



Pars Kayhan

(PJS)

2018

Experience, Expertise, Excellence



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# Top Grade EPC contractor in IRAN





NEVER STOP PEDALING  
TO POWER YOUR DREAMS





## History



Founded in 1991, Pars Kayhan is a private engineering and construction company providing **Design, Engineering, Procurement and Construction Services** in the fields of Oil, Gas, Petrochemical, Refinery and Power.

Today we can take care of every aspect of a project from its initial concept to techno-economic studies, front - end and detailed design, upgrades and optimization plans, hazard and risk analysis , procurement , project management, Construction and site supervision. We boast the full set of ISO certifications, a tangible sign that both quality and safety are top priorities in everything we do. Reinforcing our vast technical base is our multi disciplinary expertise and capability in diverse fields including Oil, Gas, Petrochemicals, buildings, power and water.

We build long-term relationships with our clients, focusing on bringing every assignment to a successful completion, on time and to budget. Whether direct contracts, frame service contracts or EPC, EPCM and PMC contracts we use QA, HSE, QRA, Risk assessment, continuous improvement and sustainability protocols and processes to deliver excellence to our clients.

## MISSION

■ We are committed to...

Delivering projects safely, timely, and economically with high quality.

Developing the skills and knowledge of our employees in a friendly and cooperative working environment.

Providing opportunities for people in the region of project execution to increase their life quality.

## VISION

- To be a socially responsible company which benefits all stakeholders, from company shareholders to employees, from clients to local people.







## CEO Message

Pars Kayhan means commitment to project execution and satisfaction of the customers. Improvement and leadership is defined to Pars Kayhan since we started our activities with small industrial projects till completing national large-scale oil and energy projects.

We believe that, just like developing a leading-edge products, building a sustainable company is something that needs care and hard work.

To be a pioneer, by our successful quarter century experience we have learnt how to be agile and flexible while growing ourselves. We are proud of Making experienced professionals and project managers of graduated engineers to carry out our social responsibilities.

Going forward, Pars Kayhan will continue deploying its capabilities, industry-leading human resources, and commitment to change and challenge in the execution of the projects beyond Iran.

CEO  
Mohammad Halvaei



Mohammad Halvaei  
Chairman



# at a Glance

## Fields

## Services

### Oil, Gas & Petrochemicals

- Oil & Gas Facilities and Pipelines
- Terminal & Storage Facilities
- Treatment and Process plants
- Gas / condensate and oil production
- Refinery and Petrochemical complexes
- Wellhead Facilities

### Power Generation & Distribution

- Single & Combined Cycle Power Plant
- Boiler plant, steam turbine and desalination
- Overhead lines / Cables / substations up to 400kv

### Infrastructure

- Urban Facilities
- Building complexes
- Road and railways
- Energy distribution facilities

### Water

- Potable Water treatment
- Wastewater collection and treatment
- Desalination
- Oily Water treatment

### Project Management

- Requirements management
- Stakeholder coordination
- Project planning
- Risk management
- Earn value management
- Construction supervision
- Safety management

