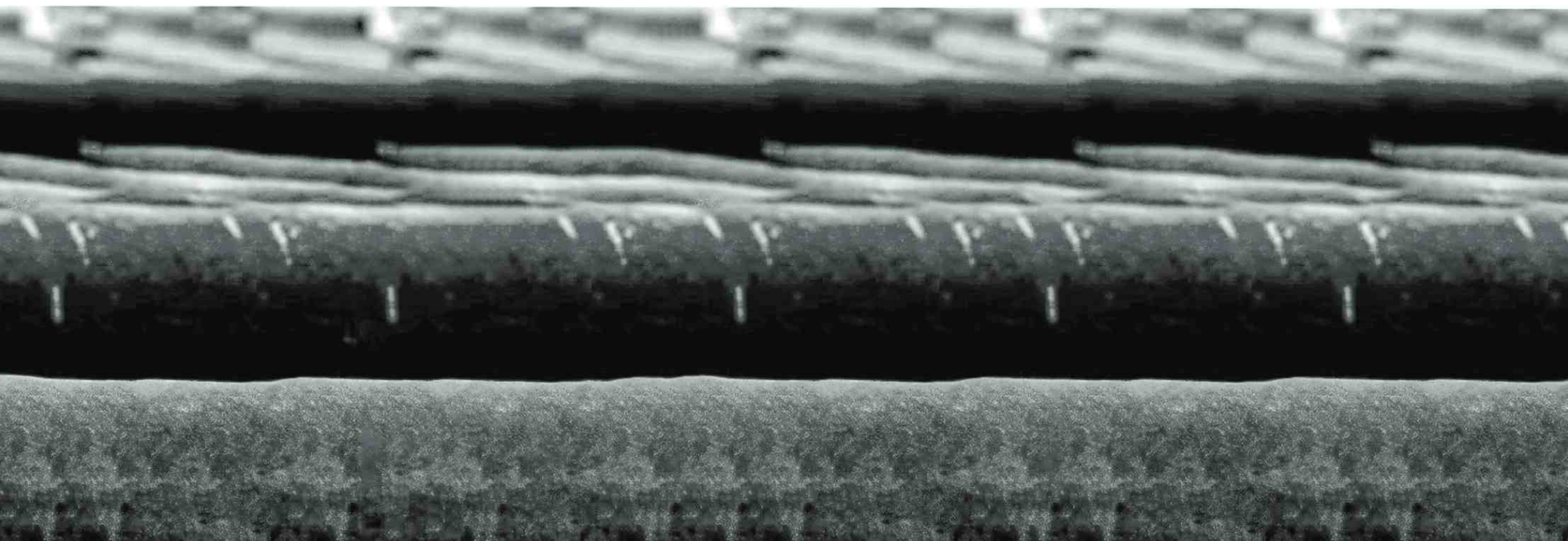
Commitment to Excellence in Quality, Sustainable Development, and Employee Safety:

We are committed to doing the right thing in all areas, including safety, quality and productivity and also the environment. For us, the implementation of each project is a stage that leaves a lasting impression of our capabilities and commitment.

03

Responsibility and Accountability:

