

- 
- Production Companies
 - Plans
 - Service Companies

In the name of God





Prepared by _____

The group's foresight management, business portfolio and planning

Collaborating units: _____

The group's production and supply chain management _____

The group's development plans management _____

Communication management and brand development _____

Project manager: _____

Engineer Mohsen Yousefi _____

Experts: _____

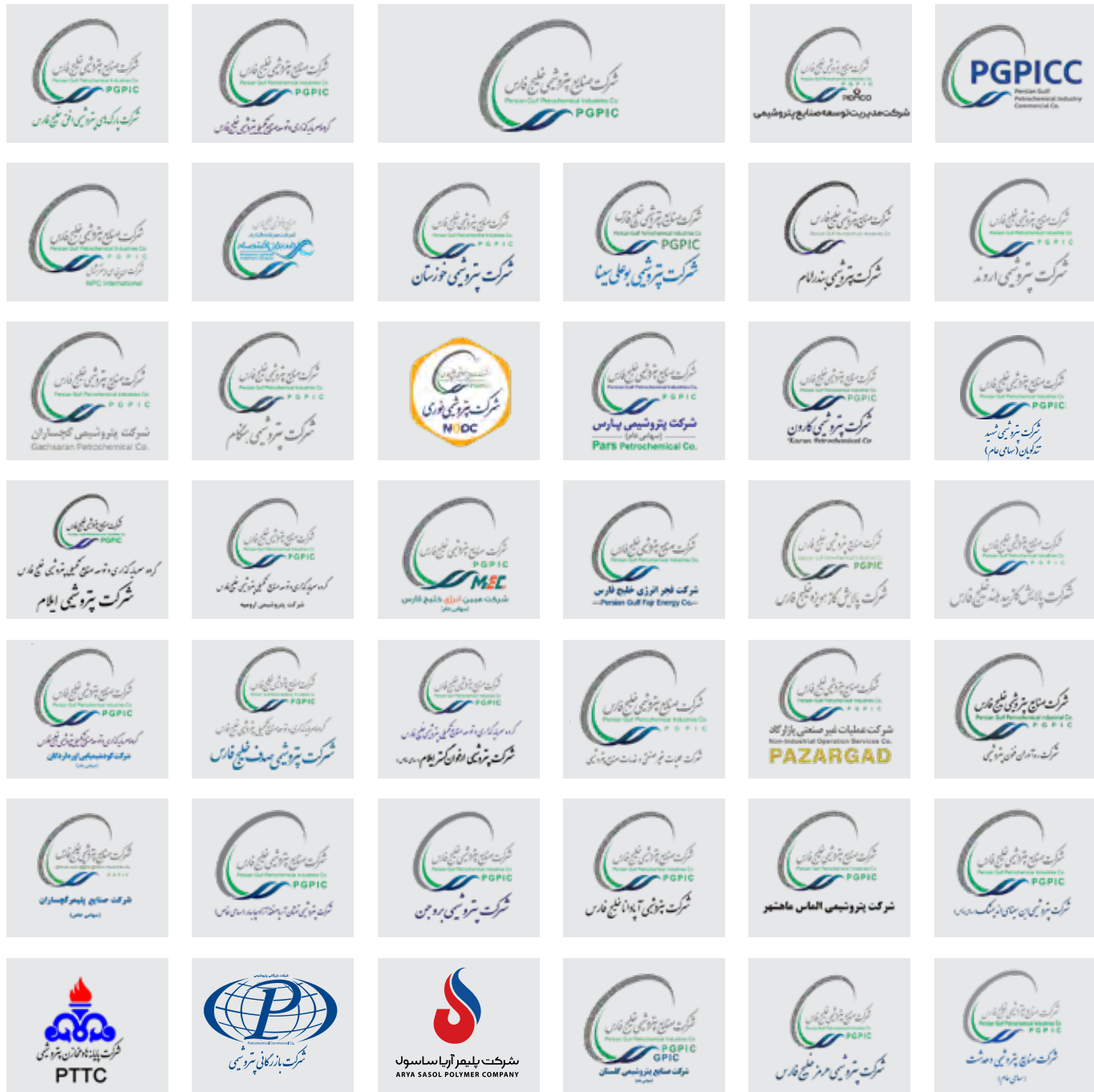
Masoumeh Behvandi, Mina Jafari and Hamed Bahari _____

Design and graphics: _____

Kambiz Khosravi _____

Revision 01: _____

Ordibehesht 1403 _____



Mahshahr Region Production Complexes	12
Arvand Petrochemical Co.	15
Bandar Imam Petrochemical Company	18
Bouali Sina Petrochemical Co.	24
Khuzestan Petrochemical Co.	28
Shahid Tondguyan Petrochemical Company	32
Karun Petrochemical Co.	36
Asaluyeh Region Production Complexes	40
Aryasasol Petrochemical Co.	42
Pars Petrochemical Co.	46
Nouri Petrochemical Company	50
Hengam Petrochemical Co. (Phase) 1	54
Production Complexes in other areas	56
Persian Gulf Bidboland Gas Refining Co.	58
Persian Gulf Gas Refining Co.	62
Gachsaran Petrochemical Co.	64
Urmia Petrochemical Co.	68
Ilam Petrochemical Co.	72
Lordegan Chemical Fertilizer and Urea Company	76
Utility Supply Companies	80
Persian Gulf Fajr Energy Co.	82
Persian Gulf Mobin Energy Co.	86
Ongoing Projects	90
Andimeshk Ibn Sina Petrochemical Co.	92
Almas Mahshahr Petrochemical Co.	94
Persian Gulf Apadana Petrochemical Company	97
Borujen Petrochemical Company	100
Taftan Aria Petrochemical Company	102

