
Oil Design and Construction Co.



5

About ODCC

- Business Lines
- Scope of Services
- Benefits of working with ODCC

7

Design & Engineering

- Process
- Process Safety
- Piping & Pipeline
- Fixed Equipment
- Rotating Equipment
- Materials & Corrosion
- Electrical & Telecommunication
- Instrument & Control
- Civil, Structural & Architectural
- Technical Support & Services

11

Procurement Services

- Procurement Management
- Global Marketing Knowledge & Strategic Sourcing
- Purchasing
- Expediting
- Logistics optimization & Management

13

Construction Management
Project Management

15

Our Commitment to Quality
Our Commitment to HSE
List of Main Softwares





19

Managing Director's Quote



20


Projects

- Ongoing Projects/20
- Completed Projects/22
- International Projects/24
- Main Projects/26



62

**List Of Machinery
And Equipment**



With three decades of presence in the country's oil, gas and petrochemical industry as the top engineering contractor, Oil Design and Construction Company has provided a complete set of project services from feasibility studies to the implementation of turnkey projects. The company tries to be the first choice of its customers by providing technology-based engineering services with the best quality of purchase and construction within the framework of a precise schedule and maintain itself as a dynamic and distinctive company.

Areas of Expertise

- Oil and Gas Refineries
- Onshore and Offshore Oil and Gas Field Development
- Petrochemicals
- Gas Processing Plants
- Petroleum Refining and Product Upgrading
- Oil and Gas Transmission Pipelines
- Utilities, Power Plant, Offsite and Infrastructure

Services Offered

- Feasibility Studies
- Basic and Detailed Engineering
- Procurement
- Construction Management
- Pre-Commissioning & Commissioning
- Project Management Services
- Financing Option Investigation
- Upgrading/ Debottlenecking

Benefits of working with ODCC

- Offering entire range of services associated with an EPC contractor.
- Efficient cost- adverse project execution.
- Effective tools & skills for project risk analysis and mitigation.
- Project management system supported by advanced IT infrastructure.
- Handling mega-projects via partnership with well-known Iranian and/or foreign EPC contractors.



Design & Engineering Department operates in all fields of engineering such as economic estimation & feasibility study, Conceptual basic and detailed engineering design and it provides services with engineering purchasing and engineering support during installation and commissioning within the framework of an accurate schedule and client's satisfaction in the executive phase of project.

In this regard, Design and Engineering Department interacts with all units, inside and outside of organization to provide the best quality services by relying on international standard methods and instructions. This Departments Consists of high professional skilled forces, that provide all design needs, including processes, Utilities, offsite facilities and infrastructures.



List of Main Software:

- Primavera Contract Manager
- Primavera Enterprise
- Primavera Risk Analysis
- Integrated MARIAN
- AVEVA PDMS
- All required engineering software such as COADE, CAESAR II, COADE PV Elite, PHA Pro, HTRI, HYSYS, ETABS, INTOOLS, ...
(See the list of Main engineering software)



Fixed EQ Group

- Design of all fixed equipment used in oil, gas & petrochemical projects as below:
- Purchase Engineering of all fixed equipment's and packages
- Reviewing technical manufacturers proposal and evaluate technical offers
- Heat exchangers
- Vessels, Drum, Tower & Reactor
- Storage tanks
- Filter, Ejector, Silencer, Desuperheater, Launcher, ...
- Fired Heaters
- Packaged units and miscellaneous equipment



Rotating EQ Group

Rotating equipment and purchasing engineering selection based on common standards; for:

- Pumps
- Compressors
- Steam, Gas and diesel Turbines
- Fan and blowers
- Nitrogen Packages, water purifiers, air dryers and process gases and other common packages



Piping and Pipeline Group

- Providing Plant layout of various units, pipelines, equipment, roads, structures & ...
- Piping systems design and performance analysis
- Pipeline
- 3D modelling
- Piping materials
- Piping flexibility analysis
- Pipe supporting



Process Safety Group

- Cooperate on Conducting safety and Environmental studies like (QRA, SIL, HAZID, ENVID, HAZOP, ...)
- Fire Fighting (Active-Passive) and safety system design
- Fire and Gas detection system design
- Hazardous area classification and providing solutions to tackle fire, explosion and flammable/toxic gas release
- Cooperation on performing Environmental impact assessment study (EIA), and conducting dispersion and emission study
- Noise Modeling and providing practical solutions toward noisy equipment's and area.
- Providing safety recommendations and drawing on emergency and abnormal situation.



Process Group

- Process economic feasibility study
- Conceptual, basic and detailed design of process
- Process simulation and Modeling
- Preparation of process engineering documents for
- process unit and operational Equipment's
- provide all necessary technical services for process engineering and complete other discipline requirements in process
- Defining Control Philosophy



Civil, Structural and Architecture Group

- Architectural design of industrial and non-industrial buildings
- Structural design of industrial and non industrial buildings
- HVAC
- Deep and shallow foundations
- Concrete and steel structures
- Pipe rack design
- Civil underground systems
- Surface drainage systems
- Road and access studies
- Pipe support, Piping route, etc.
- Right of ways for oil and gas pipelines
- Bridges and culverts design
- 3D modelling
- Site mobilization plan



Electrical and Telecommunication Group

- Selection and design of Power generation electrical facilities
- Design of Power transmission line and substation
- Power distribution system and network
- Telecommunication system
- Data communication network
- Electrical systems and networks
- Electrical equipment's
- 3D modelling



