

NATIONAL IRANIAN
OIL REFINING &
DISTRIBUTION COMPANY



In the name of GOD



**NATIONAL IRANIAN
OIL REFINING &
DISTRIBUTION COMPANY**



WWW.NIORDC.IR

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Preface

After Masjed Soleiman No 1 oil reservoir was bubbled in the morning of 26th May 1908, Abadan refinery was constructed as first oil refining complex in Iran. Thereinafter, the first oil pipeline from Masjed soleiman to Abadan port was constructed. Thus refining and distribution industries were established in the Middle East.

First Integrated complex to sell and supply domestic oil products also was established in 1929, which named as National Iranian Oil Products Distribution Company (NIOPDC) However, National Iranian Oil Refining and Distribution Company (NIORDC) was established in 26 Feb of 1991 as one of the main petroleum ministry subsidiary.

The aim of NIORDC establishment was to organize oil transportation operation from crude oil production facilities to oil refineries, exportation jetties, oil refining, transportation, production, storage and distribution of oil products, oil depots and facility, responsibility of telecommunication network over all national oil industry area with unique and efficient complex. In addition to departments and administrative sections, NIORDC carry out its operational services by 5 specialized subsidiaries:

- National Iranian Oil Product Distribution Company (NIOPDC) with 37 operational area
- Iran Oil Pipeline and Telecommunication Company (IOPTC) with 12 operational area
- National Iranian Oil Engineering Company (NIOEC)
- Abadan Refinery

In addition, NIORDC has governmental supervision on 9 private refineries involved in Isfahan, Tehran, Bandar Abbas, Tabriz, Imam Khomeini Shazand, Shiraz, Lavan, Kermanshah and Persian Gulf Star refinery.



Capabilities:

NIORDC employs 20000 experienced and specialized human resources in the administrative and operational departments in the field of refining, pipeline and telecommunication, distribution products, construction and engineering. It supervise 10 refineries and using more than 14000 km of pipelines in various sizes which makes it as one of the largest oil complexes in the world. This company also have 194 pump stations, 298 telecommunication centres in 12 operational areas of pipelines, 4318 governmental and private gas stations 2346 CNG stations, 50 aviation jet fuel centre and oil depot and storage with capacity of 13.5 billion litres. It has ability to manage and implement large engineering plans, projects, and the construction of building and oil facilities, which made precious experiences.

Tasks and Duties:

- Production and refining of average 2.28 million barrel per day (bbl/d)
- Transportation, storage and distribution more than 310 million liters per day
- Fuel sustainable supply which require for household, commercial and industrial consumption.
- Supply the daily consumption needs of more than 22 million liters of motor vehicles and aviation jet fuel.
- Increasing the share of compressed natural gas (CNG) in the country's fuel basket by supplying, equipping and updating the transmission and distribution (CNG) infrastructure and equipping the country's vehicle fleet to the consumption system of CNG
- Supply feed of petrochemical companies.
- Increasing quality (oil products specifications) and optimization of fuel consumption according to international standard for reducing air pollution and environment effects and obligations.
- Daily, separation of huge sulfur from oil products in order to improve oil products specifications (according to EURO 4, 5).
- Continuous increase of transfer and strategic storage capacity of crude oil and products and sustainable supply of fuel in cold seasons.
- Creating a suitable and secure platform for financing from domestic and international capital resources and increasing the rate of return on capital to facilitating and accelerating the export process.

Vision, Mission, Values, Goals, Codes of ethics in NIORDC

Vision:

Achievement first place in the region in optimum oil refining capacity, efficient and sustainable transportation and supply of petroleum products according to international standards.

Mission:

NIORDC plays a role for creating value with policy-making and leadership in efficient and stable production, supply, transportation and distribution of petroleum products by using new technologies and observance of national and international standards in the domestic, regional and global markets.

Values:

- Respect to stakeholders rights
- Commitment to responding and citizenship rights observance
- Respect to health, safety and environmental benign
- Believe to learning, team working and innovation
- Respect to professional ethics rule
- Organizational excellency and continual improvement

Goals:

- Increasing production capacity of high value-added petroleum products
- Improving security and stability in supply of petroleum products
- Improving the quality of the product according to international standards
- Increasing efficiency and optimization of energy consumption
- Increasing market share and development of market products

Codes of ethics in NIORDC:

- God-centered
- Following the leadership
- Saving
- Help to people and responsibility
- Dedication
- Team working for public welfare
- Bailment
- Innovation and knowledge orientation
- Respect and humility
- Respect to rule
- Efficiency and continual improvement



The development of the National Iranian Oil Refining and Distribution Company

According to the approval letter no. 79786/T 59762 dated 08/02/2023 board of ministers, National Iranian Oil Refining and Distribution Company has been added to the list of development organizations, so it's expected by improving the value chain and the business and sustainable development of refining industry, The following achievements will be gained:

- Good governance of the refining industry
- Execution of strategic and national planning or doing as Joint Venture.
- Optimizing consumption by using new technologies
- Upgrading technologies and improving crude oil/condensate refining value chain
- Strengthening of business in the field of the company's activities
- Encouraging investors to invest in less developed areas
- Encouraging non-governmental sector to investigate in refining/Petrorefining industries
- Providing business licences and increasing added value by completing the value chain of downstream industries
- Development of infrastructure facilities in field of pipeline, port, jetty, tank, utility and new licence in current governmental conditions.





● **Date of Establishment: 1909**

Production Date: 1912

Capacity: 400,000 bpd

Feedstock: Light crude oil from Ahwaz-Asmari, Heavy crude oil from Central Zone of Darkhovin, Sour crude from Omidiyeh, and Condensates

● **Production Units**

Atmospheric Distillation, Vacuum Distillation, Visbreaker, LPG Recovery, Fluid Catalytic Cracking (FCC), Alkylation, Catalytic Reformer (CRU), Isomerization, Propylene Recovery, Gasoline Hydrotreater, Naphtha Hydrotreater, Sulfur Recovery and related utilities

● **Certificates**

ISO 9001, ISO/TS 29001, ISO 14001,

OHSAS 18001,

ISO 50001, HSE/MS

● **Ownership: NIORDC**

**Average Production of
Main Products (March 2023 - Feb 2024)**

PRODUCT	PRODUCTION RATE (MML/D)
LPG	1.42
GASOLINE	9.8
KEROSENE	0.6
GAS OIL	18.9
FUEL OIL	27.2
NAPHTHA	2.8
HEAVY JET FUEL (ATK)	0.023

● **Contact Details**

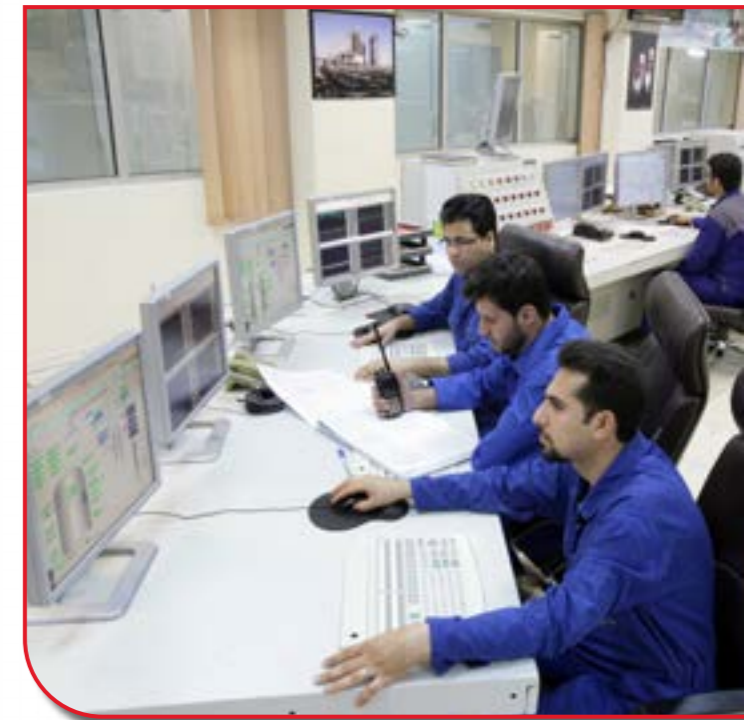
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Website: www.abadan-ref.ir