Gachsaran Polymer Petrochemical Company	104
Dehdasht Petrochemical Company	106
Golestan Petrochemical Company	108
Persian Gulf Hormuz Petrochemical Company	110
Hengam Petrochemical Company (Phase 2)	115
Pars Petrochemical PDH/PP Project	118
Persian Gulf Bidboland PDH/PP Project	120
Arghavan Gostar Ilam Petrochemical Company	123
Avat Oraman Petrochemical Company	126
Lordegan Petro Armand Chemical Industry Co.	129
Petro Parak Pouya Petrochemical	132
Petro Faraz Hooran Petrichemal Co.	134
Persian Gulf Sadaf Petrochemical Company	137
Kazerun Petrochemical Company	140
Mamasani Petrochemical Company	142
Negin Sonqor Petrochemical Company	145
Service and Investment Companies	148
Persian Gulf Petrochemical Complementary Industries Development and Investment Group (Petrol)	150
NPC International Company	152
Petrochemical Commercial Company	154
Petrochemical Terminals and Tanks Company	156
Persian Gulf Ofog Petrochemical Parks Co.	158
Persian Gulf Petrochemical Tejarat Sanat Co.	160
Rahavaran Fonoon Co.	163
Pazargad Non Industrial Operation Services Co.	164
Petrochemical Non-Industrial Operations & Services Co.	165
Petrochemical Industries Development Management Company	166
Modaberan Eghtesad Investment Co.	168



Background

In accordance with the provisions of paragraph 3 of Resolution No. H/148871/110/2/88 dated 04/09/1388 and paragraph one of Resolution No. H 155978/222/2/89 dated 1389/08/19 of Chapter Seven of the Law on Amending Articles of the Law of the Fourth Program of Economic, Social and Cultural Development of the Islamic Republic of Iran approved by the Board of Transfer, Persian Gulf Petrochemical Industries Co. became a holding by transferring the shares of Buali, Fajr, Pars, Khuzestan, Arvand, Shahid Tondguyan, non-industrial operations companies, Petrochemical Commercial Co., Petrochemical Industries Development Management Company, international and non-industrial operations of Pazargad, owned by the National Petrochemical Industries Company. 5% of the holding's shares was also offered through stock exchange.

Main activities

- Investing in stocks, funds investment units or other securities with voting rights active in the following fields:
- Preparing and producing all kinds of petrochemical and chemical products and by-products from the oil processing, oil derivatives, natural gas, hydrocarbons and other raw materials, both organic and inorganic.
- Executive services in the procurement and purchase of raw materials and machinery for legal entities
- Basic design and engineering services and guaranteeing projects for investee legal entities
- Conducting research and studies in the fields of technologies, techniques, science, commerce, and economy for exploitation by legal entities.
- Providing financial resources for investee legal entities from the company's internal resources or through other sources, including bank facilities in the name of the company or the investee legal entity with or without collateral or guarantee of repayment.
- Providing other technical, managerial, executive and financial services to legal entities
- Transportation, storage, marketing, distribution and sale of products





Production Complexes

Company's shareholders

Taban Fard Petrochemical Group 26.33

Saham Edalat Investment Company 23.11

Subjects of Saham Edalat (direct method) 14.74

AHDAF Investment Co. 12

National Petrochemical Industries Company 6.75

Tamin Petroleum & Petrochemical Investment Company 7.67

Offered through stock exchange 7.85

Other 1.55

Achievements

- More than 35% of the country's petrochemical products
- First rank in exports, sales and market value in the country according to the IMI100 report
- Ranked 27th in the world according to the ICAS world ranking
- Owning about 13% of the capital market value by the Persian Gulf Petrochemical Industries Company
- Direct or indirect investment in more than 110 companies active in petrochemical industries
- Maximum use of the power and capacity of domestic manufacturers and knowledge-based companies
- Developing businesses and completing the value chain
- Exclusive manufacturer of engineering polycarbonate
- Exclusive producer of PET strategic products
- Having expert and efficient human resources
- Investment and entering to the upstream sector
- Business development and entering new markets
- Increasing productivity and removing production obstacles





Production Complexes

**Mahshahr Region
Production
Complexes**







(MT/Y)
Nominal capacity

2.834

Arvand Petrochemical Co.

Location: Mahshahr Special Economic Zone

Area: 108 hectares

Year of establishment: 1379

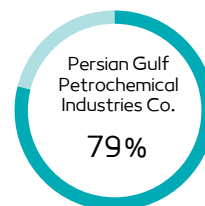
Capital: 400 Billion Rials

Ownership

Persian Gulf Petrochemical Industries Co. 79%

Nouri Petrochemical Co. 20%

Parsian Oil and Gas Development Group Co. (common stock) 1%



Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Ethylene	252	West ethylene pipeline
Salt	1300	Internal Sources
Hydrochloric acid	50	Karun Petrochemical
Water without solvents	1400	Fajr Petrochemical

Main products usage

Detergent industries, production of industrial solvents, sugar industries, paper industries

F water and waste water treatment, production of ink salt, preparation of disinfectants and industrial cleaners, etc.

Use of PVC: film, bottle, production of profiles and sheets, pipes, and its applications are also used in medicine, the most important of which are medical gloves, tablet covers, blood bags and syringes.