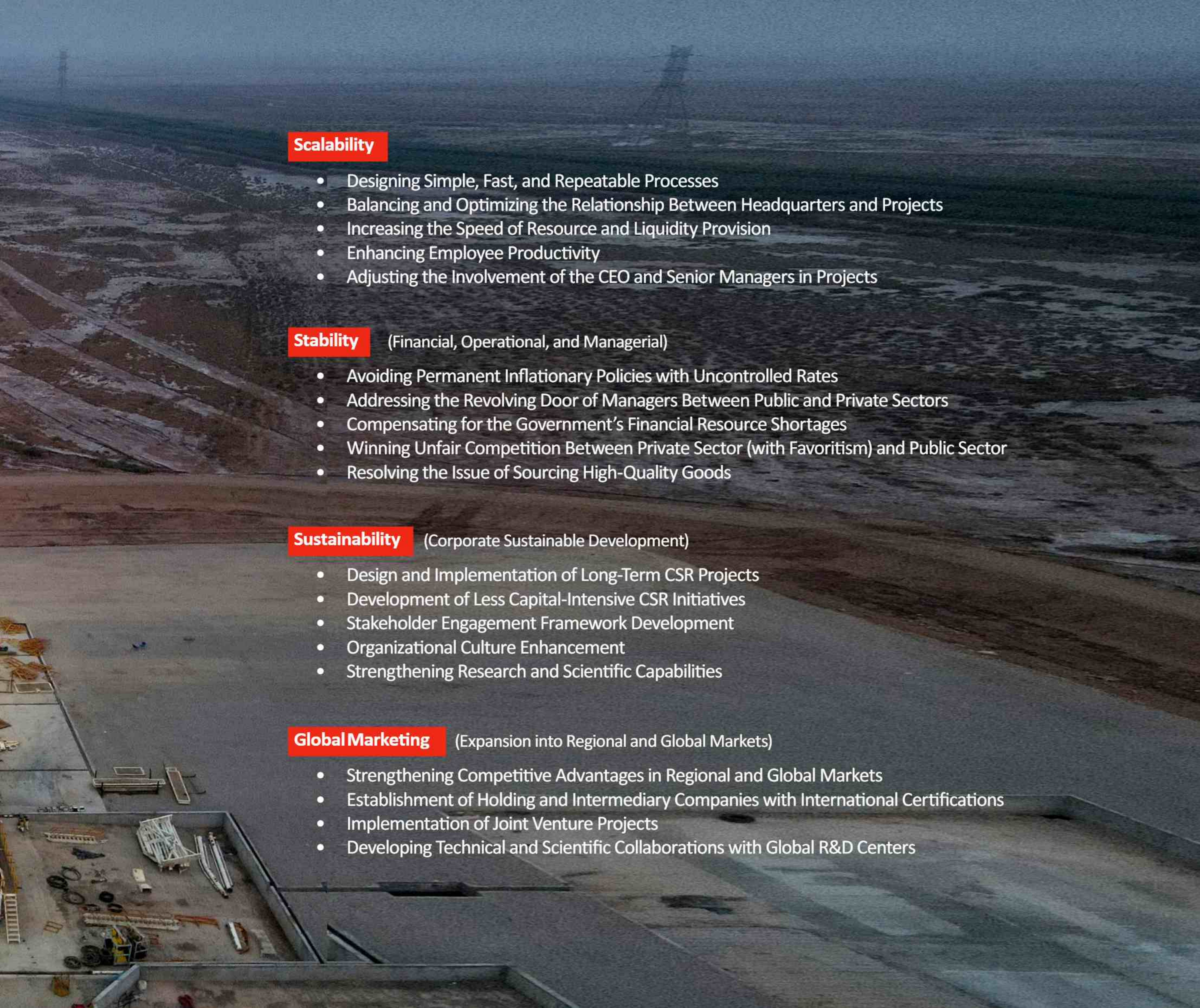
We will use all our determination to fulfill our commitments. Gaining the trust of all stakeholders and interacting effectively with them is our priority.

04



Core Strategies

PASARGAD 31



Scalability

- Designing Simple, Fast, and Repeatable Processes
- Balancing and Optimizing the Relationship Between Headquarters and Projects
- Increasing the Speed of Resource and Liquidity Provision
- Enhancing Employee Productivity
- Adjusting the Involvement of the CEO and Senior Managers in Projects

Stability (Financial, Operational, and Managerial)

- Avoiding Permanent Inflationary Policies with Uncontrolled Rates
- Addressing the Revolving Door of Managers Between Public and Private Sectors
- Compensating for the Government's Financial Resource Shortages
- Winning Unfair Competition Between Private Sector (with Favoritism) and Public Sector
- Resolving the Issue of Sourcing High-Quality Goods

Sustainability (Corporate Sustainable Development)

- Design and Implementation of Long-Term CSR Projects
- Development of Less Capital-Intensive CSR Initiatives
- Stakeholder Engagement Framework Development
- Organizational Culture Enhancement
- Strengthening Research and Scientific Capabilities

Global Marketing (Expansion into Regional and Global Markets)

- Strengthening Competitive Advantages in Regional and Global Markets
- Establishment of Holding and Intermediary Companies with International Certifications
- Implementation of Joint Venture Projects
- Developing Technical and Scientific Collaborations with Global R&D Centers