● **Date of Establishment:** 1989
 Production Date: 1993
 Capacity: 250,000 bpd
 Feedstock: Iranian light crude oil from Ahwaz-Asmari and North Dezfoul

● **Production Units**
 Atmospheric Distillation, Vacuum Distillation, Visbreaker, LPG Recovery, Naphtha Hydrotreater, Gasoline Hydrotreater, Kerosene And Gas Oil, Continuous Catalytic Reformer (CCR), Isomax, Sulfur Recovery, H2 Production, Isomerization, Residue Fluid Catalytic Cracking (RFCC), Reduced Crude Desulfurization (RCD), Propylene Recovery and related utilities

● **Certificates**
 ISO 9001, ISO 14001, ISO 50001, ISO 27001, OHSAS 18001

● **Ownership:** NIORDC

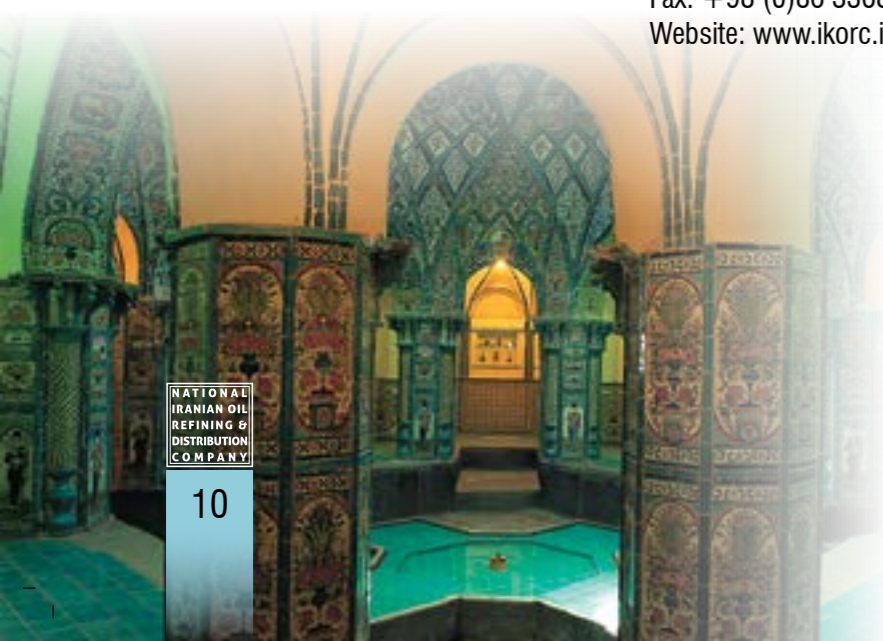
Average Production of Main Products (March 2023 - Feb 2024)

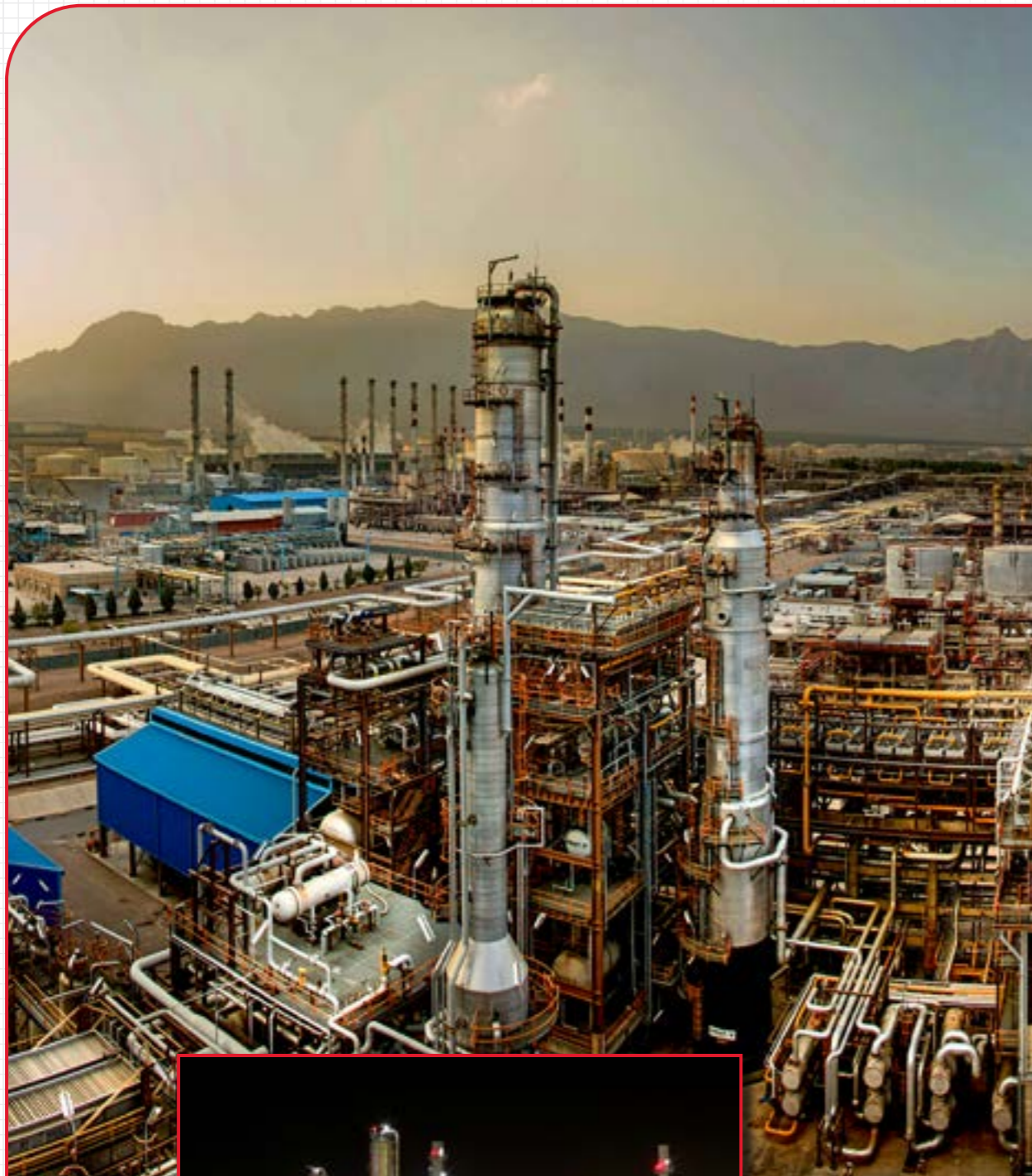
PRODUCT	PRODUCTION RATE (MML/d)
LPG	2.9
GASOLINE	14.53
KEROSENE	1.3
GAS OIL	11.4
FUEL OIL	5.4
HEAVY JET FUEL (ATK)	0.78

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Imam Khomeini
 Shazand Oil Refining Company