Use of PVC: synthetic leather, wall covering, toys and gloves

S-PVC unit: with the ability to produce 8 grades

E-PVC unit: with the ability to produce 5 grades



Production Complexes

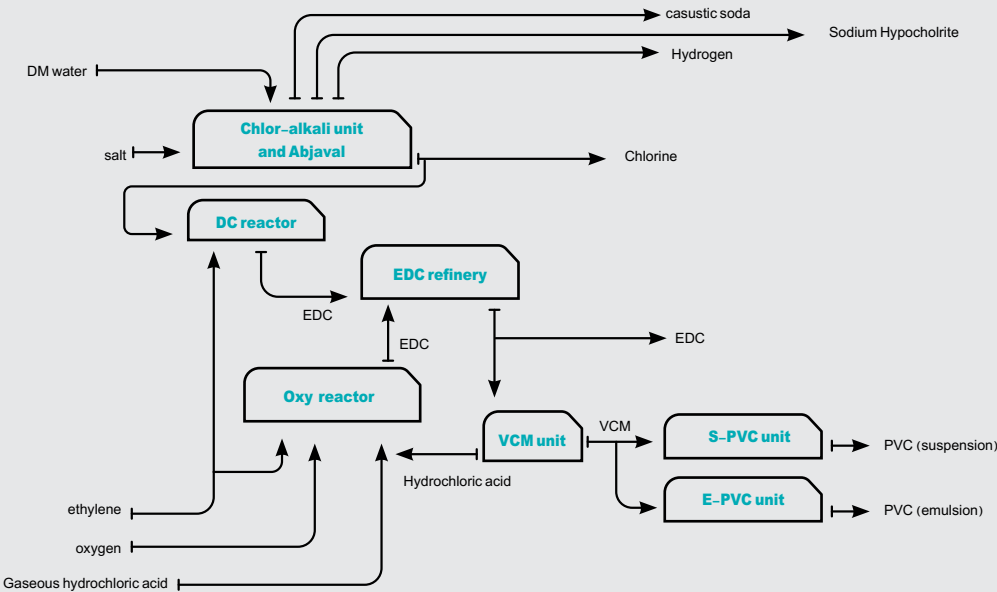
Arvand Petrochemical Co.

15

□ Main Products (Thousand Tons/Year)

Products	Nominal capacity	Feedstock	Licensor	Operation Date
Chlorine	585	Salt. Water DM	UHDE	1389
100% caustic	660	Salt. Water DM	UHDE	1389
Jewell Water	16.2	Chlorocaustic	UHDE	1389
liquid HCL 32 %	127	Salt. Water DM	UHDE	1389
EDC – DC	548	Chloroethylene	VINNOLIT	1390
OXY – EDC	342	HCL gas (Arvand and Karun.) oxygen. ethylene	VINNOLIT	1390
VCM	343	EDC	VINNOLIT	1390
SPVC	300	VCM	VINNOLIT	1389
EPVC	40	VCM	VINNOLIT	1390

□ Production Process Diagram





Production Complexes

Arvand Petrochemical Co.

17

(MT/Y)
Nominal capacity

6.526

Bandar Imam Petrochemical Company

Location: Mahshahr Petrochemical Special Economic Zone

Area: 270 hectares

Year of establishment: 1352

Capital: 13103 billion Rials

Ownership

Persian Gulf Petrochemical Industry Company 69.30%

Saham Edalat investment companies 30.01%

preferred shares 0.69%

Persian Gulf
Petrochemical
Industries Co.
69.30%





Production Complexes

Bandar Imam
Petrochemical Company

□ Main Products (Thousand Tons/Year)

Feedstock name	Amount	Supply source
Paraxylol	490	Extraction from Persian Gulf sea water
Acetic acid	187	Fanavaran Co.
Monoethylene glycol	0.008	Pars Petrochemical
NGL	3200	South oil rich areas
Naphtha	1000	Abadan Petrochemical

□ Main products usage

NF production of raw materials including ethane, propane and butane and C5 for olefins and fuels. Provision of main raw materials for BIPC polymer factories by Alfin factory; Provision of benzene, mixed xylene and paraxylene by aromatic factories for plastic industries. PTA production and chemical industry solvents.

Detergents, industrial solvents, PVC, sugar industry, paper industry, unleaded gasoline, water and sewage treatment

Heavy polyethylene: making pipes, cables, various plastic bags and barrels for transporting chemicals and food

Light polyethylene: covering cables, types of nylon films, plastic bags, household utensils and accessories, irrigation pipes, sports and laboratory equipment.

Polypropylene: eating utensils, kitchen utensils, stationery, toys, food packaging, car parts.

Resistant bags for carrying rice and grains, bottle preparation

PVC: cable coating, transparent films, pipes and fittings, door and window profiles, footwear industry, electronics industry

Synthetic rubber: car parts, tire making, floor coverings, shoe boards, toys

Facilities of BIPC units of Bandar Imam Petrochemical Co.

□ Main Products (Thousand Tons/Year)

Products	Nominal capacity	Feedstock	Licensor	Operation Date
Ethane	565	Gas condensate	Parsons	1391-1374-1369**
propane	1090	Gas condensate	Parsons	1391-1374-1369**
Butane	908	Gas condensate	Parsons	1391-1374-1369**
Pantan plus	768	Gas condensate	Parsons	1391-1374-1369**

□ Main Products (Thousand Tons/Year)

Products	Nominal capacity	Feedstock	Licensor	Operation Date
Ethylene	565	Gas condensate	Lummus	1372
4-carbon cut	1090	Gas condensate	Lummus	1372
Pyrolysis gasoline	908	Gas condensate	Lummus	1372
Fuel oil	768	Gas condensate	Lummus	1372
Benzene	230	Naphtha	Englhard, UOP, HRI	1375
Toluene	0	Naphtha	Englhard, UOP, HRI	1375
C9+ _ AR	0	Naphtha	Englhard, UOP, HRI	1375
mixture of xylenes	140	Naphtha	HRI, UOP, Englhard	1375
C6raffinite	241	Naphtha	Englhard, UOP, HRI	1375
LPG	0	Naphtha	Englhard, UOP, HRI	1375
Paraxylin	180	Mixture of xylenes	IFP	1379
Heavy polyethylene	150	ethylene	Mitsui	1373
Light polyethylene 1	50	ethylene	Tosoh Corp	1374
Light polyethylene 2	50	ethylene	Tosoh Corp	1373
Polymer grade propylene	64	propylene	Mitsui-Toatsu	1373
PVC	175	VCM	HULS	1373
SBR1	20	Styrene-butadiene	JSR	1373
SBR2	20	Styrene-butadiene	JSR	1373
Butadiene 3 and 1	26	C4 CUT	BASF	1373
C4raffinite	33	C4 CUT	BASF	1373
Caustic soda (100% caustic)	0	Salt	Denora	1373
Hydrochloric acid	63.3	Product side	SGL-CARBON	1373
Sodium hypochlorite	6.6	Byproduct	Denora	1373
(DC) EDC		Chlorine-ethylene 300	Tosoh (Toyo Soda)	1373
(oxy)EDC	140	ethylene HCl	Tosoh (Toyo Soda)	1373
VCM	180	EDC	Tosoh (Toyo Soda)	1374
MTBE	500	Butane - Methanol	UOP	1383