2004

■ Establishment

■ Changing the PECO's mission
to the contracting company

2018

■ Increasing the production of the
south pars field project
The project client: Pars Oil and
Gas Company

2018

■ Sepehr-Jufair oil field
development project (EPDS-1)
The Main Client: Petroleum Engineering
and Development Company(PEDEC)
The Project Client: Pasargad Energy
Development Company

2018

Timeline

2020

Siahmakan oil field development project
The Main Client: National Iranian South Oil Company
The Project Client: Pasargad Energy Development Company

2021

■ **Darquin oil field drilling and workovering project**
The Main Client: Arvandan Oil and Gas Company
The Project Client: Ostovan Kish Drilling Company

2022

Qezel Tappeh gas field assessment project (HP-HT)
The project client: Exploration Directorate of NIOC

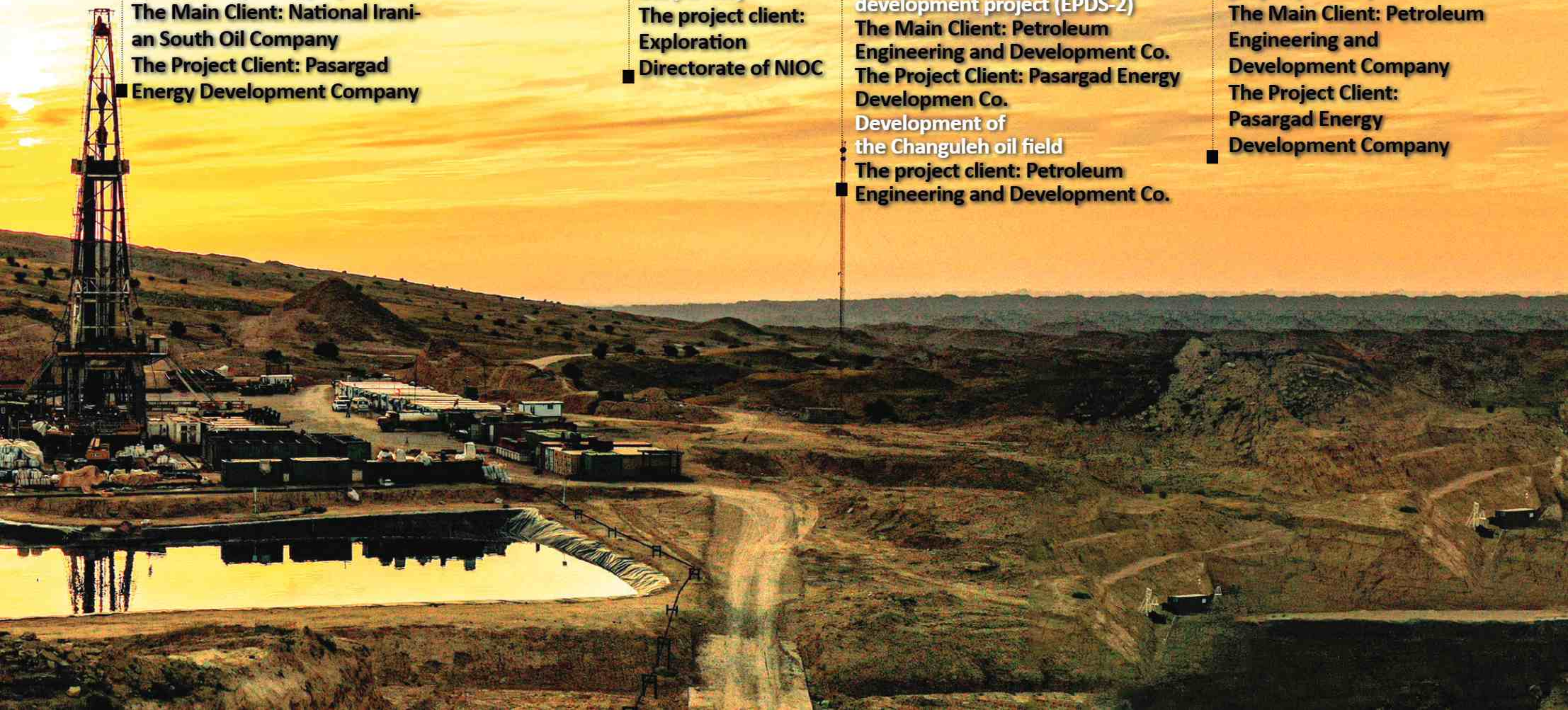
2023

■ **Sepehr-Jufair oil field development project (EPDS-2)**
The Main Client: Petroleum Engineering and Development Co.
The Project Client: Pasargad Energy Development Co.
Development of the Changuleh oil field
The project client: Petroleum Engineering and Development Co.

