



Tarh O Palayesh
Engineering Company

COMPANY OVERVIEW

From the outset since year 1980, Tarh-O-Palayesh Engineering Company (T.O.P.) has been a leading provider of technical 'know-how' in the field of oil, gas and petrochemical industries. This engineering firm provides many services to clients within such industries, including conceptual studies, basic and detailed design, project supervision, field engineering, material procurement and comprehensive project management. T.O.P. has successfully performed and delivered major projects in the form of EPCC (Engineering, Procurement, Construction and Commissioning) contracts, in other words Design and Build contracts for key clients.

Our expertise over the past 30 years has earned us the reputation in the industry for engineering excellence and value engineering techniques in design, procurement and construction. In addition, due to our strict site supervision and quality control management, our aim is to provide 'defect free' projects for our clients. We are committed from the onset to assist our employers in reviewing their briefs, project's objectives and meet their aspirations. Our team brings a wealth of expertise to the table and as a result we aim to embed ourselves as part of the client's team throughout our engagement. With an innovative approach, our technical team constantly reviews the client's requirements and brings an additional value at various stages of the project. Ultimately, T.O.P. has vast capabilities to undertake a variety of complex projects in oil, gas and petrochemical industries both in Iran and in the international arena.

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BUSINESS ACTIVITIES

As a leading engineering corporation, T.O.P. mainly focuses its activities in oil, gas and petrochemical industries as described previously. However, the company's services also extend and cover ancillary works for other industries.

T.O.P. field of activities in Oil, Gas and Petrochemical industries can be categorized as follows:

- Oil & Gas Wellhead Facilities and Gathering Centers
- Oil & Gas Production Facilities
- Crude Oil and Condensate Pump Stations
- Gas Compressor Stations
- Oil Processing Units and Refineries
- Gas Treating Units and Refineries
- Petrochemical Plants and Affiliated Industries
- Single/Multi Phase Oil & Gas Transmission Pipelines
- Power Generation, Transmission and Distribution
- Telecommunication Systems
- Steam Generation and Distribution Units
- Water and Waste Water Treatment Facilities
- Associated Civil Works and Buildings



SERVICES

AND SCOPE

From our track record over three decades, we pride ourselves as a trusted organization in providing the following services to our clients in a single or combined package:

- Feasibility and Conceptual Studies
- Basic Design and FEED Preparation
- Detailed Engineering Design and Preparation of Tender Packages
- Procurement and Supply of Material (both Technical and Commercial)
- Field Engineering and Construction Supervision
- Construction, Installation and Commissioning
- Project Management Contracting
- EPC/EPCC Contractor





ENGINEERING AND DESIGN

With many experienced multi-talented designers, engineers and specialists, we use advanced technologies in the design development and take an innovative approach to achieve sustainable schemes for the stakeholders and the end users. The culture of innovation and value engineering concepts has been propagated throughout the organization in all our design and engineering processes in order to achieve value for money for our clients. Our designers and engineers are well versed with all international codes of practices and standards including all regulations for Health, Safety and Environmental Impacts.

As a result of our direct undertakings of key EPC projects, our engineering/technical teams have attained an exceptional experience and a high level of technical know-how in liaising with the products manufacturers, suppliers, installers and commissioning teams. This is a unique attribute to T.O.P. when considering that their core activities are design and engineering services.

Over the years, T.O.P. has pioneered many technical proficiency and achievements; and for that reason it has developed and utilized the latest software and hardware in order to keep their staff abreast with the latest technology. Our Integrated Quality Management System is second to none and provides a comprehensive platform for all personnel across the business. The intranet network provides access to all technical guidelines and publications within the organization. In addition, all documentations and drawings for each project are electronically stored during the project cycle and archived for future referral.

PROCUREMENT AND SUPPLY OF MATERIAL

T.O.P.'s procurement policy is focused on purchasing the right material at the right time from a reliable and reputable source. We are well experienced in purchasing specified materials and equipments for particular tasks utilizing foreign and local vendors diligently prequalified by our team of experts.

T.O.P.'s purchasing power and networking extends across many countries and to this extent all banking related activities and shipping arrangements are set up accordingly. With complex world transportation, our shipping department can plan, coordinate and monitor movements of materials and equipments anywhere in the world.