Instrument and Control Group

- Basic and detailed engineering of instrumentation equipment, including preparation of all engineering documents
- Control and measurement instrumentation design
- Power Engineering and review of all vendor documents
- Control system and network
- Metering system
- ESD system
- Fire and gas network
- 3D modelling

Technical Support and Services Group

- Organizing Project key engineers
- Estimating and organizing the required engineers for different divisions
- Preparation and collection methods and instructions of different sections including, design method, descriptions and workflow
- Design & Engineering division performance control and periodical reporting
- Project action plan verification, integration and management
- Training and knowledge management
- Organizing Project start-up and provide engineering support services to the site
- Provide Technical proposals and estimate in tenders
- Supply Engineering required resources



Materials and Corrosion Group

- Material engineering (including welding, NDE and corrosion control) and study to appropriate methods of corrosion Control
- Provide technical specifications for paint, coatings, Insulation and corrosion protection systems
- preparation of various non-destructive welding test methods and its instructions
- Prepare equipment inspection instructions
- Selection of equipment's and pipes material



Procurement and Commercial Division affairs is a comprehensive service, covering purchasing, expediting, inspection, logistics and materials management. The procurement management team supports all ongoing projects including providing essential budgetary price for new tenders, as well as its daily functional administrative responsibilities.

ODCC's procurement organization provide clients confidence with universal procurement resources, processes, systems, procedures and marketing knowledge. Due to The experts with significant experience, cause to the modern procurement services is provided a customized solution to meet the clients' specific requirements.



Procurement Management

ODCC procurement manager provides innovative contract management strategy including control process system to monitoring and administer purchase orders and related subcontracts. The procurement team with great experience develop supply-chain solutions to ensuring that our clients will receive what was supposed to.

Global Market Knowledge and Strategic Sourcing

ODCC optimizes services to achieve client objectives with specific categories of materials, equipment, and services.

ODCC's experience in the mega-project market will provide excellent opportunity to the clients based on long-term delivery of material, supply and pricing trends.

Through local and international supplier's resources, ODCC is empower to create more efficient sources to cover all client's requirements, anywhere, and from highly trustable sources to achieve the ideal purchasing, targeting budget, quality, and an optimal logistics solution in order to save time and cost.

Purchasing

ODCC's professional buyers have lots of experience in purchasing with wide range and quantity of equipment and materials from local and international sources with special attention to quality, Delivery time, and budget.

Expediting

The expediting services will be provided by our professional expeditors, with special discretion to time of delivery of all material and equipment whilst not compromising quality. Our computerized system allows the monitoring and control of all orders proactively ensuring integrity of equipment and materials according to site construction sequences.

Logistics Optimization & Management

ODCC logistics team manages the transportation of material and equipment from different resource facility for best delivery to project site and using the air, sea and inland transportation from all over the world. They have particular knowledge and experience in heavy lifting, overloads and innovative transportation. They also have special relationship with local and international freight forwarders.

ODCC obliged to provides efficient, economic, and on time transportation services to all own projects even difficult locations.



Construction Management

ODCC's past experience entails numerous projects in various capacities, including participation in full construction management or advisory role, both on site and in the home office. The Construction Division also provides support all along the project lifecycle from bids and proposals to engineering and procurement prior the construction phase. This is achieved through our expert knowledge of planning and implementation, environmental conditions, time constraints, cost, construction techniques while maintaining communication between suppliers, our workforce and client.

ODCC's construction management follows projects from the beginning to the end, including:

- Constructability reviews
- Cost estimating and cost control
- Managing the bid process, negotiating and awarding contracts
- Scheduling and project controls
- Document management
- Construction and field administration
- Materials management, including field procurement, receipt of materials, inspection, warehousing and issuing materials to contractors
- Particular knowledge and experience in heavy lift and abnormal loads
- Quality assurance
- Construction inspection
- Pre-commissioning, commissioning and start-up, testing, and project close-out.

We offer well defined systems and software, proven procedures with continuous improvements, and a vast database of construction methodologies.

ODCC has the ability to provide skilled manpower and large and growing fleet of more than 300 major construction equipment.

III.



Project Management

We are also experts at resolving conflicts and identifying issues before they become problems. Our teams focus on the overall picture, establishing priorities, and coordinating activities and involving participants to ensure quality projects that are delivered safely, on time, and within budget.

Through our integrated engineering, procurement, construction and installation services, we understand what it takes to deliver certainty for our clients' complex and demanding project requirements.

Our project management approach to project execution complements our strong commitment to a superior safety culture, proven processes and procedures, and a culture of strong business ethics.

This solid framework and our performance driven behavior ensures safe, efficient, cost-effective solutions for our clients.



Our Commitment to Quality

Quality has always been a constant feature in all the operations of Oil Design and Construction Company. The company holds numerous certificates, recognitions and awards, all of which demonstrate ODCC's commitment to quality.



Our Commitment to HSE

ODCC has been able to introduce itself in a competitive domestic and foreign markets by using management systems in the organization and implementing projects.

Since 2003, the company has always focused its efforts on this issue through the establishment of new management standards and obtaining the relevant certificates, in order to take a step towards continuous improvement and also taking effective steps to improve its position in the business environment, for the growth and development of the country's oil, gas and petrochemical industries.

In the current era, the necessity to use management systems is inevitable, in addition to the need to equip organizations with up-to-date knowledge and technology to achieve the strategy and defined goals.

The health, safety and environment policy of Oil Design and Construction Company shows the commitment to fulfill the company's HSE requirements by certificates, recognitions and awards.