Projects Information

** The shared products of three units are NF1 (launched in 1374), NF2 (launched in 1369), and NF3 (launched in 1391).

*** The CE unit has been out of service since the second half of 1395, for the replacement of the membrane mercury system.



Production Complexes

Bandar Imam
Petrochemical Company

21

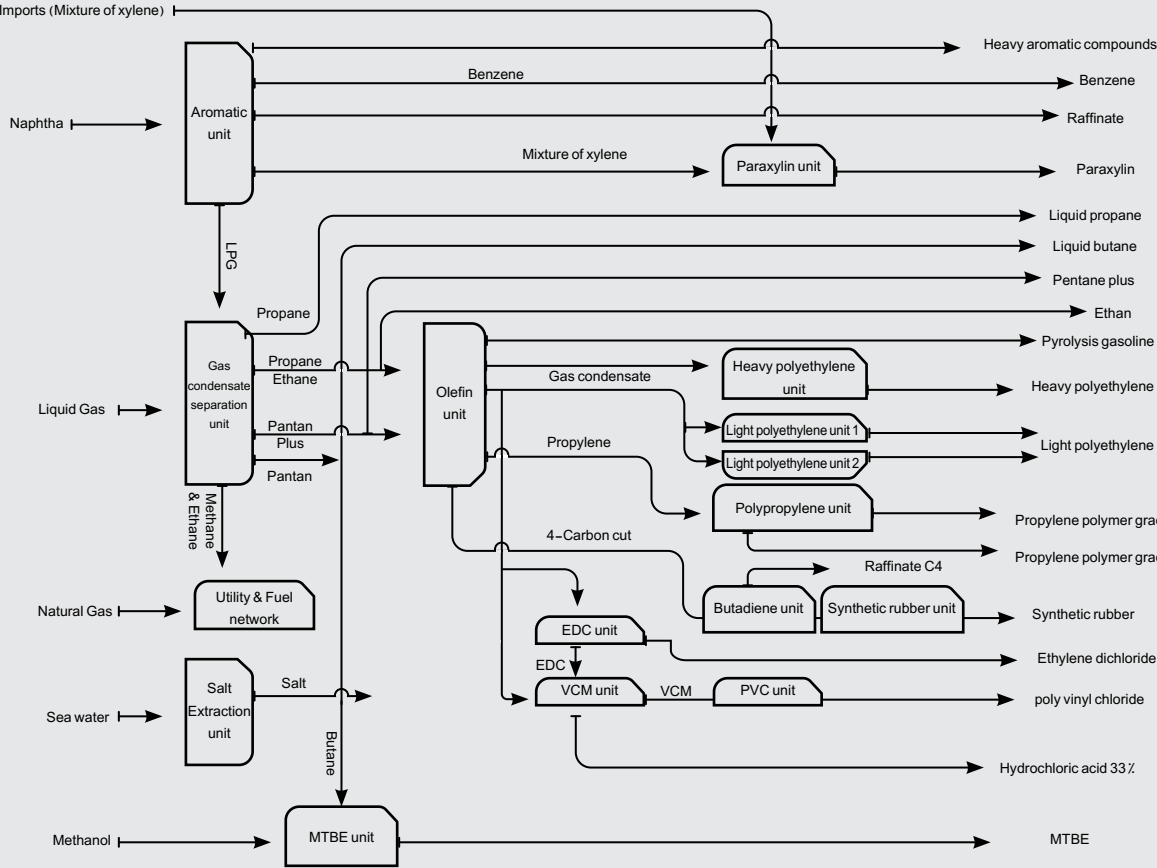


www.pgpic.ir

Bandan
Petrochemical Company

22

□ Production Process Diagram



Production Complexes

Bandar Imam
Petrochemical Company

(MT/Y)
Nominal capacity

1.740

Bouali Sina Petrochemical Co.

Location: Mahshahr Petrochemical Special Economic Zone

Area: 36 hectares

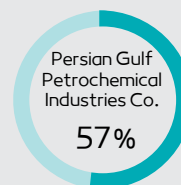
Year of establishment: 1377

Capital: 500 Billion Rials

☐ Ownership

Persian Gulf Petrochemical Industries Co. 57%

Saham Edalat Investment Co. 13%



☐ Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Gas condensate	76	Parsian Refinery / Fajr Jam / South Pars
Pyrolysis gasoline	8.5	Parsian Refinery / Fajr Jam / South Pars

☐ Main products usage

Paraxylin: producing terephthalic acid or dimethyl terephthalic acid, an intermediate in the production of polyester and fiber.

Benzene: styrene production, lip for detergents, cyclohexane (for nylon production), phenol and nitrobenzene (for aniline production) and solvents.