● **Date of Establishment:** 1976
 Production Date: 1979
 Capacity: 360,000 bpd
 Feedstock: Iranian light crude oil from Maroon-Shadegan

● **Production Units**
 Atmospheric Distillation, Vacuum Distillation, Visbreaker, Naphtha, Gas oil Hydrotreater, LPG Recovery, Catalytic Reforming (CRU), Continuous Catalytic Regenerator (CCR), Isomax, H₂ Production, Isomerization, Sulfur Recovery and related utilities

● **Certificates**
 ISO 9001 (2008),
 ISO/TS 29001 (2010),
 ISO 14001 (2004),
 OHSAS 18001 (2007)

● **Ownership:** Private sector
 (under the supervision of NIORDC)

**Average Production of
Main Products (March 2023 - Feb 2024)**

PRODUCT	PRODUCTION RATE (MML/D)
LPG	1.7
GASOLINE	11.8
KEROSENE	0.94
GAS OIL	24.75
FUEL OIL	6.95
HEAVY JET FUEL (ATK)	0.5
NAPHTHA	0.473

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 Website: www.eorc.ir



● **Date of Establishment:** 1992
Production Date: 1997
Capacity: 350,000 bpd
Feedstock: Heavy crude oil, Condensates

● **Production Units**
Atmospheric Distillation, Vacuum Distillation, Visbreaker, LPG Recovery, Kerosene & Gas oil Hydrotreater, Naphtha Hydrotreater, Isomerisation, H2 Production, Continuous Catalytic Reformer (CCR), Isomax, Sulfur Recovery and related utilities

● **Certificates**
ISO 9001 (2008), ISO 14001 (2004), ISO/TS 29001 (2010), ISO 50001 (2011), ISO/IEC 17025 (2010), HSE/MS, OHSAS 18001 (2007), IMS

● **Ownership:** Private sector
(under the supervision of NIORDC)

**Average Production of
Main Products (March 2023 - Feb 2024)**

PRODUCT	PRODUCTION RATE (MML/d)
LPG	0.99
GASOLINE	10.9
KEROSENE	1.1
GAS OIL	17.99
FUEL OIL	10.6
JET FUEL ATK	0.6
NAPHTHA	0



● **Contact Details**
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Fax: +98 (0)76 33564157
Website: www.baorco.ir





● **Date of Establishment:** 1974
 Production Date: 1978
 Capacity: 110,000 bpd
 Feedstock: Crude oil from Ahwaz-Asmari- Maroon and North Dezful

● **Production Units**
 Atmospheric Distillation, Vacuum Distillation, Visbreaker, LPG Recovery, Naphtha and Kerosene & Gas oil Hydrotreater ,H2 Production, Benzene Extraction, Catalytic Reforming (CRU),Continuous Catalytic Reformer (CCR), Isomax, Sulfur Recovery, related utilities

● **Certificates**
 ISO 9001 (2008), ISO 14001 (2004), ISO/TS 29001 (2010), OHSAS 18001 (2007)

● **Ownership:** Private sector (under the supervision of NIORDC)

Average Production of Main Products (March 2023 - Feb 2024)	
PRODUCT	PRODUCTION RATE (MML/D)
LPG	0.28
GASOLINE	3.1
KEROSENE	0.58
GAS OIL	6.2
FUEL OIL	3.6
JET FUEL ATK	0.12

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 Website: www.tbzrefinery.co.ir





● **Date of Establishment:** 1965
 Production: 1969 (south division), 1973 (north division)
 Capacity: 250,000
 Feedstock: Iranian Light crude oil from Ahwaz-Asmari,
 Crude oil of Maroon-North Dezful

● **Production Units**
 Atmospheric Distillation, Vacuum Distillation, Visbreaker,
 LPG Recovery, Naphtha Hydrotreater,
 Kerosene Hydrotreater, Gas oil Hydrotreater, H2 Production,
 Isomerization, Catalytic Reforming (CRU), Isomax, Sulfur
 Recovery and related utilities

● **Certificates**
 ISO 9001 (2008), ISO 14001 (2004), ISO/TS 29001 (2007),
 OHSAS 18001 (2007), ISO 50001 (2011), HSE/MS

● **Ownership:** Private sector
 (under the supervision of NIORDC)

Average Production of
 Main Products (March 2023 - Feb 2024)

PRODUCT	PRODUCTION RATE (MML/d)
LPG	0.9
GASOLINE	6.15
KEROSENE	0.024
GAS OIL	13.3
FUEL OIL	6.8
JET FUEL ATK	2

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 Postal Code: 1879913111
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 Website: www.tehranrefinery.ir





● **Date of Establishment:** 1971
 Production Date: 1973
 Capacity: 56,000 bpd
 Feedstock: Crude oil from Gachsaran, Sarvestan and Sa'adat Abad, Condensate from Dalan and Aghar fields

● **Production Units**
 Atmospheric Distillation, Vacuum, Distillation, Visbreaker, LPG Recovery, Naphtha Hydrotreater, Kerosene Hydrotreater, H₂ Production, Catalytic Reforming (CRU), Isomax, Sulfur Recovery and related utilities

● **Certificates**
 ISO 9001 (2008), ISO 14001 (2004), OHSAS18001 (2007), (IMS)

● **Ownership:** Private sector
 (under the supervision of NIORDC)

Average Production of Main Products (March 2023 - Feb 2024)	
PRODUCT	PRODUCTION RATE (MML/D)
LPG	0.2
GASOLINE	1.4
KEROSENE	0.06
GAS OIL	3.6
FUEL OIL	1.5
JET FUEL	0.16

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 Website: www.sorc.ir





● **Date of Establishment:** 1919
 Production: 1922
 Capacity: 22,000
 Feedstock: Crude oil from Naftshahr, Sarkan, MalehKouh and Ahwaz-Asmari