### Fabrication & Construction

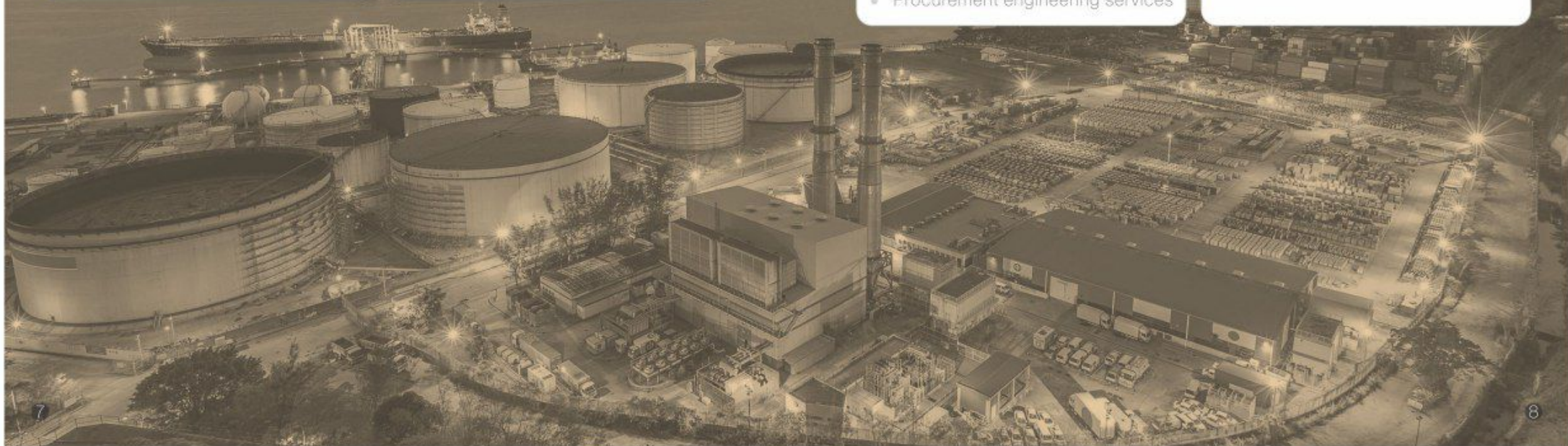
- Shop Designs
- Pre-fabrication and onsite construction
- Plate & Structure Fabrication Shops
- Pipeline Fabrication Shops
- Storage Tanks Fabrication Shops
- Test & Commissioning
- Maintenance

### Feed & Detailed Design

- Design review
- Basic & detail design
- Providing technologies and licenses
- Modification and rehabilitation engineering
- Procurement engineering services

### Commercial Management

- Quantity surveying
- Estimating, cost planning
- Contract management and administration
- Supply special material





We provide multi-disciplined engineering services including conceptual engineering, front - end engineering, detailed engineering and procurement, construction, commissioning, and start-up support services as needed.

Industries serviced include oil and gas, power generation and distribution, refining and petrochemicals.

### Pars Kayhan offers variety of services includes:

- Design review
- Basic & detail design
- Feed Engineering
- Providing technologies and licenses
- Project management
- Technical consultancy and supervision services
- Modification and rehabilitation engineering
- Revamping & upgrading of existing plants
- Procurement engineering services
- Technical Training







Pars Kayhan has access to powerful and mobilized yards to provide fabrication solutions to Clients' huge projects. With the knowledge gained by self-performing fabrication, Pars Kayhan can effectively manage third parties to meet fabrication standards on projects in diverse industries.

We provide our Clients with the flexibility of offsite fabrication and the proven expertise to deliver the cost and compressed schedule benefits of modular construction for their huge projects. Self-perform fabrication yards may be adjacent to the site or at remote locations, reducing onsite craft densities and shifting work to inherently safer and more controlled work environments. Remote locations may offer cost and schedule advantages.



Pars Kayhan supplies Clients with execution services for all project phases; with experts in field construction execution. We provide feed into construction scope, to optimize construction activities and to offer cost saving suggestions during all project phases.

Pars Kayhan provides construction project management services using proven technologies, systems and work processes to offers optimal results for Clients.

Moving towards the start of actual construction, we create more detailed plans, select appropriate subcontractors, and begin practical measures such as hiring necessary staff. Assembling thousands of workers and thousands of tons of materials, we use control systems to ensure we stay on schedule at maximum performance. Pars Kayhan has done his best to deliver complex and challenging construction projects, on-time and within budget.

- Shop Designs
- Plate & Structure Fabrication Shops
- Spool fabrication
- Risk assessment
- Design optimization
- Pre-fabrication and onsite construction
- Test & Commissioning
- Operation
- Maintenance







Pars Kayhan's specialist project management services embrace every facet and every phase of delivery.