1st Grade

Certificate of Contractor
Competency



1st Grade

Certificate of Consultancy
Services Competency



Silver Winner

Iran National Project
Excellence Award 2017



Ranked 1st

Engineering Services in
Iran 2013



1st Grade

EPC Contractor in Iran



Golden Winner

Iranian National Project
Excellence Award 2011



Bronze Winner

Iranian National Project
Excellence Award 2020



Integrated
Management System
IMS Certificate



Environmental
Management System
ISO 14001: 2015



Quality
Management System
ISO 29001: 2020



Quality
Management System
ISO 9001: 2015



Occupational Health and
Safety Management System
ISO 45001: 2018



Guidance on
Project Management
ISO 21502:2020







Managing Director's Quote

We believe that commitment to this policy is an ethical and moral responsibility and performing the designed plans in detail in addition to ensuring the health and safety of the personnel and protecting the environment, will have a positive influence on the productivity and increase the quality level of the services and activities of the organization.

We have a common responsibility in saving human lives, environment and national assets, so all employees are expected to do their best to achieve these goals.

D. Rabiee
Managing Director

NO.	PROJECT NAME	CLIENT	TYPE OF CONTRACT	LOCATION
1	Esfahan Oil Refinery Upgrading & Petrochemical Project (EORUP)	SPRC	EPCM	Isfahan
2	Sepahan Oil Co. TDAE & HDT Project	SOC	EPCC	Isfahan
3	Abadan Refinery Stabilization and Upgrading Project	NIOEC	EPCC	Abadan
4	Distillate Hydrotreating Project Shiraz Oil Refinery	SORC	EPCC	Shiraz
5	Esfahan Oil Refinery Company Construction and Installation Operation of Utility and Offsite Units and Connection to Diesel Refining Project	EORC	C	Isfahan
6	TORC Heavy Naphtha Refining, CCR and Liquid Gas Benzene Reduction Units MC Project	TORC	MC	Tehran
7	Integrated Environmental Studies, BOD and Feed in Sohrab Oil Field Development Project	Dana Energy	E	Ahwaz
8	Tabriz Oil Refinery Company Sulphur Recovery Plant Project	TzORC	EPC	Tabriz
9	South Azadegan Oil Field Development – North Wellhead Facilities & Flow Lines	PEDEC	EPC	Ahwaz
10	New Pump Stations & Terminals in Abadan and Mile 40 Mahshahr Road Project	NIOEC	EPC	Abadan - Mahshahr



NO.	PROJECT NAME	CLIENT	TYPE OF CONTRACT	LOCATION
1	Esfahan Oil Refinery Company Construction and Installation of GasOil Hydrotreatment Project	EORC	C	Isfahan
2	Shazand Arak Refinery Expansion & Product Upgrading Project	NIOEC	EPCC	Arak
3	Tehran Refinery Product Upgrading Project	NIOEC	EPCC	Tehran
4	Tabriz Oil Refinery Company Gasoil Hydrotreating Plant	TZORC	EPCC	Tabriz
5	South Pars Gas Field Development – phases 20 and 21	OIEC	C	Asalouyeh
6	Persian Gulf Star Gas Condensate Refinery (59 & 09), (58 & 08), (17 & 05) Units	FALAT	C	Bandar Abbas
7	Sarvestan-Saadatabad Oil Fields Development	ICOFC	EPC	Sarvestan - Shiraz
8	Desalting Plant for Processing of Salt Crude of Parsi- Aghajari Oil Field	NISOC	EPC	Aghajari - Ahwaz
9	Bandar Abbas Refinery Debottlenecking Project	NIOEC	EPC	Bandar Abbas
10	Noorabad 56 Inches Gas Pipeline Rerouting Project	NIGCENG	C	Noorabad Mamasani
11	Ardebil New Oil Storage Project	NIOEC	EPC	Ardebil
12	Sulphur Palletizing Plan in Ilam Gas Refinery	NIGC	EPC	Ilam
13	Basic Engineering Design for Bandar Abbas Gas Condensate Refinery	NIOEC	E	Bandar Abbas
14	Nezamieh - Ahwaz Pump Station	NIOEC	EPC	Ahwaz
15	Fajr-E- Jam Gas Refinery Power Plant Upgrading Project	NIGC	EPC	Kangan- Bushehr
16	Sarvestan – Saadatabad Oil Field Development - 102 KM	ICOFC	EPC	Sarvestan - Shiraz
17	Completion of Flare Relocation and Burning Pit of South Pars, Phase 1 Refinery	POGC	EPC	Asalouyeh
18	Neka – Rey Crude Oil Pipeline Capacity Increase Project	NIOEC	EPC	Neka - Rey



NO.	PROJECT NAME	CLIENT	TYPE OF CONTRACT	LOCATION
1	Gasoline Production Unit Project Turkmenbashi Refinery	Turkmenistan Ministry Oil & Gas	EPC	Turkmenbashi Turkmenistan
2	Turkmenenistan – Iran Gas Dehydration Facilities & Pipeline Project	Turkmenistan Ministry Oil & Gas	EPC	Turkmenistan
3	Gas Compressor Station Korpedje – Turkmenistan	MAN	PC	Korpedje Turkmenistan
4	Upgrading of Chalayok Gas Metering Station – Turkmenistan	Turkmenneft	EPC	Chalayok Turkmenistan



International Projects





TORC Heavy Naphtha Refining, CCR and Liquid Gas Benzene Reduction Units MC Project

Activities:

Engineering, Procurement Services, Construction and Installation
Operation, Commissioning

Objectives:

- Production of 2 Million Liters Gasoline per day according to Euro V
- To increase gasoline production Tehran Refinery
- Products upgrading in Tehran Refinery