■ **Drilling of 9 Infill well in South Pars Gas Filed**
The Main Client: Pars Oil and Gas Company
The Project Client: Pasargad Energy Development Company

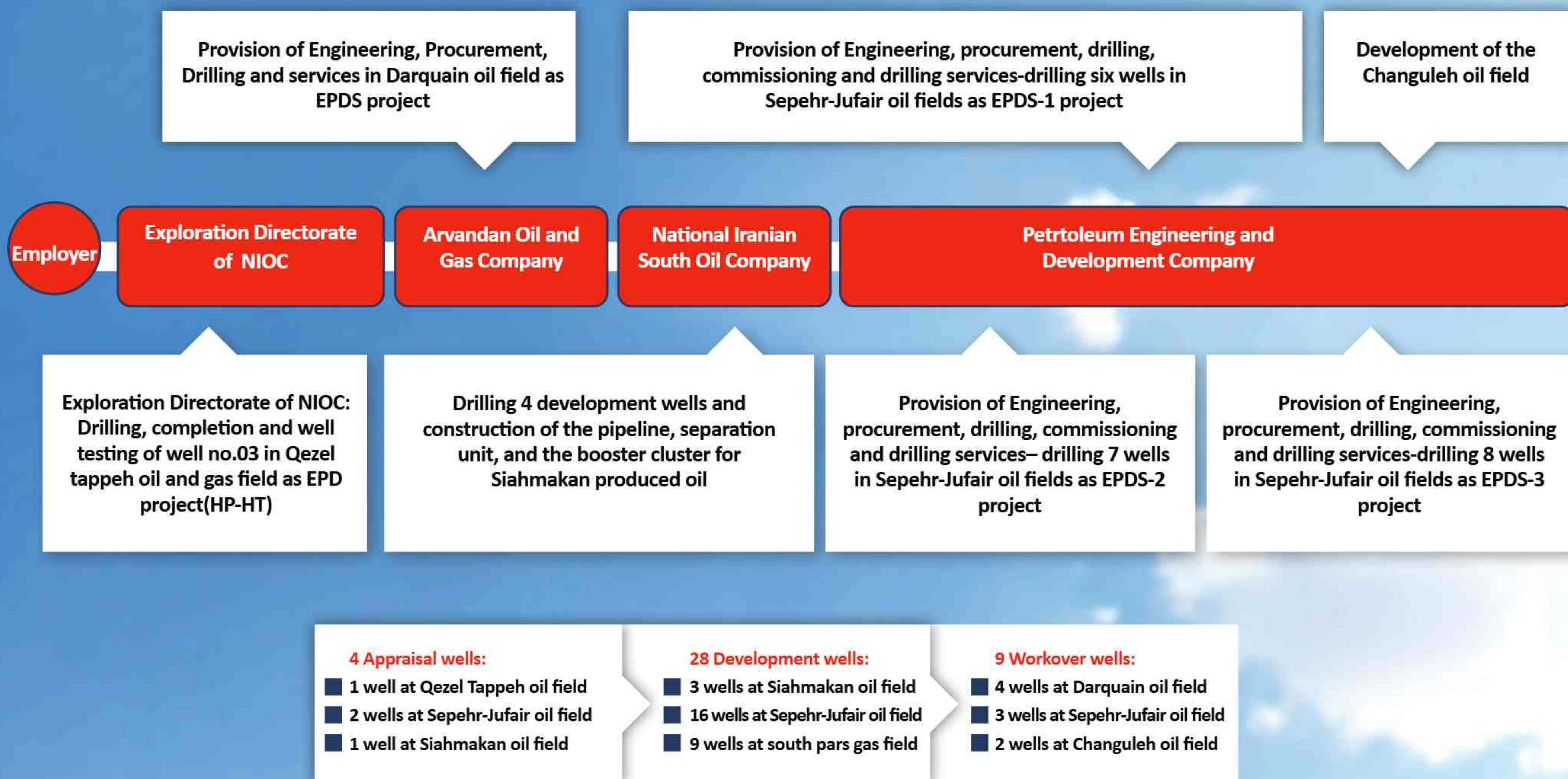
2024

■ **Sepehr-Jufair oil field development project (EPDS-3)**
The Main Client: Petroleum Engineering and Development Company
The Project Client: Pasargad Energy Development Company