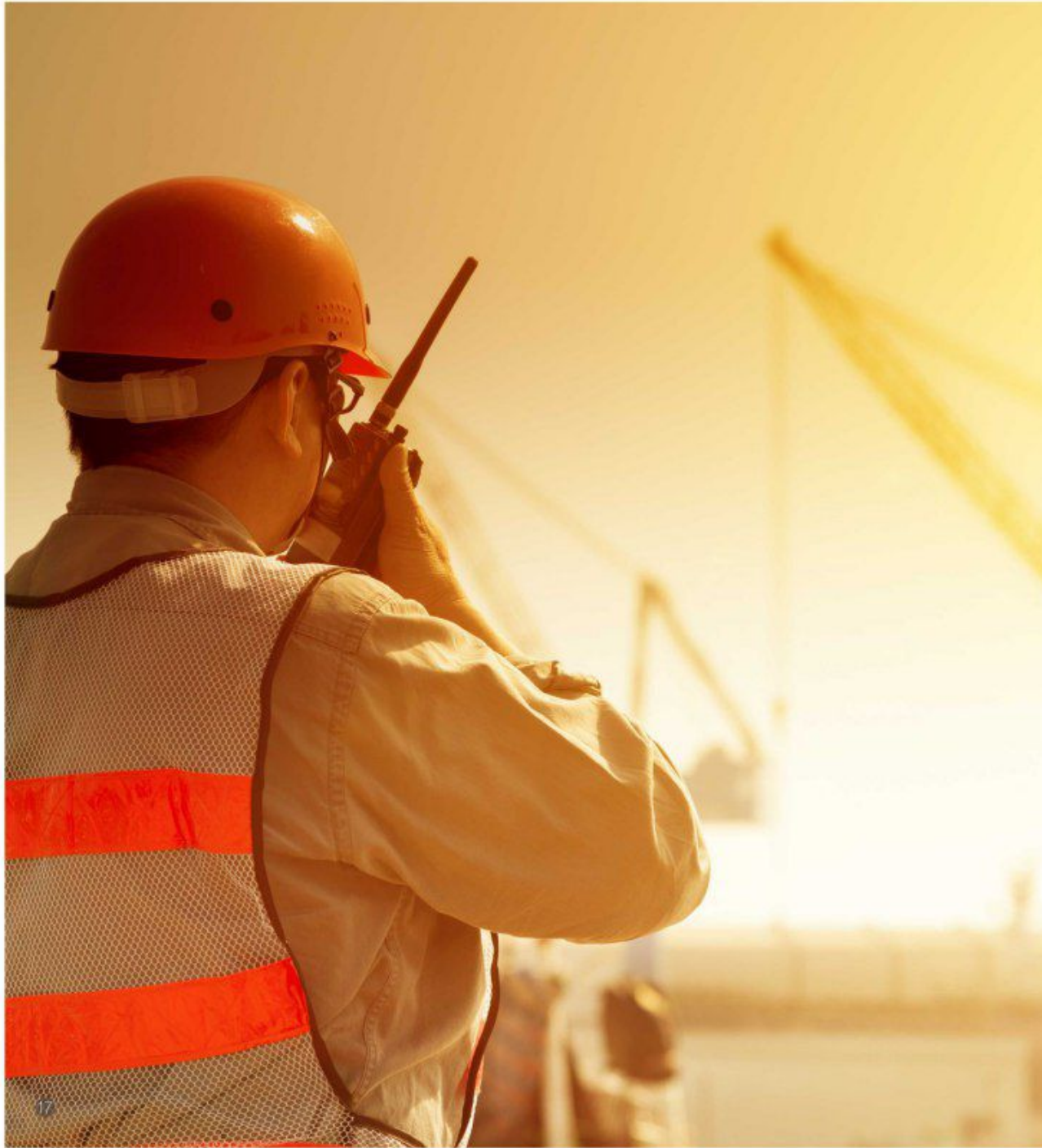
We drive the whole process taking care of everything from preparing the brief, analyzing and advising on risk and associated issues, to helping appoint the project team, briefing them fully, agreeing on and issuing specific procedures and managing development of phased programs.