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CONSTRUCTION ACTIVITIES

T.O.P.'s experienced and skilled technicians, engineers and managers together with suitable in house construction equipments and facilities, has enabled us to construct various projects with high quality and within project's time schedule, based on intended design and engineering precisions.

Our commitment to full compliance with Health, Safety and Environmental Regulations has considerably reduced adverse environmental impacts and accidental damages in our construction sites and other activities.

MANAGEMENT AND SUPERVISION

Comprehensive project management and supervision have always been important criteria and key objectives of the employers in this industry. This is to ensure that the set goals for project's quantitative and qualitative measures are met throughout the project life cycle. Aligned with this aspiration and goals set by employers, T.O.P.'s, senior management supported by a coherent teams of engineers and technicians have to-date provided a substantial amount of man hours in the form of Management Contracting, Contract Supervision, Engineering and Design Supervision, Procurement and Material supply Supervision, Site Supervision and Field Engineering.

EPC

DESIGN AND BUILD

In recent years in line with global trend and to keep pace with clients demands in oil, gas and petrochemical industries, T.O.P. has diversified and focused some of their key activities into EPCC (Engineering, Procurement, Construction and Commissioning) form of contracts.

T.O.P. is one of the first organizations in Iran that has successfully delivered an EPC contract in oil and gas industries based on its own merit and organizational strengths, technical and operational capabilities; and as such has been recognized nationally as a major player.

Our successful achievements to-date together with a renowned reputation in the industry gives us a legitimate platform to provide total commitments and unwavering supports to our clients at every stage of a project.



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T.O.P.'s credentials in oil industry are based on unique abilities in the following areas:

- Providing teams of outstanding managers, experts, engineers and qualified technicians with expertise in various areas of engineering design, material supply, construction, installation, pre-commissioning and commissioning
- Optimization of engineering and design based on the latest technology, previous knowledge and value engineering process throughout the design and construction phases
- Special attention to the pivotal key role of material supply strategy
- Maintaining dynamic engagement with employer
- Sustaining active interaction with manufacturers and suppliers
- Taking full advantage of available resources and manpower
- Utilizing suitable in house construction facilities and heavy machineries
- Use of effective management techniques with hands on approach by senior executives in the overall monitoring and control of the projects
- Being proactive in identifying inadequacies throughout the project before they become a problem
- Utilizing latest IT and design software for engineering analysis, plant simulation and modeling
- Utilization of international standards and approved guidelines throughout the design and construction phases
- Establishing an integrated Quality Management System and appropriate monitoring and control procedures throughout the design and construction phases

QUALITY MANAGEMENT SYSTEMS

The Integrated Quality Management System is a collection of T.O.P.'s processes and procedures that is focused on achieving our quality policy as well as quality objectives which are generally in line with contract requirements. It provides a comprehensive platform in order to ensure that quality control and evaluation with reference to project management, design and engineering, material procurement, construction, pre-commissioning, commissioning and performance testing are applied systematically, recorded and if necessary developed in every stage of the work.

We strongly believe that the quality should be planned from inception to handover. Therefore Quality Management System will embrace all documentations such as project quality management manual and many other reference documentations including corporate standards, specifications, procedures, instructions, guidelines and the like.

Our management team is accountable for ensuring that all disciplines involved are fully compliance with the project quality plan requirements. Furthermore, we also expand our Quality Management System to our vendors in order to maintain continuity throughout the project implementation and to ensure that the project objectives are achieved.

Established Quality Systems in T.O.P. are:

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|--------------------------------------------------|------------------|
| • Quality Management System | ISO 9001:2008 |
| • Environment Management System | ISO 14001:2004 |
| • Occupational Health & Safety Management System | OHSAS 18001:2007 |