Orthoxylene: manufacture of emollients and drugs, pesticides, dyes and phthalic anhydride





Production Complexes

Boudli Sina Petrochemical

25



www.pgpic.ir

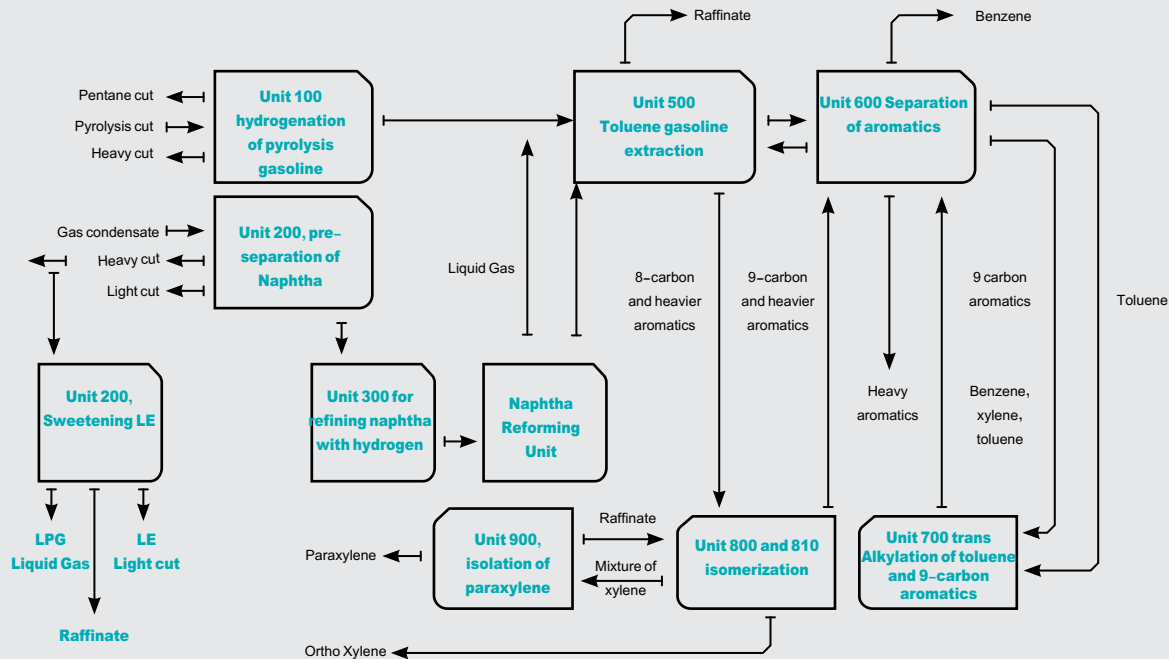
پتروشیمی پارس

26

□ Main Products (Thousand Tons/Year)

Products	Nominal capacity	Feedstock	Licensor	Operation Date
Benzene	179	Gas condensate. pyrolysis gasoline	AXENS,UHDE,SINOPEC	1383
liquid gas	39	Gas condensate. pyrolysis gasoline	AXENS,UHDE,SINOPEC	1382
Raffinate Aromatic	199	Gas condensate. pyrolysis gasoline	AXENS,UHDE,SINOPEC	1382
Light naphtha cutting	350	Gas condensate. pyrolysis gasoline	AXENS,UHDE,SINOPEC	1382
Heavy cut unit 100	11.17	Gas condensate. pyrolysis gasoline	AXENS,UHDE,SINOPEC	1382
Heavy cut unit 200	488	Gas condensate. pyrolysis gasoline	AXENS,UHDE,SINOPEC	1382
Heavy Aromatic	23	Gas condensate. pyrolysis gasoline	AXENS,UHDE,SINOPEC	1383

□ Production Process Diagram



Production Complexes

Boudli Sina Petrochemical



Khuzestan Petrochemical Co.

Location: Mahshahr Special Economic Zone

Area: 10 hectares

Year of establishment: 1376

Capital: 360 Billion Rials

☐ **Ownership**

Persian Gulf Petrochemical Co. 70%

Saham Edalat Investment Co. 30%



☐ **Feedstock (thousand tons/year)**

Feedstock name	Amount	Supply Source
Sodium Hydroxide 50%	76	Arvand Petrochemical
Acetone	8.5	Imports
Fennel	26.7	Imports
Epi Chlorohydrin	5.3	Imports
Chlorine	8	Arvand Petrochemical





Production Complexes

Khuzestan
Petrochemical



□ Main Products (Thousand Tons/Year)

Products	Nominal capacity	Feedstock	Licensors	Operation Date
Liquid epoxy resin	5	Epichlorohydrin + bisphenol A	Salzgitter	1382
Solid epoxy resin	5	Epichlorohydrin + bisphenol A	"	"
Polycarbonate	25	phosgene + bisphenol	"	1386
Bisphenol E	30	Phenol + Acetone	"	1382
Compounding	15	Polycarbonate + master batches and other polymers	"	1399

Due to the uneconomical production, it is imported as feedstock for its downstream units and its capacity is 30 thousand tons per year.

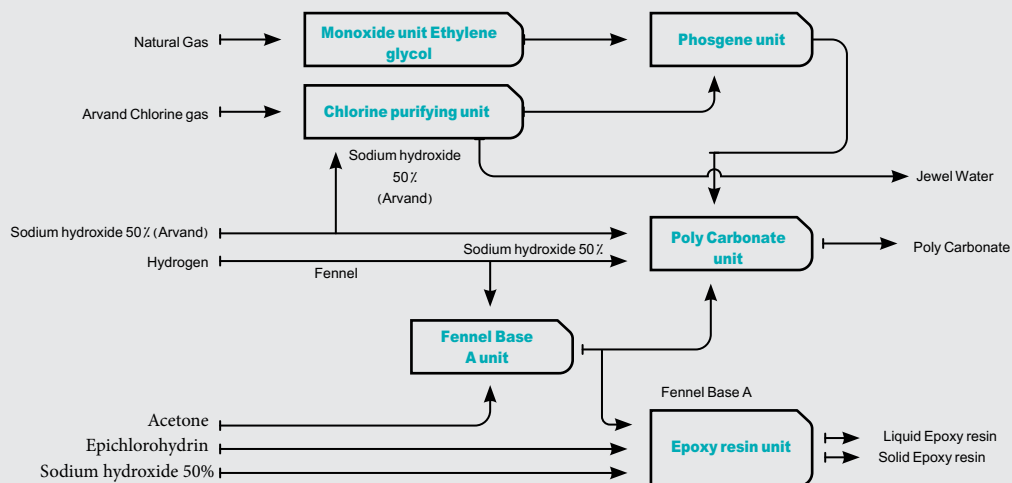
□ The main products usage

Epoxy resin: for internal coating of pipes in the oil and gas industry to prevent corrosion and in the field of paints, adhesives, floor coverings, protective coatings and containers reinforced with glass fibers as well as polymer concrete in industries and building and bridge construction.