Our focus on client's real needs enables us to bring their plans and projects to fruition, helping them achieve their business objectives. We can provide you with all the services you need, backed by our Group wide resources.

We specialize in the development and administration of construction contracts and cost management services to the Oil, Gas, Petrochemical and power sectors. We are able to benchmark costs and provide assurance that value for money is being achieved. Our cost management services are supported by structural, civil and geotechnical services.

- Requirements management
- Stakeholder coordination
- Scope definition and change control
- Value management
- Project planning
- Design management
- Risk management
- Earn value management
- Project assurance and monitoring
- Construction supervision
- Safety management





# SAFETY FIRST

The safety and health of people, of local communities and partners are a top priority for Pars kayhan.

Pars kayhan conducts its activities in accordance with all international agreements regulations, standards and conventions and all national laws and policies safeguarding the health and safety of workers and follows principle of planning, prevention, protection and continuous improvement, investing all levels of the company with responsibility.

We have developed a comprehensive HSE management System that meets the requirements of all applicable laws and is certified to international standards ISO 14001 and OHSAS 18001.

Pars Kayhan's HSE risk management is based upon the principles of prevention, protection, awareness, promotion and participation. Its aim is to ensure the health and safety of workers and to protect the environment and the public's general welfare.



## Being Green is Awesome

Pars Kayhan recognizes that construction operations may have a damaging impact upon the environment and therefore ensure that all construction activities are carried out in such a manner to comply high standard of environmental protection and awareness.

We are committed to the protection and enhancement of the environment. It takes a close and responsible interest in, and considers and respects the physical, economic and social environments on all projects in which is involved.

We aim to contribute towards environmental improvement and sustainable development by using best practice and innovation to minimize environmental impacts which are assessed at every stage of the business process in consultation with organizations working on behalf of Pars Kayhan including designers, contractors etc. to develop agreed solutions that are sympathetic to the environment and community.



Khorram Abad Pump Station

## Plant a Tree, Green the Earth, Clean the Air, Live Happily

An environmental action plan seeking continual improvement is produced on an annual basis setting out specific objectives, targets and implementation steps, with the progress routinely monitored, reviewed and reported to the board of management.





## Oil & Gas

During 26 passed years, we experienced working in many Oil & Gas plants around Iran. Pars Kayhan engaged in design and construction of wellhead facilities, transporting pipelines & facilities, pump stations, process plants, storage and export terminals, and etc.

Executing more than 250 km pipeline and 6 strategic pump stations in major oil & gas fields in west and south of Iran are part of our activities during last five years. Currently, Pars Kayhan provides a total solution for oil & gas plants to its clients.

By now, Pars Kayhan is known as one of the most reliable and trusted leading EPC contractor in Iran in the field of Oil and Gas.



## Oil & Gas



### Major Projects:

- Oil, Gas & Water Pipelines in South Azadegan Oil Field / Ahwaz City / EPC  
Including 53 km Oil line 28", 55 km Gas line 24", 40 km Water Disposal 20", 10" & 8" (Client: PEDEC)
- Export & Import Pipeline and Facilities / Bandar Abbas City / EPC  
Including 40 km Pipeline 24", 20", 16" & 8", Marine Loading & Unloading Facilities (Client: NIOEC)
- Khoram Abad Pump Station and strategic Tank Farm / Khoram Abad City / EPC  
Including Pump Station, Fixed and Floating Roof Storage Tanks with Total Capacity of 440,000 BBL (Client: IOPTC)



# South Yaran Oil Field

Wellhead Facilities and Pipeline in Yaran Oil Field / Ahwaz City / EPC

22 Nos. of wellheads & facilities

82 Km of 6" pipeline from wellheads to cluster

88 Sets of chemical injection packages including corrosion inhibitor, Asphaltane Methanol and Wax.

22 Nos. of burn pit packages





## Petrochemical & Refinery

Refinery projects are normally billion dollar developments designed around core refinery process units. We have been involved in different stages of refinery development.