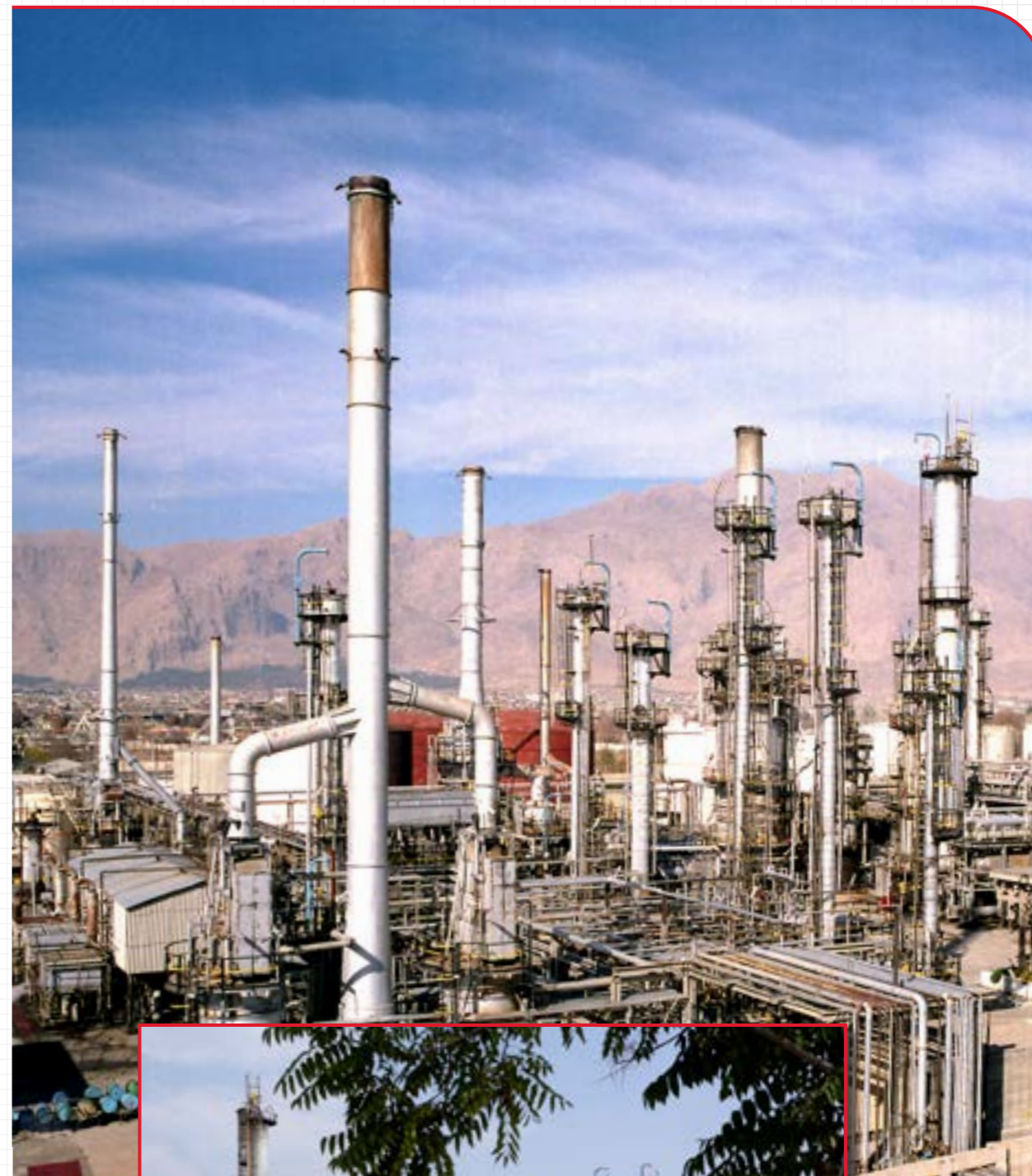
● **Production Units**
 Atmospheric Distillation, LPG, Recovery, Naphtha Hydro-treater, Kerosene Hydrotreater, Catalytic Reforming (CRU), Pentane Production Plant and related utilities

● **Certificates**
 ISO 9001 (2008), ISO 14001 (2004), ISO/TS 29001 (2010), OHSAS 18001 (2007) (IMS)

● **Ownership:** Private sector
 (under the supervision of NIORDC)

Average Production of Main Products (March 2023 - Feb 2024)	
PRODUCT	PRODUCTION RATE (MML/d)
LPG	0.04
GASOLINE	0.43
KEROSENE	0.3
GAS OIL	0.68
FUEL OIL	1.13
JET FUEL	0

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 Fax: +98 (0)83 3 8363022
 Website: www.korc.ir





● **Date of Establishment:** 1975

Production Date: 1976

Capacity: 50,000 bpd

Feedstock: Crude oil from Lavan oil fields, Condensate from South Pars

● **Production Units**

Atmospheric Distillation, Vacuum Distillation, LPG Recovery, Naphtha Hydrotreater, Kerosene Hydrotreater, Gas oil Hydrotreater, Catalytic Reforming (CRU), Isomerization and related utilities

● **Certificates**

ISO9001 (2008), BS EN ISO9002 (1994), ISO14001 (2006), ISO/TS29001 (2010), ISO50001 (2011), OHSAS 18001 (1999)

● **Ownership:** Private sector

(under the supervision of NIORDC)

**Average Production of
Main Products (March 2023 - Feb 2024)**

PRODUCT	PRODUCTION RATE (MML/d)
LPG	0.1
GASOLINE	2.72
GAS OIL	2.4
KEROSENE	0
FUEL OIL	1.7
JET FUEL	0

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Fax: +98 (0)21 33130116, 098 (0) 71 3 8316250

Website: www.lorc.ir



● **Date of Establishment:** 2007
 Production: 2017
 Capacity: 360000
 Feedstock: Condensates of south pars

● **Production Units**
 Atmospheric Distillation, LPG Recovery, Kerosene & Gas oil Hydrotreater, Naphtha Hydrotreater, Isomerisation, H2 Production, Continuous Catalytic Reformer (CCR), Sulfur Recovery and related utilities

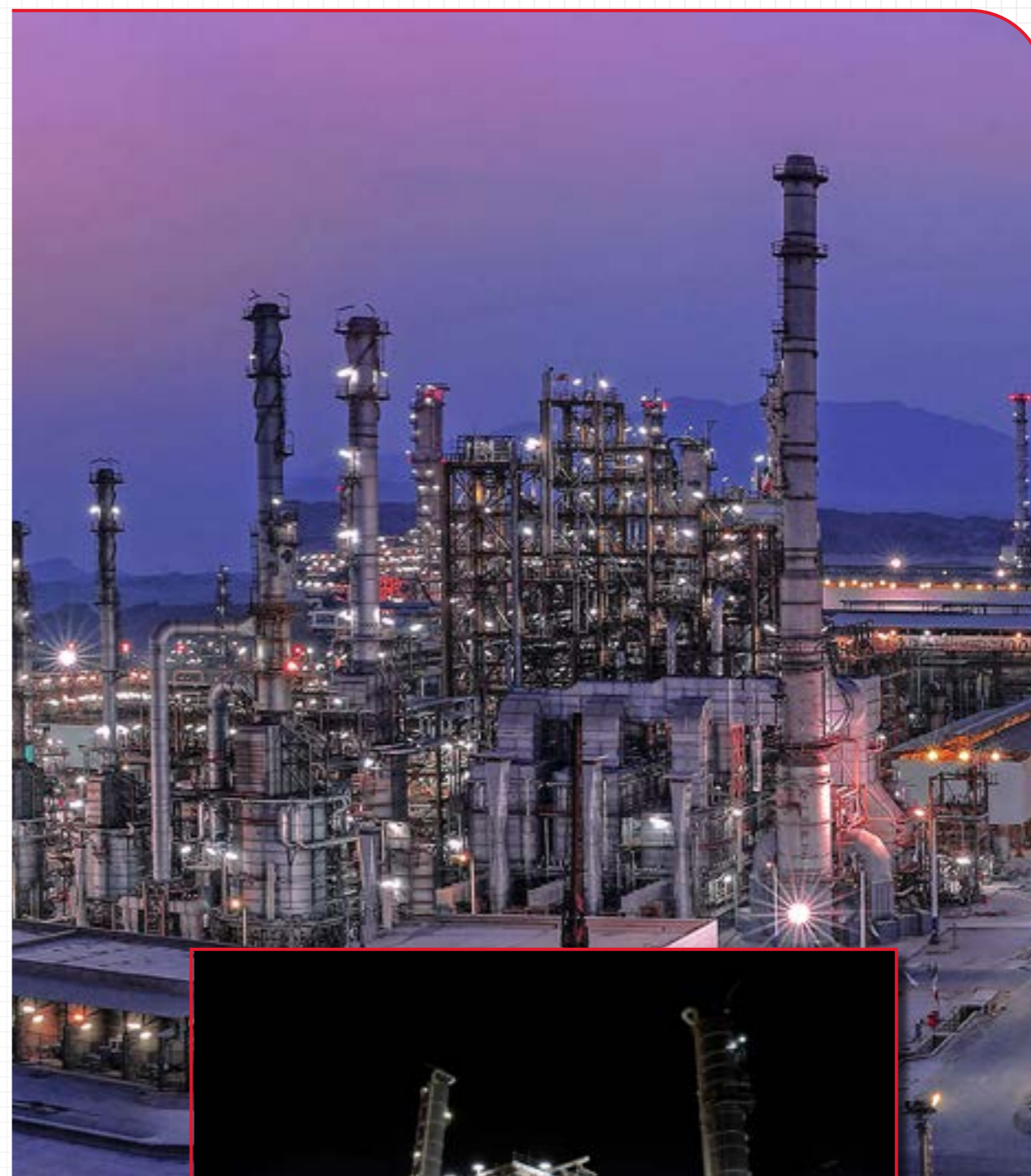
● **Certificates**
 ISO 9001 (2008), ISO 14001 (2004), ISO/TS 29001 (2010), ISO 50001 (2011), ISO/IEC 17025 (2010), HSE/MS, OHSAS 18001 (2007), IMS