PECO's performance in onshore and offshore projects, installation and commissioning gas facilities at a glance



more drilling of oil and

Increasing the production
capacity project of the South Pars
Gas Company

Pars Oil
and Gas Company

Drilling of 9 Infill well in South
Pars Gas Filed





PECO

22m

9.34

H

22m

12

Increasing the production capacity project of the

South Pars Gas Company



PECO was in charge of provision of project management, financial management, procurement and warehousing, some technical and engineering services, and all logistics and support in the project.

The client: Pars Oil and Gas Company

Project location: phases 2,3,4 and 5 south pars field

Contract type: Partnership with the consortium of Pasargad Energy Development and Ostovan Kish Drilling Companies

Delivery statues: delivered

Siahmakan oil field development project

Contract content: Drilling 4 wells as EPD and installation and commissioning of pipelines, separation unit, and the booster cluster for Siahmakan produced oil with the capacity of 10,000 barrels per day

The Main Client: National Iranian South Oil Company

The Project Client: Pasargad Energy Development Company

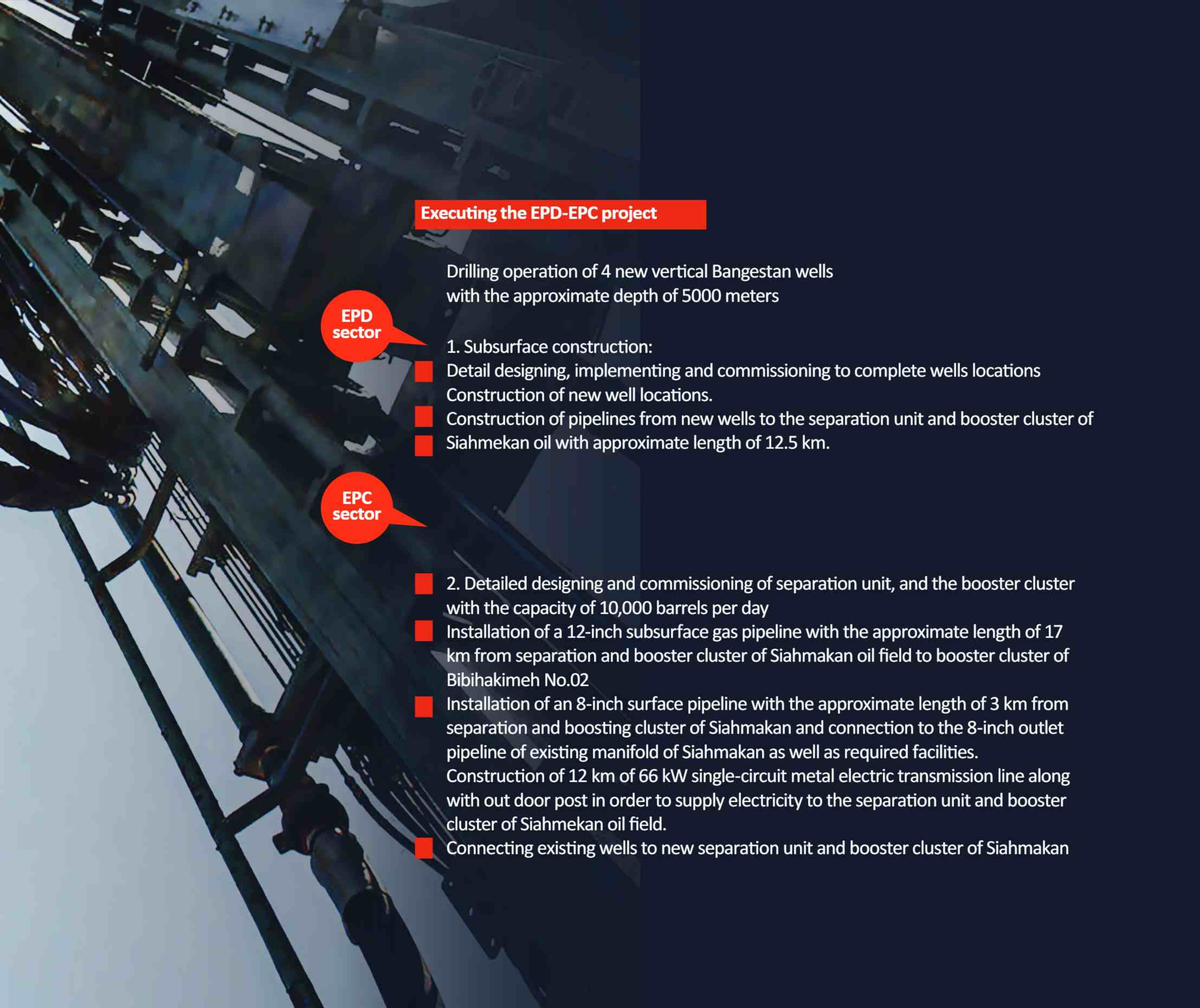
Project location : 10km south of Bibi Hakimeh and west of Kilverkarim oil field