Petrochemicals are derived from petroleum sources like crude oil and natural gas. Pars Kayhan possesses extensive knowledge and expertise covering all stages and components of a petrochemical unit development including preparation of techno-economic feasibility reports, licensor selection, cost estimation as well as basic engineering, detailed engineering and overall project management.



## Petrochemical & Refinery



### Major Projects:

- Kermanshah Petrochemical Complex / Kermanshah City / C  
Including all construction and commissioning works (Client: Kermanshah Petrochemical Complex)
- Abadan Refinery Extension / Abadan City / EPC  
Including 5 Pump Stations, Pipeline and Storage Tanks (Client: NIOEC)
- Tehran Refinery Extension / Tehran City / EPC  
Including Cooling System Extension and Crude Oil Storage Tanks Unloading System Improvement (Client: Tehran Refinery)
- Phase 19, Phase 14 and Phase 13 South Pars Gas Refineries / South Pars / C  
Including all Electrical, Instrument and construction works (Client: Niyepars / Petro pars)



## Kermanshah Petrochemical Complex

All in one, an experience of wide range construction activities such as power generation, storage, electrical, instrumental, mechanical, fire fighting, piping and civil works with more the 1200 staff.



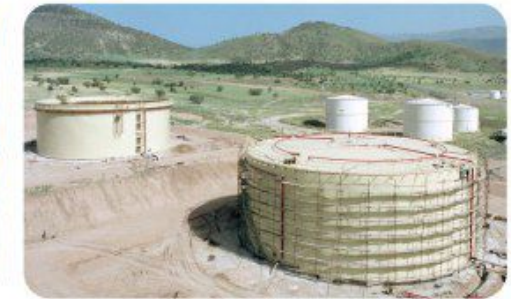


## Storage Tanks

Pars Kayhan has designed, fabricated, installed, repaired and maintained any kind of storage facilities, from the simple to the most sophisticated, providing a wide range of services and cost-effective solutions to key industries including refineries, terminals, LPG depots and more.

We handle every project with skilled craftsmanship, the latest equipment, and a dedication to safety and customer satisfaction. Whether the tank or vessel is to be shop fabricated or field erected, our experienced professionals are at your service.

There are only a few contractors in the world who built Storage Tanks with the capacity of 1,000,000 BBL.



### Major Projects:

- Kharg Island Tank Farm / Kharg Island / EPC  
Including 4 floating roof crude oil storage tanks and Facilities with the capacity of each 1,000,000 BBL (Client: IOTC)
- Exir Chemical Terminal / Mahshahr City / PC  
Including 18 Storage Tanks and Facility (Client: Exir Chemical & Odfjell Norway & Oil tanking Germany)
- Qeshm Island Storage Tanks / Qeshm Island / EPC  
Including Floating Roof Storage Tanks with Total Capacity of 490,000 BBL (Client: Nick Sanat Refinery)
- 9 Storage Tanks in Iraq / Basra and Nassiriya Cities / EP+Fab.  
Including 9 Fixed and Floating Storage Tanks and Facility (Client: SCOP, Basra and Nassiriya Refineries)





## Kharg Island Tank Farm

Design, Supply and construction of 4x1,000,000 BBL floating roof crude oil storage tanks as the largest storage tanks in Iran with 109 m Diameter same as a real football pitch.



## Power

Our power capability covers all aspects of power energy generation, transmission and distribution. In order to provide the correct balance of expertise to each client, our staff works in an integrated manner to utilize the extensive range of skills. Our clients include private or public sector and funding agencies. Our services range from start to finish for new power developments and across power existing facilities.