Polycarbonate: automotive industries, health and medical industries, making all kinds of medical and industrial glasses, as well as providing eye lenses, dialysis equipment, computer electrical industries, etc.

Polycarbonate compounds: automotive industry, home appliance industry, electronics industry and meter making

□ Production diagram



Production Complexes

Khuzestan
Petrochemical

31

(MT/Y)
Nominal capacity

1.588

Shahid Tondguyan Petrochemical Company

Location: Mahshahr Petrochemical Special Economic Zone

Area: 35 hectares

Year of establishment: 1377

Capital: 24 thousand billion Rials

Ownership

Persian Gulf Petrochemical Industries Company: 53%

Bouali Sina Petrochemical Co.: 11%

Taban Farda Petrochemical Group: 11%

Others: 25 %age

Persian Gulf
Petrochemical
Industries Co.

53%





Production Complexes

Shahid Tondguyan
Petrochemical Company

□ **Feedstock (Thousand tons per year) or (million standard cubic meter/year)**

Feedstock name	Amount	Supply source
Paraxylin	466	Boudi Sina Petrochemical – Nouri Petrochemical
Acetic acid	37.1	Fanavaran Petrochemical
Monoethylene glycol	422	Maroon, Shazand and Morvarid petrochemicals
Hydrogen	0.28	Special zone hydrogen ring

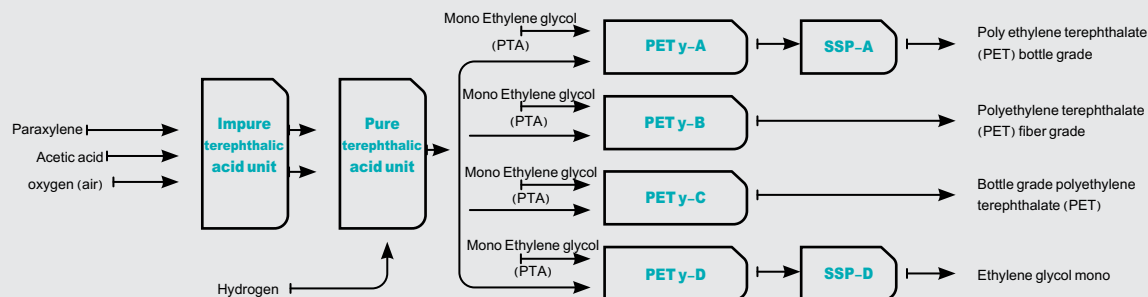
□ **Main products- Phase 1 (thousand tones per year)**

Products	Nominal Capacity	Feedstock	Licensor	Operation Date
Pure terephthalic acid (PTA)	350	Paraxylin – acetic acid	Tecnimont Italy	1384
polyethylene terephthalate Bottle grade (PET-A)	60	Pure terephthalic acid– Monoethylene glycol	Lurgi Zimmer	1384
polyethylene terephthalate Fiber grade (PET-B)	117.5	"		1384
polyethylene terephthalate Fiber grade (PET-C)	117.5	"		1384
polyethylene terephthalate Fiber grade (PET-D)	117.5	"		1384

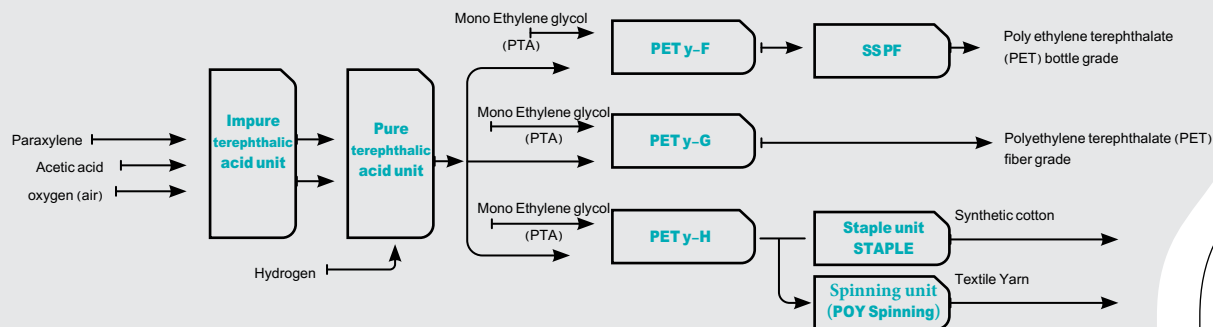
□ **Main products- Phase 2 (thousand tones per year)**

Products	Nominal Capacity	Feedstock	Licensor	Operation Date
Pure terephthalic acid (PTA)	350	Paraxylin – acetic acid	MHI	1384
polyethylene terephthalate Bottle grade (PET-F)	158.4	Pure terephthalic acid– Monoethylene glycol	Lurgi Zimmer	1386
polyethylene terephthalate Fiber grade (PET-G)	158.4	"	"	1391
polyethylene terephthalate Fiber grade (staple)	66	"	Newmag, Germany	1387
polyethylene terephthalate Fiber grade (POY)	66	"	Barmag, Germany	1387
polyethylene terephthalate Fiber grade (PET-H)	158.4	"	"	1388

Production Diagram- Phase 1



Production Diagram- Phase 2



Main Products usage

Purified terephthalic acid: production of polyethylene terephthalate bottles and olifa (as an intermediate product in the production of polyethylene terephthalate)

Polyethylene terephthalate (bottle grade): production of disposable drinking bottles, food and medicine packaging

Polyethylene terephthalate (fiber grade): can be used in downstream textile industries, including fibers, car tire thread, medical and hospital clothing, etc.