● **Ownership:** Private sector
 (under the supervision of NIORDC)

**Average Production of
 Main Products (March 2023 - Feb 2024)**

PRODUCT	PRODUCTION RATE (MML/D)
LPG	1.8
GASOLINE	36.3
KEROSENE	2.7
GAS OIL	10.96
FUEL OIL	0
JET FUEL ATK	0
NAPHTHA	0

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 Website: www.pgsoc.ir



**Persian Gulf Star
 Oil Refining Company**



National Iranian Oil Products Distribution Company (NIOPDC) was established in 1928, thus contributing to supplying and distribution of petroleum products in the country for over 85 years. NIOPDC, with more than 6,243 employees and about 10,000 contractors, utilizes the following facilities to perform its duties:

- 37 regions
- 228 districts
- 4318 vehicle fuel stations
- 2346 CNG fuel stations
- 54 aviation fuel stations
- 12,000 oil tankers, trucks and LPG carriers
- 5 marine tankers and floating vessels
- 13.55 billion liters of storage facilities for the main refined products

NIOPDC is responsible for managing the supply and supervising over the daily distribution of more than 200 million liters of different petroleum products throughout the country. The Company's organizational structure has 9 management department including Finance , Commercial , Import & Export, Planning, supply & Distribution, Fuel Smart Card System, Operation, Human Resources, Engineering, Projects, CNG and also 9 immediate sections including HSE, Legal , Technical Inspection, Research and Development, Security, Internal Audit, Public Relations and Auction Commission.

NIOPDC is keen to achieve its mission and fulfil its goals by utilizing advanced technologies, modernizing the all operational and administrative affairs with the purpose of obtaining the highest rank, in petroleum products distribution industry, in the region.



Capabilities

- Planning and outlining strategies of petroleum product distribution
- Management and distribution of petroleum products and CNG
- Monitoring the distribution operations
- Maintenance of installations related to storage and distribution of petroleum products
- Installation of storage tanks for petroleum products
- Implementation and supervision of Smart Card Center for Gasoline and Gas oil distribution

Average Production of
Main Products (March 2023 - Feb 2024)

PRODUCT	2019	2020	2021	2022	Feb 2024
LPG	9.65	9.9	9.2	8.82	5.95
GASOLINE	89.67	75,53	87.26	104.78	115.2
KEROSENE	6.17	5,030	4.58	4.57	4.46
GAS OIL	102.15	101,150	106.66	112.51	113.3
FUEL OIL	15.38	19,360	22.94	25.99	21.55
TOTAL	223.02	210,97	230.64	256.67	260.41

Milion Lit/day



Contact Details

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 Website: www.niopdc.ir

IOPTC is another major subsidiary company of NIORDC, whose mission is to transfer crude oil to refineries and oil products to domestic and export area. IOPTC perform an efficient role in blossoming and optimizing the national economy.

IOPTC utilize 194 oil transport installations, pressure reduction and securely to daily transfer crude oil from production fields to the 7 refineries. Also IOPTC is responsible for receiving the petroleum products (including gasoline, kerosene, gas oil, fuel oil and jet fuel) from refineries and import terminals, transferring the refined or imported products to the storage depots throughout the country, supplying fuel for some power plants and airports, supplying a part of petrochemical feedstock and generally controlling a network with the transfer capacity of 189 billion liters of oil and petroleum products per year using 14,000 km of pipelines and 298 telecommunication stations.