Transmission and distribution provides multi disciplinary expertise at all stages of power transfer from generator to consumer. We have the full range of skills in overhead lines, underground cables and substations and apply these at all voltages up to the highest in common use including high voltage DC.

Power generation from conventional sources such as coal, gas, oil and diesel continues to provide a significant share of global electricity production. Our thermal power generation experience of over 10 years in Iran spans the complete range of skills needed to take a project from concept to commissioning.



### Major Projects: (Client: Iran Power Development Co. & Mapna)

- Orumieh Power Plant / Orumieh City / EPC
- Parand Power Plant / Parand City / EPC
- Damavand Power Plant / Damavand City / EPC
- Sanandaj Power Plant / Sanandaj City / EPC





# Power Plants

Gaining full knowledge of building a Power plant with executing combined cycle power plants around Iran in Orumieh, Sanandaj, Damavand, Mobin, Parand and Abadan cities.





# Middle East

A successful experience overseas...

After completing several successful projects in Iran, we targeted new markets in the Middle East and started our activities in Iraq as developing market.

Pars Kayhan entered Iraq market in 2012 and was qualified by Iraq ministry of oil and affiliations such as SCOP, BOC, SRC, MOC, etc. as the first private Iranian EPC contractor. We have been awarded our first project in 2013 and till now The number of new projects has been increased to 3.

Pars Kayhan has been qualified by major international oil companies active in Iraq such as Lukoil, Gazprom, Petro china, Petronas and etc.

Moreover, we started extending of our services in other middle east countries by establishing new subsidiary in Oman;

looking for new challenges and opportunities.



#### 4 Storage Tanks in Iraq / Baghdad / EP

- Including Design & Supply of Four Floating & Fixed Roof Oil Product Storage Tanks with Ancillaries (Client: HEESCO, Baghdad Daura Refinery)

#### Gas Pipeline from Basra to Najaf and Tie-ins, Iraq, Turn Key

- Including Valve Stations and Gas Pipeline 24" Completion (Client :BOC, Basra to Najaf)

#### 9 Storage Tanks in Iraq / Basra and Nassiriya Cities / EP+Fab

- Including 9 Fixed and Floating Storage Tanks and Facility (Client: SCOP, Basra and Nassiriya Refineries)



# Partnership

As a well-recognized Oil & Energy EPC Company, Pars Kayhan firmly believes that promoting win-win cooperation with partners worldwide is an essential part of its sustainable business growth and it can be only achieved while all shareholders benefit from cooperation.

The greater the mutual trusts are, the broader the scope of cooperation goes. So as long as we view each other positively- as opportunities rather than challenges- our cooperation will continue to thrive; our relationship will continue to grow.

As the world's second biggest oil & gas resources, Iran always has been an attractive market for international oil companies. Competitive and dynamic, Pars Kayhan is growing up internationally to be your loyal partner in Iran and Middle East.



## Build a Door

The path to greatness is along with others

### We provide our partners with:

- Project financing solution development
- Professional and competitive EPC services
- Cooperating with licensors and technology owners regarding target projects
- Being Trusted as local partner for Iran EPC projects
- Oil & Energy investment consulting in Iran
- Project investment analysis and evaluation assistance
- Introductions and recommendations for global investors and off takers





# Look Forward

Looking ahead, we are focused on accelerating our growth while continuing to strengthen our brand through helping our clients, share knowledge and create innovation and bringing positive change to the communities in which we work and live.

We like the world as a better place to live...





# Social Responsibility

## Discover Our Partners



**Behan Tejarat Co.**  
Piping Material Supplier  
Tel/fax: +98-21- 88 48 26 82  
info@behantrading.com



**Parsis Solution Co. Ltd.**  
Oil & Energy Equipment Supplier  
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**MBN L.L.C. (Oman)**  
General Trading and  
Contracting Company  
info@mbn-om.com

We share value  
with local  
communities

Pars Kayhan shareholders are the major shareholders of mentioned companies.





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