Project Duration:

48 Months

Client:

Tehran Oil Refining Company (TORC)

Integrated Environmental Studies, BOD and Feed in Sohrab Oil Field Development Project

Objectives:

- Conceptual design documentation development
- Basis of design documentation development
- Site Survey documentation development
- Non-Technical Survey documentation development
- Geotechnical and Hydrological Investigation Documentation development
- Passive Defense Studies Documentation development
- Environmental Impact Assessment (EIA & ESHIA) and QRA Studies Documentation development
- Value Engineering Studies
- Getting permit of environmental and passive defense Studies from governmental authorities
- Front-End Engineering Design Documentation development
- EPC tender documentation development

Project Duration:

11 Months

Client:

Dana Energy Company (DEC)





Abadan Refinery Stabilization and Upgrading Project

Activities:

Detailed engineering, Material and Equipment Procurement, Construction, Commissioning and Assistance in Commissioning of new units with a refining capacity of 210,000 BPD crude oil, including licensed units (hydrogen product, naphtha refining, oil and gasoline refining, gasoline, isomerization, sulfur recovery and hydrocracking) and unlicensed units (distillation in atmosphere and vacuity, liquefied petroleum gas production, sour water stripping and amine and necessary utility), modification of existing units and their integration with new units.

Objectives:

- To stabilize 360,000 BPD refining capacity with construction of new train with capacity of 210,000 BPD
- Production of 15.1 million liters' gasoline per day according to Euro V
- Refining of 87,000 BPD gasoil and quality upgrading to Euro V
- Refining of 49,000 BPD kerosene

Project Duration:

48 Months

Client:

National Iranian Oil Engineering & Construction Company (NIOEC)







Sepahan Oil Co. TDAE & HDT Project - Isfahan

Activities:

- TDAE unit:
In the base oil production process, the by-product DAE (Distillate Aromatic Extract) is produced from fractions obtained from the vacuum distillation tower or de-asphalted petroleum fractions, which has very high percentage of aromatic compounds. TDAE also includes polycyclic aromatic compounds or PCA (Polycyclic Aromatic). The purpose of constructing the TDAE unit is to separate these compounds from DAE and produce oil with a maximum of 3% wt of PCAs.
- HDT unit:
purchase, implementation and setup.

Objectives:

- Design and engineering services in the field of reviewing and providing opinions and finally providing technical approval/endorsement of the design and detailed engineering carried out by TDAE unit and making the necessary corrections (if needed)
- Completing the remaining detail engineering and design services (Detail Engineering) of the TDAE unit, performing engineering and technical services for the purchase of the entire TDAE unit from the end of the technical approval (Endorsement)
- Buying and supplying materials, equipment and goods needed by TDAE and HDT units
- Delivery of land and equipping the workshop and implementation of building operations and installation and pre-commissioning of TDAE and (HDT) units, including the completion of executive operations.
- The commissioning operation will begin immediately after the completion of the construction, installation and pre-commissioning operations.

Project Duration:

- TDAE Unit: 33 Months
- HDT Unit: 24 Months

Client:

Sepahan Oil Company

Esfahan Oil Refinery Upgrading & Petrochemical Project (EORUP)

Activities:

Detail Engineering Design and Procurement Services – Management of Procurement and Contract with Suppliers and Vendors - Management and Supervision of Construction and Installation Activities and Contract with Subcontractors

Objectives:

- To minimize production of low-value heavy products such as high sulfur fuel oil
- To produce fuel products to meet environmental standards
- To increase production of lighter and more valuable fuel products (LPG, gasoline, gasoil)
- To maximize production petrochemical precursors such as propylene and butadiene
- To develop the value chain of petrochemical products

Project Duration:

42 Months

Client:

Safahan Sohrevardi Petro-refinery Company





Distillate Hydrotreating Project Shiraz Oil Refinery

Activities:

Basic Engineering, Detailed Engineering, Procurement Services, Construction, Pre-commissioning and Assistance in Commissioning

Objectives:

- Construction of Distillate Hydrotreating units with capacity of 26,000 BPD and quality upgrading to Euro V
- Construction Gas treating (AMN)
- Construction Sour Water Stripping (SWS)
- Construction Sulfur Recovery Unit (SRU) licensed by LE GAS company

Project Duration:

36 Months

Client:

Shiraz Oil Refinery Company (SORC)





Shazand Arak Refinery Expansion & Products Upgrading Project

Activities:

Execute the project as EPCC, Design and Engineering, Material and Equipment Procurement, construction, Pre-commissioning and Commissioning.

Objectives:

- To increase capacity from 170,000 BPD to 250,000 BPD
- To reduce the production furnace oil and turn it into valuable products
- To Produce 3 MLPD of 100 octane Premium Gas
- To increase gasoline production from 4.6 million liters to about 16 million liters per day
- To meet product specification of Euro V
- To follow environmental mandates

Project Duration:

45 Months

Client:

National Iranian Oil Engineering and Construction Company (NIOEC)



Bandar Abbas Refinery Debottlenecking Project

Activities:

Review and Endorsement of Basic Design Package, Detailed Design, Procurement and Construction.

Objective:

Increasing the capacity of the distillation units of the Refinery from 232,000 BPD to 320,000 BPD.