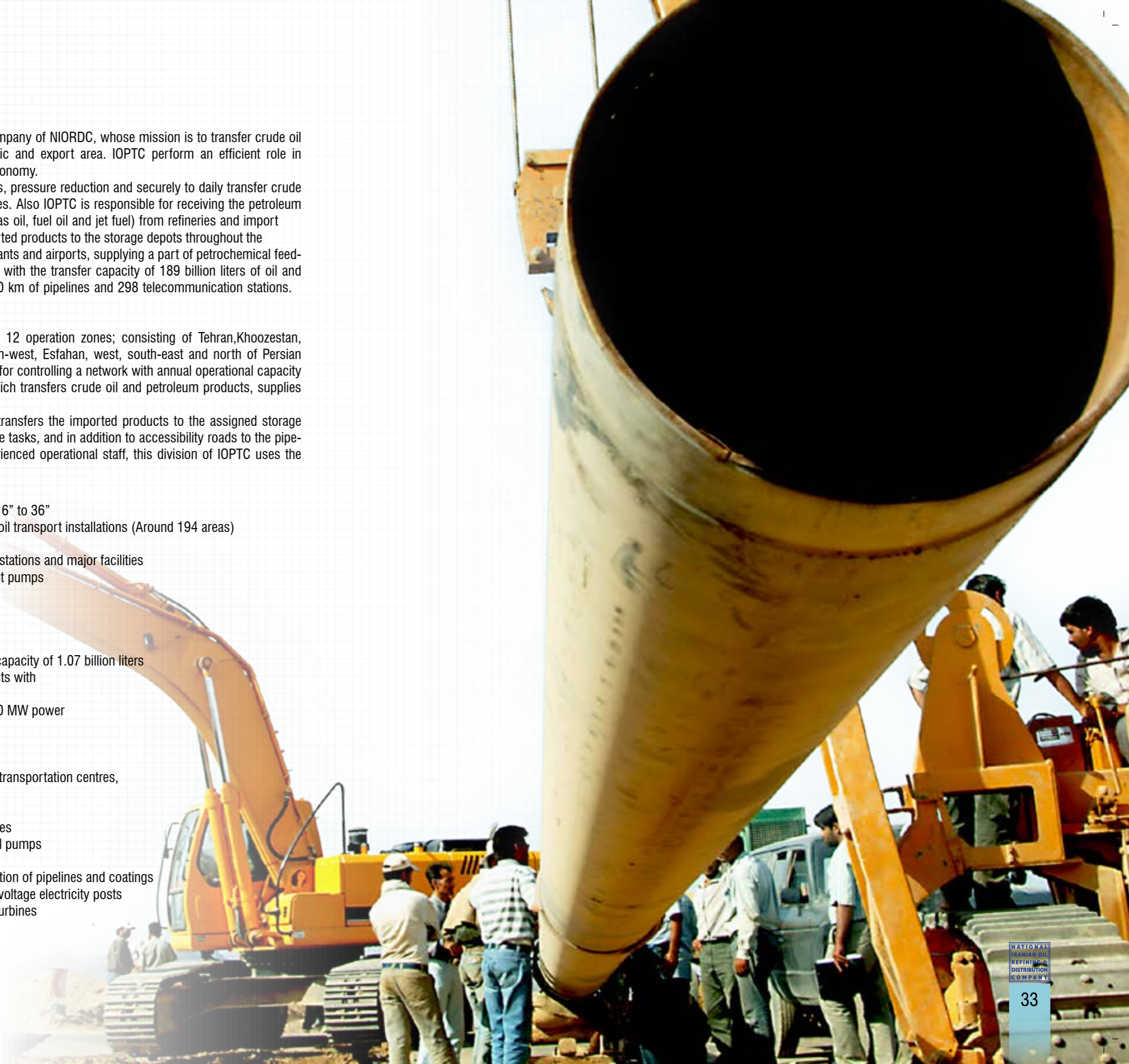
Pipeline Management

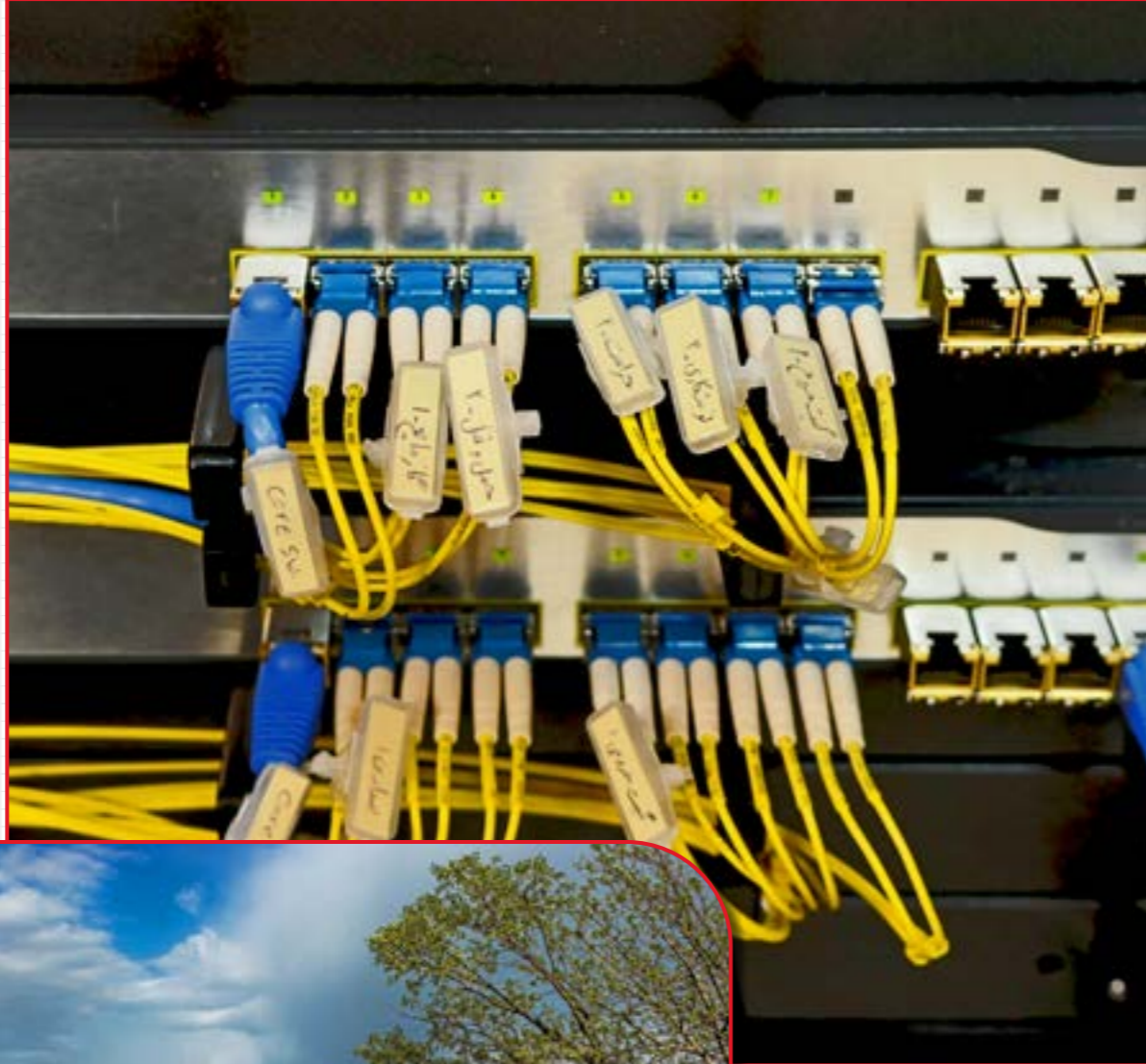
This division performs its tasks through 12 operation zones; consisting of Tehran, Khoozestan, Lorestan, Markazi, north-east, Fars, north-west, Esfahan, west, south-east and north of Persian Gulf. Pipeline management is responsible for controlling a network with annual operational capacity of more than 56 billion ton-kilometres which transfers crude oil and petroleum products, supplies the refineries, transfers the products of refineries, and transfers the imported products to the assigned storage tanks. In order to succeed in fulfilling these tasks, and in addition to accessibility roads to the pipelines and benefitting from the most experienced operational staff, this division of IOPTC uses the following facilities:

- 14,000 km of pipelines, with a range of 6" to 36"
- pump stations, pressure reduction and oil transport installations (Around 194 areas)
- 320 cathodic protection (CP) stations
- 1,350,000 HP Power Installed in pump stations and major facilities
- 375 sets of main pressure enhancement pumps
- 163 sets of turbine
- 248 sets of electromotor
- 24 sets of turbo generator
- 3 sets of variable speed electromotor
- 42 storage tanks for crude oil with the capacity of 1.07 billion liters
- 198 storage tanks for petroleum products with the capacity of 950 million liters
- 161 substations, 20 and 33 kV with 180 MW power
- 17 substations, 63 kV

Capabilities

- Construction and commissioning of oil transportation centres, pipelines and other facilities
- Utilization of oil transportation centres
- Maintenance and overhaul of gas turbines
- Maintenance and overhaul of centrifugal pumps
- Fuelling the power plants
- Debottlenecking, revamping and renovation of pipelines and coatings
- Installation and commissioning of high voltage electricity posts
- Installation and commissioning of gas turbines





Telecommunications Management

Without an efficient telecommunication network, successful transportation in oil industry is not conceivable. This division of IOPTC is responsible to ensure smooth industrial communication of all the parts and aspects of this industry including long-distance, local, audio, visual, digital, cyber communication of pipeline system with a safety factor of 99.99%. It also interconnects the subsidiaries of NIORDC and some of other affiliates of the Ministry of Petroleum, using the following facilities:

- Radio network including 293 radio stations with 2,000,000 km E1 capacity
- Telephone network including 250 telephone centres with 75,000 numbers and various capacities
- 150,000 km of subterranean and internal cable network in various couples
- Management phone network (K-system) including 300 sets with the capacity of 2,700 ports
- IP network (MPLS/ VPN) for secure connection in WAN network
- VHF mobile phone network along pipelines and in the refineries with 100,000 km² coverage
- Integrated management K-system in WAN network
- Industrial and non-industrial vocal systems for fire alarm, firefighting, and operation
- 100 satellite terminals for temporary needs, emergencies and critical situations
- 4,000 km of 16 & 24-line optical fiber for supporting telecommunication and data transferring, increasing needs, and other facilities like distance education, telemedicine, video conferencing (SCADA), internet connections
- WAN and LAN networks in 165 stations
- Data network with Bandwidth of 3000 Gbps within WAN network

Capabilities

- Designing, installation and commissioning of microwave radio networks and V.H.F
- Designing, installation and commissioning of IP-Based switch network in the oil industry
- Designing, installation and commissioning of vocal systems, especially for industrial application
- Repairing, maintenance and utilization of optic fiber, radio and telephone networks
- Examining the IP-Based network in 3 network layers



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The National Iranian Oil Engineering and Construction Company (NIOEC), as one of the subsidiaries of NIORDC, is responsible for the implementation of downstream projects, including the construction of refineries and storage tanks, and installation of crude oil and products pipelines throughout the country.