Contract type: EPCDS

The main achievements of Siahmakan oil field project

- Successful drilling and completion of three Bangestan new wells despite of having depth about 5000 meters, complicated technical issues and wellbore instability
- Setting a record of finishing drilling operation of 8 8/3 in hole section Siahmakan No. 8 well in less than 20 days, while average duration of drilling operation in this hole in previous wells was 114 days.
- Using new technologies in lost circulation control and prevention of several thousand barrels of mud loss





Executing the EPD-EPC project

EPD sector

Drilling operation of 4 new vertical Bangestan wells with the approximate depth of 5000 meters

1. Subsurface construction:

- Detail designing, implementing and commissioning to complete wells locations
- Construction of new well locations.
- Construction of pipelines from new wells to the separation unit and booster cluster of Siahmekan oil with approximate length of 12.5 km.

EPC sector

- 2. Detailed designing and commissioning of separation unit, and the booster cluster with the capacity of 10,000 barrels per day
- Installation of a 12-inch subsurface gas pipeline with the approximate length of 17 km from separation and booster cluster of Siahmekan oil field to booster cluster of Bibihakimeh No.02
- Installation of an 8-inch surface pipeline with the approximate length of 3 km from separation and boosting cluster of Siahmekan and connection to the 8-inch outlet pipeline of existing manifold of Siahmekan as well as required facilities.
- Construction of 12 km of 66 kW single-circuit metal electric transmission line along with out door post in order to supply electricity to the separation unit and booster cluster of Siahmekan oil field.
- Connecting existing wells to new separation unit and booster cluster of Siahmekan

Sepehr-Jufair oil field development project (EPDS-1)

Contract content:

Providing engineering, procurement, drilling operation and services as well as commissioning of other services/ drilling six Fahlian production wells in Sepehr-Jufair oil field as EPDS.

The Main Client: Petroleum Engineering and Development Company (PEDEC)

The Project Client: Pasargad Exploration and Production

Project location: 60 km west of Ahvaz and 30km south of Susangerd, khozestan province

The contract type: EPDS

The complete implementation of the EPDS is as follows:

- Providing engineering, procurement, drilling operation, well completion, well testing and stimulation and all drilling services (EPDS) of 6 Fahlian production wells with pressure of 10000 kPa by using four 2000 HP rigs
- Sepehr No.02 and No.09 are delineation wells and Sepehr No.03 , 06, 08 and Joufair 07 are production wells. The drilling depth of every well is approximately 4650 meters and 27900 meters collectively.