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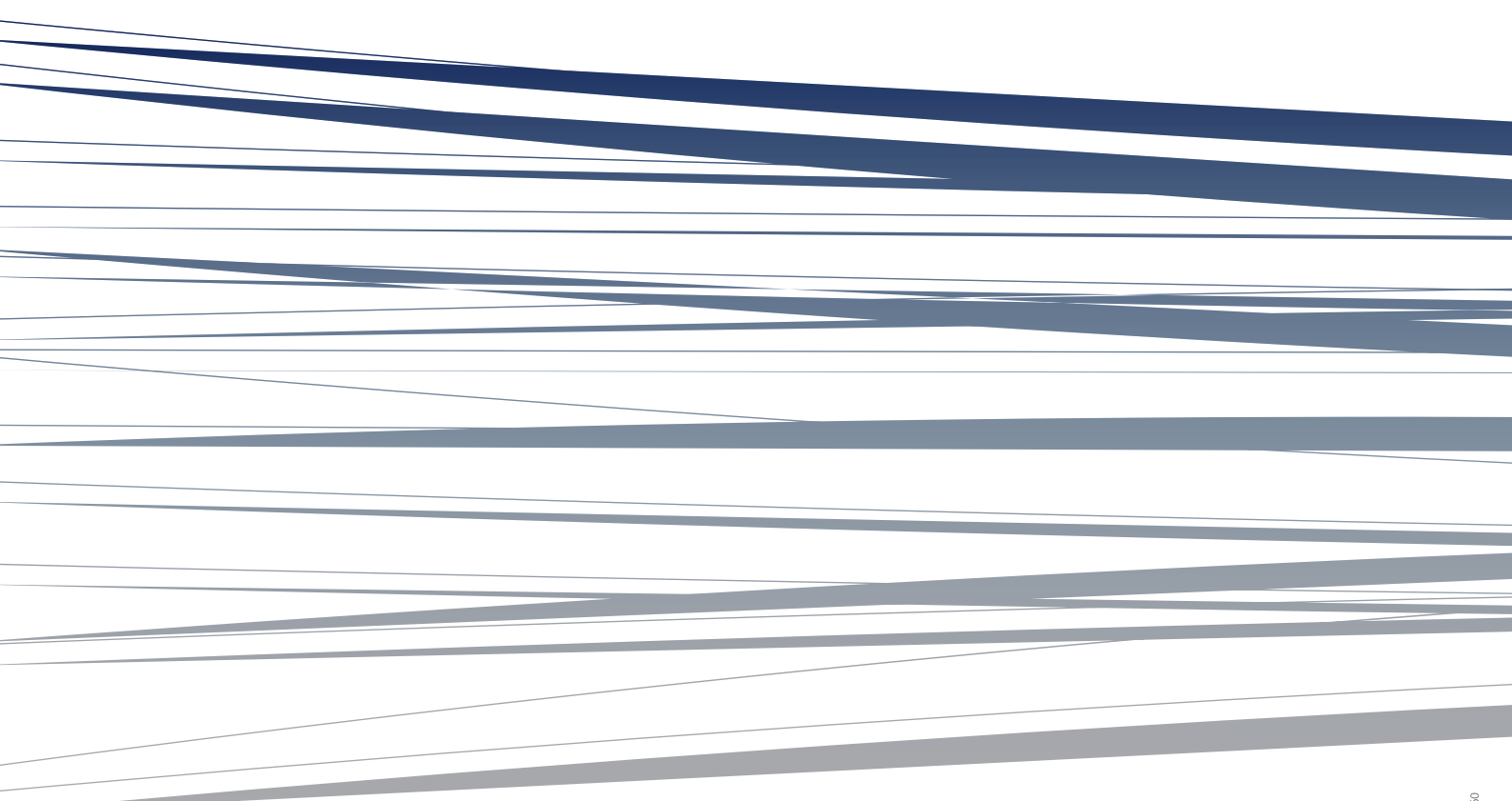


CLIENTS AND EMPLOYERS

- National Iranian South Oil Fields Company (NISOC)
- National Iranian Central Oil Fields Company
- Petroleum Engineering & Development Company
- National Iranian Gas Company (NIGC)
- National Iranian Gas Export Company
- Pars Special Economic Energy Zone Company
- Esfahan Oil Refining Company
- Research Institute of Petroleum Industry
- Razi Petrochemical Company
- Farabi Petrochemical Company
- Mash-al-Daran Petrochemical Company

PROFESSIONAL QUALIFICATIONS AND CERTIFICATES

- Consulting Qualification Certificate
- Design and Built Contractor Qualification Certificate
- Contractor Qualification Certificate
- Electrical Substations Establishment Certificate
- Membership of Iranian Society of Consulting Engineers
- Membership of Design and Built Association



13 Azadegan St.
Ghaem Magham Farahani Ave.
Tehran1586747714, IRAN.
P.O.Box: 15875-3668

Tel.: +98 21 88718944
Fax: +98 21 88712703

info@tarhopalayesh.com
www.tarhopalayesh.com