Synthetic yarn and synthetic cotton: can be used in textile industries (fabric and yarn)



Production Complexes

Shahid Tondugyan
Petrochemical Company

35

(MT/Y)
Nominal capacity

0.369

Karun Petrochemical Co.

Location: Mahshahr Special Economic Zone

Area: 4 hectares

Year of establishment: 1380

Capital: 9.200.000 million Rials

☐ Ownership

Bandar Imam Petrochemical Co. 99.97%

Petrochemical Industries Investment Co. 0.02%

Petrochemical Commercial Co. 0.01%

Persian Gulf
Petrochemical
Industries Co.

99.97%

☐ Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Toluene	25/2	Bandar Imam Petrochemical
Chlorine	60/5	Arvand Petrochemical
Hydrogen	8	Petrochemical Technologists
Co	24/8	Petrochemical Technologists
Ammonia	17/1	Razi Petrochemical
Profitable	42/7	Arvand Petrochemical
Formaldehyde (37 % formalin)	42/7	Shahid Rasouli Petrochemical
Benzene	25/7	Bouali Sina Petrochemical
Sulfuric acid	0/7	Razi Petrochemical

☐ Main Products usage

Raw materials for the production of different types of polyurethane. construction industry, automobile industry, insulation, false ceiling, sponge, adhesive materials, refrigerator parts





Production Complexes

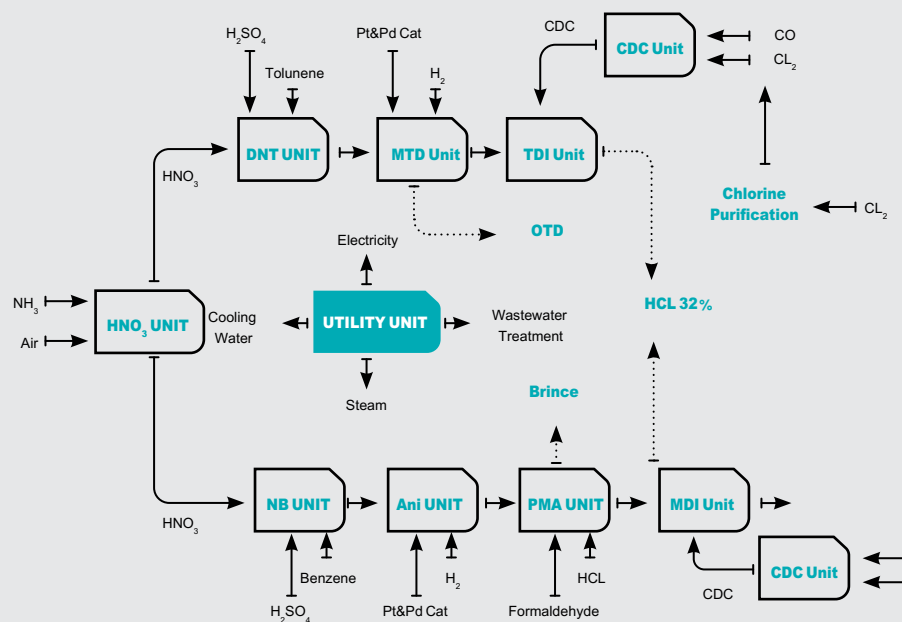
Karun Petrochemical Co.

37

□ Main products (thousand tones per year)

Products	Nominal Capacity	Feedstock	Operation Date	Licensor
Toluene diisocyanate	40	Carbon monoxide, chlorine and meta toluene diamine	1387	Chematur
MDI Grades	40	Carbon monoxide, formalin, aniline, chlorine and liquid hydrochloric acid	1396	Chematur
Aniline	30	Mononitrobenzene and hydrogen	1394	Chematur
Mononitrobenzene	40	Benzene, 64% nitric acid and sulfuric acid	1394	Chematur
Metaphenylene diamine	32	Formalin, aniline, liquid caustic soda and liquid hydrochloric acid	1396	Chematur
Meta toluene diamine	31.7	Dinitrotoluene and hydrogen	1387	Chematur
Ortho toluene diamine	1.15	Dinitrotoluene and hydrogen	1387	Chematur
Nitric acid	92	Ammonia and industrial grade distilled water	1391	Chematur
Liquid and gaseous hydrochloric acid	189.5	Gaseous hydrochloric acid and industrial grade distilled water	1387	Chematur
Javelle water	6.8	Liquid caustic soda and chlorine gas	1387	Chematur

□ Production Diagram





Production Complexes

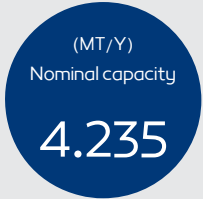
Karun Petrochemical Co.

39

**Asaluyeh Region
Production
Complexes**







Aryasasol Petrochemical Co.

Location: Pars Special Economic Energy Zone

Area: 72 hectares

Year of establishment: 1382

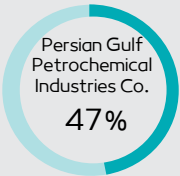
Capital: 4 billion Rials

☐ **Ownership**

Pars Petrochemical Industries Co. (47%)

Pars Tamin Majd Co. (47%)

Others: 6%



☐ **Feedstock (thousand tons/year)**

Feedstock name	Amount	Supply Source
Ethane	1415	Pars Petrochemical
Propane	0.09	Pars Petrochemical
Hexen-1 (Comonomer)	1.3	Imports
Propylene	5.87	jam Petrochemical



Production Complexes

Aryasol Petrochemical Co.