The main achievements of Sepehr-Jufair oil field project

- The continuous improvement of drilling efficiency and setting the best drilling time record among all drilled wells by different contractors in this field from the beginning of the project until now.
- Success in the manufacturing and running completion string with 10,000 Psi working pressure with the meticulous design and strict supervision of PECO on the relevant contractor company.
- Adherence to all safety and environmental standards resulting in record of 1011 working days without incident leading to LTI (from the beginning of the project until completion)
- Designing and implementing an innovative composition of completion fluid resulting in cost reduction of project

Sepehr-Jufair oil field development project (EPDS-2)

Contract content:

Engineering, procurement, drilling, completion, well testing, stimulation and all associated services EPDS contract for new Ilam wells and 3 workover wells in Sepehr-Jufair field

The Main Client: Petroleum Engineering and Development Company (PEDEC)

The Project Client: Pasargad Exploration and Production

Project location: 60 km west of Ahvaz and 30km south of Susangerd, khozestan province

The contract type: EPDS

Project description:

4 New Ilam wells and 3 workover wells in Sepehr-Jufair Field

Sepehr-Jufair oil field development project (EPDS-3)

Contract content:

Engineering, procurement, drilling, completion, well testing, stimulation and all associated services EPDS contract for 8 new Fahlian wells in Sepehr-Jufair field as EPDS.

The Main Client: Petroleum Engineering and Development Company (PEDEC)

The Project Client: Pasargad Exploration and Production

Project location: 60 km west of Ahvaz and 30km south of susangerd, khozestan province

The contract type: EPDS

Project description:

8 new Fahlian wells in Sepehr-Jufair Field





Darquin oil field drilling and workovering project



Contract content:

Contract content: Provision of engineering, procurement, drilling and services of 4 workover well in Darquain field (EPDS)

The Main Client: Arvandan Oil and Gas Company

The Project Client: Ostovan Kish Drilling Company.

Project location: 30 kilometers north of Khorramshahr and 100 kilometers southwest of Ahvaz, Khuzestan province

The contract type: EPDS

EPD sector

The main purpose is to perform work over and completion of existing wells to produce from Fahlian formation for maintaining of production rate of Darquain field (darkhion 8, 9, 11) and waste water injection to Asmari formation in Darquain well No.2

EPC sector

- Executing comprehensive EPDS project as follows:
- Improvement of access road to all wells
- Repair and improvement of pits in all wells
- Development and improvement of concrete pads in all wells
- Construction and repair of burn pit in all existing wells

The main achievements of Sepehr-Jufair oil field project

Successful implementation of triple casing perforation for the first time in Iran



Drilling of 9 Infill wells in South Pars Gas Filed as EPDS project

Contract content:

Drilling of 9 Infill wells in South Pars Gas Filed as EPDS project
(SPD3, SPD19A, SPD20 and SPD7 platforms)

The Main Client: Pars Oil and Gas Company

Project location: 100 km south-west of Assaluyeh

The contract type: EPDS

Project description:

- Drilling of 9 infill wells in 4 offshore platforms
- Installation of drilled wells to the production platform



Development of the Changuleh oil field

Contract content:

Study, engineering, procurement, installation and workover, completion, well testing and production of 2 wells in Changuleh oil field

The Main Client: Petroleum Engineering and Development Company (PEDEC)

Project location: 35 kilometers southeast of the city of Mehran, Ilam province

The contract type: EPDS

Project description:

- repair and completion operations of 2 wells in Changuleh oil field
- Testing and commissioning operations of 2 wells in the Changuleh oil field

Qezel Tappeh gas field assessment project (HP-HT)

Contract content:

Assessment of Qezel Tappeh oil field well No.03

The Project client: Exploration Directorate of NIOC

Project location: 20 km northwest of Gonbad-e kavus county, Golestan province

The contract field: provision of Engineering, procurement, drilling and services

Project type: EPDS

The project description: Drilling to the depth of 5000 meters with the pressure of 15k and temperature of 320 ° F



PECO assets

- A 3000 HP onshore drilling rig
- Three 2000 HP onshore drilling rigs
- The open support yard in Ahvaz covers an area of 60810 square meters
- The closed support yard in Ahvaz covers an area of 2240 square meters
- The open support yard in Kish covers an area of 12,000 square meters
- The closed support yard in Kish covers an area of 600 square meters





Qezel Tappeh gas field assessment project (HP-HT)

Golestan

Development of the Changuleh oil field

Ilam

Sepehr-Jufair oil field development project (EPDS1,2 and 3)

Ahwaz

Darquin oil field drilling and workover project

Siahmakan oil field development project

Bushehr

Drilling of 9 Infill wells in South Pars Gas Filed as EPDS project

Increasing the production capacity project of the South Pars Gas Company

Pars Special Economic Zone

Asaluyeh



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