Project Duration:

24 Months

Client:

National Iranian Oil Engineering and Construction Company (NIOEC)



Tehran Oil Refinery Company Product Upgrading Project

Activities:

Detailed Engineering, Procurement Services, Supply of Materials, Construction, Pre-commissioning and Assistance in Commissioning

Objectives:

- Products upgrading in Tehran Refinery by installation of new units and modification of existing units.
- Refining 53,000 BPD gasoline and quality upgrading to Euro V
- Refining 31,000 BPD kerosene and quality upgrading to Euro IV
- Removing 110 TPD sulfur from diesel produced by refinery

Project Duration:

32 Months

Client:

National Iranian Oil Engineering & Construction Company (NIOEC)



Tabriz Sulfur Recovery Plant Project

Activities:

Basic & Detailed Engineering, Procurement Services, Construction, Pre-commissioning, Commissioning, Start-up and performance test run and training of owner's personnel.

Objectives:

Tabriz Oil Refining Company intends to build a new Sulfur Recovery Plant (SRP) inside the Tabriz Refinery to convert refinery Acid Gas and Sour Gas streams to Liquid Sulfur with Conversion yield of minimum 94%, 110 Ton Per day with by the addition of TGT unit, the efficiency will reach 97,7%.

Project Duration:

21 Months

Client:

Tabriz Oil Refining Company (TzORC)



Tabriz Oil Refinery Company Gasoil Hydrotreating Plant

Activities:

Detailed Engineering, Procurement, Construction, Pre-commissioning and Assistance in Commissioning.

Objectives:

- Refining 30,000 BPD gasoline and quality upgrading to Euro V
- Removing 53 TPD sulfur from diesel produced by refinery
- To Plant a new SRU unit next to the old one with the capacity of 110 ton Sulfur per day

Project Duration:

30 Months

Client:

Tabriz Oil Refining Company (TzORC)





Esfahan Oil Refinery Company Construction and Installation Operation of Utility and Offsite Units and Connection to Diesel Refining Project

Activities:

Construction and Installation Operation, Pre-Commissioning and Assistance in Commissioning Utility Units and Offsite of Diesel Refining Project of Esfahan Oil Refinery Company

Objectives:

Civil Operations, Installation of Steel Structures, Installation of Equipment, Underground and Surface Piping, Electricity and Telecommunications, Cathodic Protection, EHT, Instrumentation, Fire Alarm, HVAC Installation, Miscellaneous Civil, Painting, Fire Proofing, Pre-Launch and Assistance in launching the project related to Utility Units, Offsite and Connection to the gasoil refining project of Esfahan Oil Refining Company.

Project Duration:

11 Months

Client:

Esfahan Oil Refinery Company (EORC)

Esfahan Oil Refinery Company Construction and Installation of GasOil Hydrotreatment Project

Activities:

Construction, Installation and Pre-Commissioning Activities such as: Civil Works, Installation, Piping, Electrical & Telecommunications, Cathodic Protection, Instrument and Safety Equipment.

Objectives:

- Refining of 100,000 BPD gasoil and quality upgrading to Euro V
- Removing 300 TPD sulfur from diesel produced by refinery

Project Duration:

30 Months

Client:

Esfahan Oil Refining Company (EORC)





Sulfur palletizing plan in Ilam Gas Refinery

Activities:

Design & Engineering, Material & Equipment Procurement, Construction, Erection & Commissioning of 2 Nos. Sulfur formation units

Objectives:

Converting Liquid Sulfur to Palletized Sulfur and Conversion of Liquid Sulfur to pastel (in pure and bentonite sulfur) for domestic and foreign use with capacity of 600 tons per day

Project Duration:

18 Months

Client:

National Iranian Gas Company, Ilam Gas Refinery (NIGC)

Completion of Flare Relocation and Burning Pit of South Pars, Phase 1 Refinery

Activities:

Review and completion of technical documents of the project, performing engineering and endorsement services, purchasing services, supply of materials, parts and remaining construction equipment, full execution, installation, testing, pre-commissioning and commissioning operations

Objective:

Execution of the remaining activities of the burner relocation project (LP, HP) and construction of a new burning pit (Smokeless & Atomizing Burner)

Project Duration:

11 Months

Client:

Pars Oil & Gas Company (POGC)





Basic Engineering Design for Bandar Abbas Gas Condensate Refinery

Activities:

- Basic design 120,000 BPD in three phases of the whole refinery Preparation and supply of Basic Engineering Design, Package for Bandar Abbas Gas Condensate Refinery for the following units and facilities:
- Condensate Distillation Unit
- CCR Unit
- ISOM Unit
- LPG Recovery Unit
- Amin Treating Unit
- Utilities and Offsite Facilities
- Sea Water Intake
- Sulfur Recovery Unit (SRU)

Construction and Pre-commissioning (Amine & Sour Water Treatment, Sulfur Recovery & Solidification and Tail Gas Treatment Units)

Objectives:

- Production of 37 Million Liters Gasoline per day according to Euro V
- Production of 3 Million Liters LPG per day
- Production of 3.3 Million Liters Kerosene & Jet Fuel per day
- Production of 13.2 Million Liters Gasoil per day

Project Duration:

10 Months

Client:

National Iranian Oil Engineering and Construction Company (NIOEC)



Sarvestan – Saadatabad Oil Field Development

Activities:

- Completion of 12 Well Sites (wellhead facilities)
- Completion of Central Process Facilities (CPF)
- Gas gathering, compression and injection facilities for 20 mmscfd of associated gas

Objectives:

To produce 27,000 BPD oil and export to Shiraz Refinery

Project Duration:

30 Months

Client:

Iranian Central Oil Fields Company (ICOFC)



Azadegan Oil Field Development – North Wellhead South Facilities and Flow Lines

Activities:

Detailed Engineering, Procurement, Construction, Pre-Commissioning and Commissioning for North Wellhead Facilities and Flow Lines in South Azadegan Oil Field.