A. Refinery Implementation, Upgrading & Capacity Expansion Projects: Major Experiences of NIOEC

- Construction of Imam Khomeini Shazand Refinery
- Construction of Bandar Abbas Refinery and Increasing Gasoline Production
- Construction of oil plant in Esfahan Refinery
- Debottlenecking of Bandar Abbas Refinery's capacity
- Modernization and upgrading of Abadan Refinery (phase 1)
- Process optimization and product quality improvement of Tehran Refinery
- Capacity increment and product quality improvement of Imam Khomeini Shazand Refinery

Under construction projects:

- Process development and optimization of Esfahan Refinery
- Development and capacity stabilization of Abadan Refinery

B. Pipeline construction and Utility Projects:

- Installation of more than 14,500 km of crude oil and refined product pipelines
- Construction of more than 170 pump stations
- Construction of more than 100 Countrywide oil storage tanks and storage facilities for petroleum products
- Increment the transferring capacity of Bandar Abbas-Rafsanjan route
- Crude oil transferring of from CIS Countries (phase 1)
- Increment of transferring capacity of Imam Taghi-TorbatHeydariyeh route
- Increment of transferring capacity of Tabriz-Miyandoab route
- Construction of Ardebil oil depot
- Construction of Abadan-Mahshahr pipeline
- Construction of a complimentary 26" pipeline (for fuel oil) from Black Area to Mahshahr exporting port
- Construction of Rey-kan and Rey-ghochak pipeline
- Construction of 11 storage tank in Abadan Refinery project
- Construction on stabilizer Tanks of Sari/ Maghanak Project
- Construction of condensate pipeline from Farashband to Shiraz



Under construction pipeline projects:

- Construction of pump stations and terminals for Abadan-Mahshahr pipeline
- Construction of Tabriz-Orumiyeh pipeline(supplementary)
- Construction of Rafsanjan- Yazd pipeline(16 inch)and development of pump station centre
- Construction of Sabz Ab-Rey Sour crude pipeline
- Construction of new Bandar Abbas-Sirjan-Rafsanjan Pipeline
- Construction of Tehran side-way pipeline
- Construction of Goureh-Jask Crude Oil Pipeline Project and Jask Installation

Overseas Projects

- Construction of a Gasoline Production Unit in Turkmenbashi Refinery, Turkmenistan implemented in 2001.
- Overhaul of El Palito refinery in Venezuela

Oil Jetty and Port Projects:

- Rehabilitation of Mahshahr exporting port
- Development of Shahid Rajaei Jetty and Bandar Abbas steel complex



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According to governmental evolution document, the following projects will be consider base on operational character plan to end of activity of current government (August 2025):

- Construction of Mehr Persian Gulf petro-refinery
- Construction of Adish Jonubi refinery
- Construction RHU unit in Isfahan refinery
- Construction Development and stabilization plan in Abadan refinery
- Construction of Bandar Abbas- Sirjan- Rafsanjan pipeline (26")

Refining/Petro-refining Projects

● The projects which have been defined and confirmed according to law of the parliament as named "supporting rule of downstream industry development with people investment"

Crude oil Feedstock

- Entekhab Jask Petro-refinery (Entekhab investment Company)
- Morvarid Mokran Petro-refinery (Energy Mofid Mokran development Company)
- Jask Ghadir Oil Refinery (Ghadir Investment Company)
- Negin Mokran Petro-refinery (Shastan Investment Company)
- Lavan oil Refinery (Social Secure Investment Organization)

Condensate Feedstock

- Setareh Sabz Siraf Refinery (Oil and Gas Parsian development Group Company)
- Pishgaman Siraf Refinery (Pishgaman Siraf development refining Company)
- Javid Energy Parto Refinery (Javid Energy Parto Company)

Projects which have feedstock agreement by planning deputy of ministry of petroleum.

- Anahita Petro-refinery
- Khuzestan Refinery
- Mehr Persian Gulf Refinery
- Adish Jenubi Refinery
- Shahid Soleimani Petro-refinery (Base on budget law in 1401)

Shahid Soleimani Petro-refinery project which located in Hormozgan province and Bandar Abbas city has special priority base on budget law



■ Shahid Soleimani Petrorefinery Project

The aim of Shahid Soleimani petrorefinery project is to produce oil products and increasing refining capacity according to government agreement. The chain value will develop by producing petrochemical products such as ethylene, propylene, benzene, xylene and toluene. The capacity of petrorefinery is 300 Mbb/d and located in Hormozgan province, Bandar abbas city beside Persian Gulf refinery. The area allocated is around 650 Hectare which other advantage of current area include the coastal location and access to ocean, oil products pipeline, storage facilities and use of nearby refineries facilities such as hydrogen, nitrogen and power.

There were used heavy oil as feedstock to choose the best scheme to produce petrochemical and oil products.

The petrochemical plants such as DCU, BTX and STC attached to refinery to improve economic value of projects. The finance require to construct petrorefinery with petrochemical plants (E) is 9 billion \$.

■ Fuel Oil Upgrading National Projects (Project in Bandar Abbas Refinery)

Fuel oil upgrading is an important project not only in Bandar Abbas oil refinery but also in Petroleum ministry. The aim is to reduce quantity of fuel oil and to improve products quality with higher added-value which are environment benign. Due to requirements to reducing fuel oil, low consumption in domestic and foreign markets and its low price for export, the project is being done. On the other hand due to the import of sponge coke and lack of production in the country and negotiations with aluminum companies and Imidro organization to supply required coke, project implementation process of fuel oil upgrading changed by new process design base on producing sponge coke. It means to stop importing sponge coke from abroad.

Project execution reasons:

- Obligation and government issue about environment protection and reducing fuel oil production (maximum production is 10% of feed)
- New regulations and limitations from International Marine Organization(IMO 2020) for reducing sulfur content of fuel oil (Maximum 0.5% wt)
- Increasing natural gas production in country and reducing fuel oil consumption in power plants
- Decreasing fuel oil consumption in our country and world shows that it requires to improve residue quality and produce high value-added products.
- Confronting with the sanctions and threats ahead to achieve self- sufficiency by producing sponge coke.



Project consequences:

- For the first time, producing 370 000ton sponge coke in year which is require for Aluminum industries
- The country don't need to import sponge coke to cut its dependence on foreign countries
- Acquiring local knowledge of sponge coke production based on completely Iranian technical knowledge
- Reducing quantity of fuel oil (Maximum production10%)
- Reducing sulfur contents of fuel oil to maximize 0.5 wt%
- Conversion fuel oil to high value-added products with new technology
- Producing valuable and environment compatible products
- Improve economic performance
- Creating jobs
- Also, one of important achievements of this project is to produce14000 tons of propylene as feed for the petrochemical industry which means Bandar abbas refinery change to petrorefinery and to prevent the outflow of foreign exchange by producing this strategic material.