Objectives:

- South Azadegan Oil Field development and transferring crude oil to oil & gas separator in north area of South Azadegan Oil Field.
- 59 wellheads allocating in 28 wellpads are included in the scope of this project and production capacity is 129,000 BPD (from 360,000 BPD in South Azadegan Oil Field).

Project Duration:

20 Months

Client:

Petroleum Engineering and Development Company (PEDEC)





South Pars Gas Field Development – Phases 20 and 21

Activities:

Construction, Pre-commissioning and Assistance to Commissioning of Area A of Phases 20, 21 including to the following Units:

- Steam, Instrument & Service Air and Nitrogen Production
- Water and Waste Water Treatment
- Sea Water Intake and Booster Pump Station
- Cooling and Fire Water Station
- Flare & Related Facilities and Burn Pit
- Utility and Offsite Drain Facilities

Objectives:

Production of 50 Million cubic meter per day Natural Gas and Gas Condensate by developing South Pars Gas oil Field

Project Duration:

24 Months

Client:

Oil Industries' Engineering and Construction Company (OIEC)





Desalting Plant to Processing of South Crude of Parsi – Aghajari Oil Field

Activities:

Engineering, Procurement and Construction (EPC)

Objectives:

The purposes of this project are as follows:

- Revamping of existing headers and manifolds and installation of 2 stage separators (2nd and 3rd) in PARSİ DAREH – NEY Production unit and providing related facilities such as pump station and chemical injection facilities and 24.5 km pipeline for transferring salty crude oil to KARANJ production unit separately.
- Revamping of existing headers and manifolds in PARIS CLASTER well heads after 1st stage separation.
- Revamping the inlet headers and designation of 2 stage separators (2nd and 3rd) for salty crude oil in KARANJ production unit.
- Installation of a new desalting plant with capacity of 110,000 BPD and also waste water treatment facilities beside to KARANJ production unit.

Project Duration:

30 Months

Client:

National Iranian South Oil Fields Company (NISOC)

FAJR - E - JAM Gas Refinery Power Plant Upgrading Project

Activities:

Detailed Engineering, Supply of Material, Construction, Pre-commissioning, Commissioning and Start-up

Objectives:

85 MW+ 5% increasing Power Plant Capacity by adding 3 sets GTG and 11 KV Electrical Substation

Project Duration:

24 Months

Client:

National Iranian Gas Company (NIGC)



Neka-Rey Crude Oil Pipeline Project

Activities:

Design and engineering services, supply of materials and equipment, construction and installation, delivery to the operator of Iran Oil Pipelines and Telecommunications Company and other services.

Objective:

Construction of equipment and capacity increase of pump stations and facilities of Neka-Rey crude oil pipeline with the capacity of 370,000 BPD

Project Duration:

12 Months

Client:

National Iranian Oil Engineering & Construction Company (NIOEC)



Nezamieh Ahwaz Pump Station

Activities:

The project execution is on the EPC basis including Engineering Design, Procurement, Construction, Installation and Commissioning of a Pump Station on the pipeline running from Abadan to Rey with the capacity of 70,000 and 120,000 BPD.

Objectives:

The aim of project is to replace the old pump station with a new one due to wear and age of The old pump and transfer of the pump station outside the city for security reasons.

Project Duration:

24 Months

Client:

National Iranian Oil Engineering & Construction Company (NIOEC)



New Pump Stations & Terminals in Abadan and Mile 40 Mahshahr Road Project

Activities:

Endorsement of Basic Design Engineering Package, Detailed Engineering, Procurement, Construction, Pre-commissioning and Assistance in Commissioning.

Objectives:

Objective of this project comprises expansion, renovation, optimization and upgrading of crude oil & oil products transfer facilities in Abadan and Mile 40 Mahshahr road. The project scope includes the following:

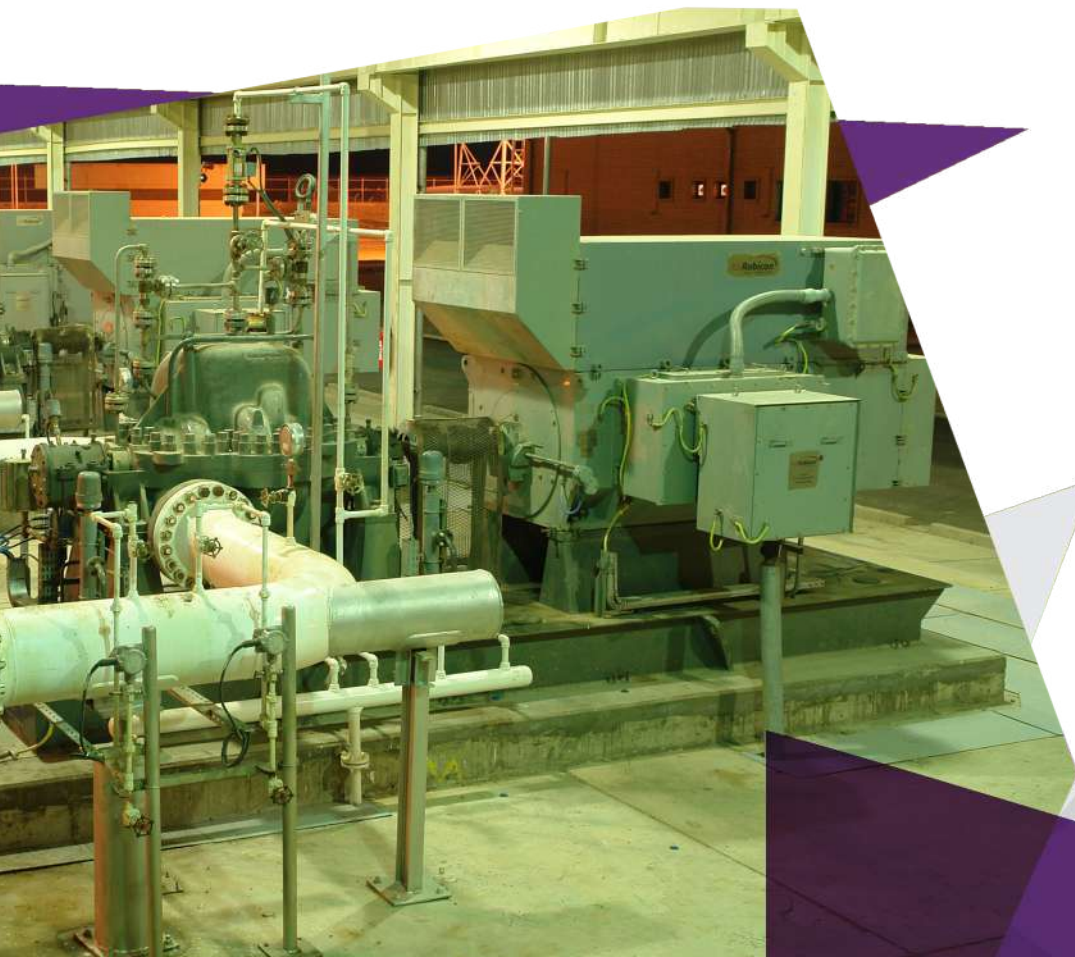
- To establish pump stations and storage tanks in Mile 40 Mahshahr road, to transfer received crude oil from Mile 19 to Abadan Refinery with transfer capacity of 210,000 BPD and storage capacity of 528,000 BPD.
- To establish pressure adjustment facilities of crude oil from Mile 40, Basreh and Darkhovein in Abadan Refinery with the total capacity of 670,000 BPD.
- To establish common facilities to transfer oil products (Gasoline, Kerosene and Gasoil) and also to establish sending facilities for Fuel Oil and overhead distillate separately and also for optimization and construction of relevant pipelines with the total capacity of 926,500 BPD as following:
- 4 pump stations to send products of Abadan Refinery to Mahshahr, Ahwaz and Nezamieh with total capacity of 546,500 BPD. Also it is possible to receive & store oil products from Mahshahr facilities via the relevant pump station.
- Pump station for Overhead Distillate from Abadan to Mahshahr with the capacity of 130,000 BPD.
- Pump station for Fuel Oil from Abadan to Mahshahr with capacity of 250,000 BPD.

Project Duration:

36 Months

Client:

National Iranian Oil Engineering & Construction Company (NIOEC)



Noorabad 56 inches Gas Pipeline Rerouting Project

Activities:

All implementation of civil and mechanical work, 56 inches Dia. Gas Transmission Pipeline.

Objectives:

Rerouting of the existing Gas Pipeline from inside to outside of Noorabad city of security reasons and connection to the Third Gas Transmission Pipeline Network in the country.

Project Duration:

12 Months

Client:

Iranian Gas Engineering and Development Company (NIGCENG)



Sarvestan – Saadatabad Oil Field Development -102 km

Activities:

8 Inches Export Pipeline - approx. 102 km

Objectives:

To Export 27,000 BPD oil to Shiraz Refinery - approx. 102 km

Project Duration:

30 Months

Client:

Iranian Central Oil Fields Company (ICOFC)





109

60.20 m

Ardabil's New Oil Storage Project

Activities:

The project execution is on EPC basis including Engineering Design, Procurement, Construction, Installation and Commissioning of the new oil storage facilities in Ardabil, comprising 12 tanks, 115,000 cubic meters' capacity each, for storage of oil products such as kerosene, gas, oil and gasoline.

Objectives:

Increasing the capacity of storage of various types of fuel for distribution across the province, neighboring cities and towns in particular.

Project Duration:

24 Months

Client:

National Iranian Oil Engineering & Construction Company (NIOEC)





Gasoline Production Unit Project for Turkmenbashi Refinery

Activities:

- Supervision on Basic Design
- Detailed Design
- Procurement Services
- Supply of Material and Equipment
- Construction and Erection
- Commissioning and startup

Objectives:

Gasoline Production Unit (GPU) downstream sections of MSCC unit were executed as EPC Project at Turkmenbashi Refinery.

GPU Consist of the Following Process Units:

- LPG Treater: 11,800 BPD
- Gas Concentration: 4,140 TPD
- Gasoline Treater: 23,300 BPD
- Amine Treater: 12,000 Barrels LPG and 270 Tons Sour Gas Per Day

Client:

Turkmenistan Ministry Oil & Gas

Upgrading of Chalayuk Gas Metering Station – Turkmenistan

Activities:

Engineering designs, procurement of materials and equipment, construction and installation of additional equipment for the volume measurement station for gas exported from the Republic of Turkmenistan to the Islamic Republic of Iran in the chalayuk region of the Republic of Turkmenistan.

Objectives:

In order to measure the volume of natural gas exported from the Republic of Turkmenistan to Iran, with a volume of 26 million cubic meters per day, this station was established on the gas export pipeline from Turkmenistan to Iran.

Client:

Turkmenneft



Gas Compressor Station Korpedje - Turkmenistan

Activities:

ODCC concluded a contract with the MAN FERROSTAAL Industry Anlagen (MGO - GERMANY) for supply and services for the construction of gas treatment and compressor station.

Objectives:

- In this project, there are six compressors, each of which drives a gas turbine with a capacity of 5/9 MW. The process of boosting the gas pressure takes place in three consecutive stages (HP, MP, LP).
- Compressed gas passes through a pipe with a length of 1800 meters and a diameter of 720 mm from the pressure booster station to the gas export pipeline from Turkmenistan to Iran, in order to export natural gas from Turkmenistan to Europe through Iranian territory.

Client:

MAN



Turkmenistan – Iran Gas Dehydration Facilities & Pipeline Project

Activities:

This project was carried out on lump sum turnkey basis and overall Scope of work was divided in two sections.

Turkmenistan Section:

Gas treatment facilities at Korpedje including four Dehydration Units, Glycol Recovery and Regeneration Unit, Condensate Stabilization Unit, Utilities, Offsite and Axillary buildings.

133 Km 40" Gas Transmission pipeline including:

- Line Break Valve (LBV) Station
- Scraper Traps Station
- Cathodic Protection System (CPS)
- Telemetry System
- Metering System

Iran Section:

60 Km 40" Gas Transmission Pipeline including:

- Line Break Valve (LBV) Station
- Scraper Traps Station
- Cathodic Protection System (CPS)
- Tie-in to Iran Gas Transmission System

Scope of Services:

- Basic Design of Gas Treatment Facilities
- Basic Design of Gas Treatment Pipeline
- Detailed Design of Gas Treatment Facilities
- Detailed Design of Gas Treatment Pipeline
- Procurement services
- Supply of equipment and materials
- Construction and Erection
- Commissioning & start up


Objectives:

The main objective of this project is to provide transmission facilities for delivering gas from the west part of Turkmenistan to the existing gas transmission pipeline network in Iran.

Client:

Turkmenistan Ministry Oil & Gas





The Logistic unit of the Oil Design and Construction Company, in order to perform its inherent duty and formulate long-term and strategic goals, by having a variety of heavy, semi-heavy, light machinery as well as construction tools and equipment, has a serious duty to support and help ongoing projects progress. The machinery unit, by using the capable, specialized and experienced forces, puts on its agenda the need to maintain and protect the machinery and devices, which are considered as a kind of national capital of this country, and by compiling and planning Coherent and extensive planning in the direction of preventive maintenance and repairs in the implementation process of projects.

lifting machines

- Boom Truck Crane 7-15 Ton
- Tower Crane (8 Ton)
- Crane (Tadano) 20 Ton
- Crane (Tadano) 25 Ton
- Crane (Tadano) 30 Ton
- Crane (Tadano) 60 Ton
- Crane (Kobelco) 100 Ton
- Crane (Liebherr) 100 Ton
- Crane (Liebherr) 200 Ton
- Crane (Rapier) 250 Ton
- Lift Truck 3 Ton
- Lift Truck 5 Ton
- Lift Truck 7 Ton
- Lift Truck 10 Ton

Pipeline machines

- Excavator(Komatsu W210) 153 hp
- Excavator(Komatsu PC220) 153 hp
- Excavator(Komatsu PC300) 210 hp
- Excavator(Komatsu PC400) 305 hp
- Excavator(Doosan) 200 hp
- Excavator(Hepco HE100B) 126 hp
- Inverter – Rectifier (3 phase) 400 A
- Electrical Driven Welding Machine (lincoln) 400 A

Road construction machinery or earthworks

- Loader(Komatsu WA380) 180 hp
- Loader(Komatsu W600) 410 hp
- Loader(BM L90) 150 hp
- Loader(BM L120) 180 hp
- Loader BackHoe
- Mini Loader (Bobcat)
- Mini Loader (FORUSE)
- Light Roller (Hepco-Mikasa-JCB)
- Heavy Roller (Komatsu JV100) 100 Ton
- Grader (Komatsu GD661) 180 hp
- Hydraulic Hammers(NPK) / Furu Kawa 1.5 Ton

Ground transportation

- Trailer (2 Axle) 36 Ton
- Trailer (4 Axle) 64 Ton
- Trailer Volvo (F12) 62 Ton
- Trailer Volvo (FH6*4) 96 Ton
- Truck (Model-2624) 26 Ton
- Tractor

Concrete execution

- Batching Plant 30-120 M3/H
- Concrete pump Truck
- Concrete pump
- Truck Mixer Benz (Model-2624) 7-8 M3

Other machinery equipment

- Ambulance and Fire Department
- Air Compressor 600-750 CFM
- Generators (Capacity 5 KVA to 550 KVA)

All kinds of sheds and containers







ODCC

Oil Design and Construction Co.

w w w . o d c c . i r

info@odcc.ir

P.O.Box: 14155-8343

■ **Central Office:**

No. 15, Erfan St.,
North Mirza Shirazi St.,
Shahid Motahari St.,
Tehran - Iran
Post Code: 1586737814

■ **Erfan Building:**

No. 18, Erfan Avey.,
North Mirza Shirazi St.,
Shahid Motahari St.,
Tehran - Iran
Post Code: 1586737814

■ **Pasdaran Building:**

No. 178, Sahid Ayvaz
Tuhidi St, 4th, Golestan St.,
Pasdaran Ave.,
Tehran - Iran
Post Code: 1666943811

■ **Sadr Building:**

No. 33, Sadr St.,
Valiasr Ave.,
Befor Fatemi Ave.,
Tehran - Iran
Post Code: 1594976111

■ P/O.Box: 14155-8343 ■