The most important actions taken

- Providing technical knowledge and performing basic design to process units (13 unit) by Research Institute of Petroleum Industry (RIPI)
- Perform basic design of utility and offsite units (15 unit) by Bandar Abbas refinery experts
- Negotiation and agreement for the supply and basic design of the sponge coke calcination unit with a company with technical knowledge
- Analyzing the consumption and product market of the Pitch
- Registration of quality improvement plan for heavy products of Bandar Abbas refinery in the system of the ministry of oil in order to finance public capital
- Obtaining approval for the implementation of the plan to optimize and improve the quality of residue from the deputy minister of planning in petroleum ministry
- Obtain a permit for late payment of feed from the national development fund
- Signing the agreement of financing required with Tejarat Bank
- Conducting geotechnical studies and resistance materials of earths
- Mapping of project lands
- Environmental impact assessment studies by Hormozgan science and technology park
- Hydrological studies of project lands and refinery
- Hazop & Hazid studies
- Basic design studies in the telecommunications sector
- Implementation of a new sewerage network in the project area
- Estimation the cost of plan in the form of EPC, compilation and preparation of tender documents of EPC and performing relevant ceremonies to select contactors for two projects of process and utility units



Schedule the implementation of project

BASIC ENGINEERING STUDIES	2020/03/02 to 2022/02/09
INSERT REQUIREMENT TENDER FOR SELECTION OF CONTRACTORS	JUNE 2021
EVALUATE AND APPROVE THE TECHNICAL AND EXECUTIVE COMPETENCE OF CONTRACTORS AND CONSORTIA	AUGUST 2021 TO MAY 2022
HOLDING A TENDER FOR EPC AND DISTRIBUTION OF TENDER DOCUMENTS	JUNE, JULY AND AUGUST 2022
SELECTION OF EXECUTIVE CONTRACTOR	SEPTEMBER 2022
STARTING A CONTRACTOR FOR EPC	APRIL 2023
COMPLETION OF THE CONSTRUCTION PROCESS OF SIDE UNITS(3 YEARS)	OCTOBER 2026
COMPLETION OF THE CONSTRUCTION OF PROCESS UNITS(3 YEARS)	APRIL 2027

Total progress of project till end of Feb 2024

NO. DESCRIPTION	WEIGHT %	PLAN %	ACTUAL%
1 TOTAL PROJECT PROGRESS	100	100	6.3
2 BASIC DESIGN OF PROCESS UNITS	55	100	99
3 BASIC DESIGN OF SIDE UNITS AND OFFSITE	43	100	100
4 PREPARATION OF TENDER DOCUMENTS	0.75	100	100
5 ANNOUNCEMENT ADVERTISEMENT	0.2	100	100
6 SELECTION OF CONTRACTOR	0.3	100	100
7 ESTIMATE SCOPE OF WORK AND COST	0.75	100	100

■ Oil Products Transportation Pipeline to Fars Province (Pars Pipeline)

Executive Corporation: NIORDC

Client: NIOEC

Operator: IOPTC

Financing: Bank Credit and Budget (Own, Equity) Resources of NIORDC

Credit Repaid Resource: 12 Matter of the Rule of Production Problem Resolving

Pipeline Transfer Capacity: 73000 bbl/d (12 Million Lit/d)

Scope of Work: Construction of 400 Km pipeline (14 inch), 2 Pumping Station, 1 Terminal and Construction of oil Storage tank by Capacity of 80 Million liters in Fasa city and Development of Shiraz Oil Storage.

Direction of Pipeline: Mehraran, Fasa and Shiraz

Project Starting time: 2024

Finance Value: 106 Million Euro

Project Construction time: 4 years

Type of Agreement (Contract): EPC +F

Targets:

- Optimization of oil products distribution and demand requirements in Fars province
- Increasing oil products transfer portion through pipeline
- Reducing fuel consumption with lower road transportation by trucks
- Improving oil storage capacity in Fars province



■ **Tabesh Pipeline (Supplying energy in east market)**

Oil Products Transportation Pipeline from Rafsanjan, Birjand, Torbat Heydarieh to Mashhad

Executive Corporation: NIORDC

Client: NIOEC

Operator: IOPTC

Financing: Bank Credit and Budget (Own, Equity) Resources of NIORDC

Credit Repaid Resource: 12 Matter of the Production Problem Resolving Rule

Transfer Capacity: 150000 bbl/d (25 Million Lit/d)

Scope of Work: 896 Km Pipeline (22 inch) and 52Km Pipeline (18 inch), 2 Pumping Station, 3 Terminal.

Direction of Pipeline: Rafsanjan to Mashhad and pass from 3 provinces (Kerman, South Khorasan and Khorasan Razavi) length of 948 Km

Finance Value: 372 Million Euro

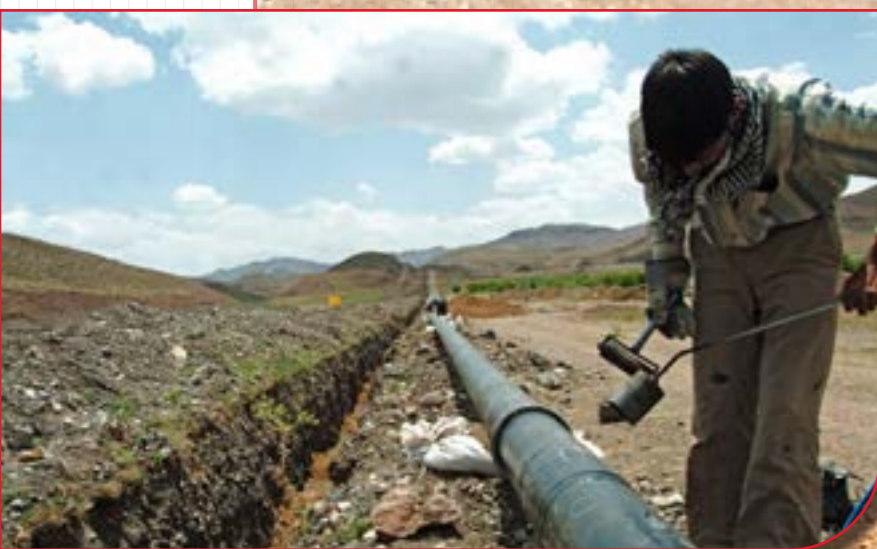
Project starting time: 2024

Project construction time: 4 years

Type of Agreement (Contract): EPC +F

Targets:

- Transfer 150000 bbl/d oil products
- Stable supply of oil products requirement in east and north east of Iran (Kerman , South Khorasan and Khorasan Razavi provinces)
- Decreasing oil transfer duration
- Reducing transfer cost and oil consumption
- Facilitate oil export to neighbors
- Replacing pipeline with road transportation
- Making corridor to north, north east and north south.



■ **Petroleum products storage project (Shahid Mahdavi) in Bandar abbas, Hormozgan provience**

Executive Corporation: National Iranian Oil Refining and Distribution Company (NIORDC)

Operator: Transportation oil products companies

Financing: Transportation Companies

Scope of work:

Construction of 18 tank by 600 million liters as follow:

- 8 Floating roof gasoline tanks by total capacity 320 million liters
- 2 Floating roof gasoline tanks by total capacity 40 million liters
- 4 Fixed roof gas oil tanks by total capacity 160 million liters
- 4 Fixed roof gas oil tanks by total capacity 80 million liters



Construction Area: Jamal Ahmad village in Bandar Abbas, Hormozgan Province

Construction and finance method: BOT

Facility:

Security building, Admin Building, workshop, Firefighting station, Generator building, storage tank building, power and control, parking car,

Financing value: 85million Euro

Project starting time: 2024

Project Construction time: 3 Years



Goals:

- Development of oil products storage tanks due to construction of Shahid Soleimani & Mehr Persian Gulf petrorefinery besides current refineries.
- Increasing capacity of strategic storage tank
- Implimention huge centre of oil products storage in south coast of country
- Continuity secure production and distribution of oil products
- Completion of chain export of oil products by marine and road