43



www.pgpic.ir

Aryasol
Petrochemical Co.

44

□ Main Products usage

LDPA light polyethylene: film grades used for food and goods packaging films, shrink films, high performance films, lamination, liners, disposable containers and injection parts.

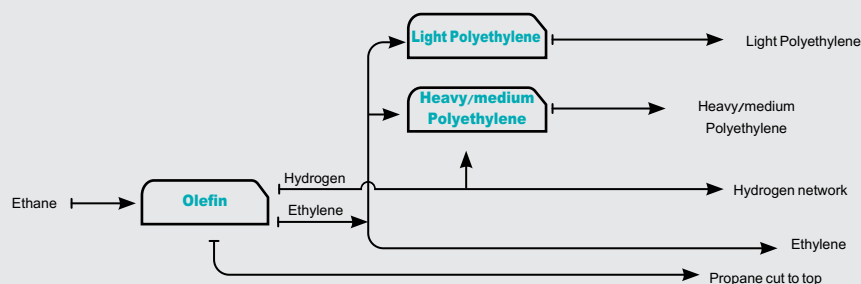
Medium and heavy polyethylene (HDP/MD): grades of blown film, pipe and air molding of small and large parts with applications of food and goods packaging films, irrigation pipes with positive PE 80 class, barrels chemical containers, medium and small plastic bottles and car tanks

Ethylene: feedstock for polymer units and ethylene benzene unit

□ Main products (thousand tones per year)

Products	Nominal Capacity	Feedstock	Licensor	Operation Date
Ethylene	1100	Ethane	Technip	1386
Light Polyethylene (LDPE)	300	Ethylene	SABTEC	1387
Heavy/medium Polyethylene (HDPE) (MD)	300	Ethylene	BASELL	1387
Propane and higher	103.5	Ethane	Technip	1386

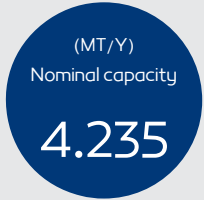
□ Production Diagram



Production Complexes

Aryasasol Petrochemical Co.

45



Pars Petrochemical Co.

Location: Pars Special Economic Energy Zone
Area: 13 hectares for ethane extraction units and 7 hectares for ethylbenzene and styrene monomer units
Year of establishment: 1377
Capital: 6000 billion Rials

Ownership

Persian Gulf Petrochemical Industries Co. (53.54%)

Parsian Oil and Gas Group Co.: 18.76
Ghadir Capital Co.: 18.57%
Others: 9.13%



Main products usage

Ethane: Olefin and fuel
Propane for olefin units, raw materials for industrial use as well as cooling fluids
Butane: Olefin units, the main material for industrial use and fuel
Pentane: olefin plants and raw materials for industrial and fuel applications
Styrene monomer: styrene, rubber, resin, adhesives, solvents, fabric, Sun, SBR, ABS.

Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Gas condensate	4500	South Pars Gas Complex Refinery
Pyrolysis gasoline	270	Jam Petrochemical (10th Olefin)



Production Complexes

Pars Petrochemical Co.

47



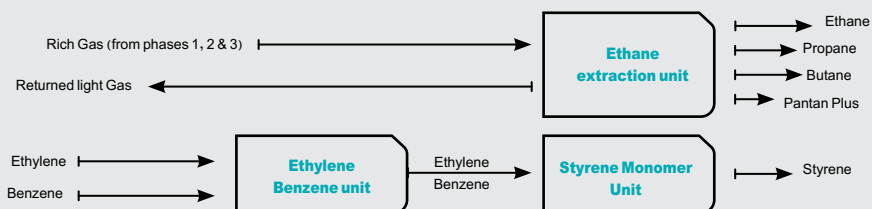
□ Feedstock (thousand tons/year)

Feedstock name	Amount	Supply source
Rich gas	19800	first and second refineries of South Pars Gas Company
Ethylene	175	Aryasol Petrochemical
Benzene	480	Nouri Petrochemical and Bouali Sina
Propylene	5.87	jam Petrochemical

□ Feedstock (Thousand tons per year)

Products	Nominal Capacity	Feedstock	Licenser	Operation Date
Ethan	1500	Rich gas	Lindeh	1385
Propane	870	Rich gas and Noori LPG	Lindeh	1385
Bouton	510	Rich gas and Noori LPG	Lindeh	1385
Pantan Plus	110	Rich gas and Noori LPG	Lindeh	1385
Ethylbenzene	645	Benzene and Ethylene	Polimeri europe	1388
Styrene Monomer	600	Ethylene Benzene	Snamprogetti	1388

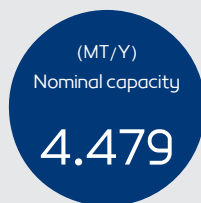
□ Production Diagram



Production Complexes

Pars Petrochemical Co.

49



Nouri Petrochemical Company

Location: Pars Special Economic Energy Zone

Area: 61 hectares

Year of establishment: 1377

Capital: 9000 billion Rials

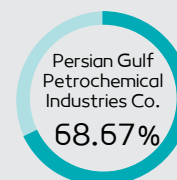
Ownership

Persian Gulf Petrochemical Industries Co. (68.67%)

Oil and Gas and Petrochemical Company (TAPICO) (15.3%)

National Pension Fund Investment Co. (5.52%)

Others (10.50%)



Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Gas condensate	4500	South Pars Gas Complex Refinery
Pyrolysis gasoline	270	Jam Petrochemical (10th Olefin)

Main products usage

Preparation and production of polyesters, synthetic fibers, paints, resins, disposable bottles, detergents, medicinal compounds, pesticides, industrial solvents, industrial solvents, feed for olefin units used in refinery industries for the preparation of petroleum products.





Production Complexes

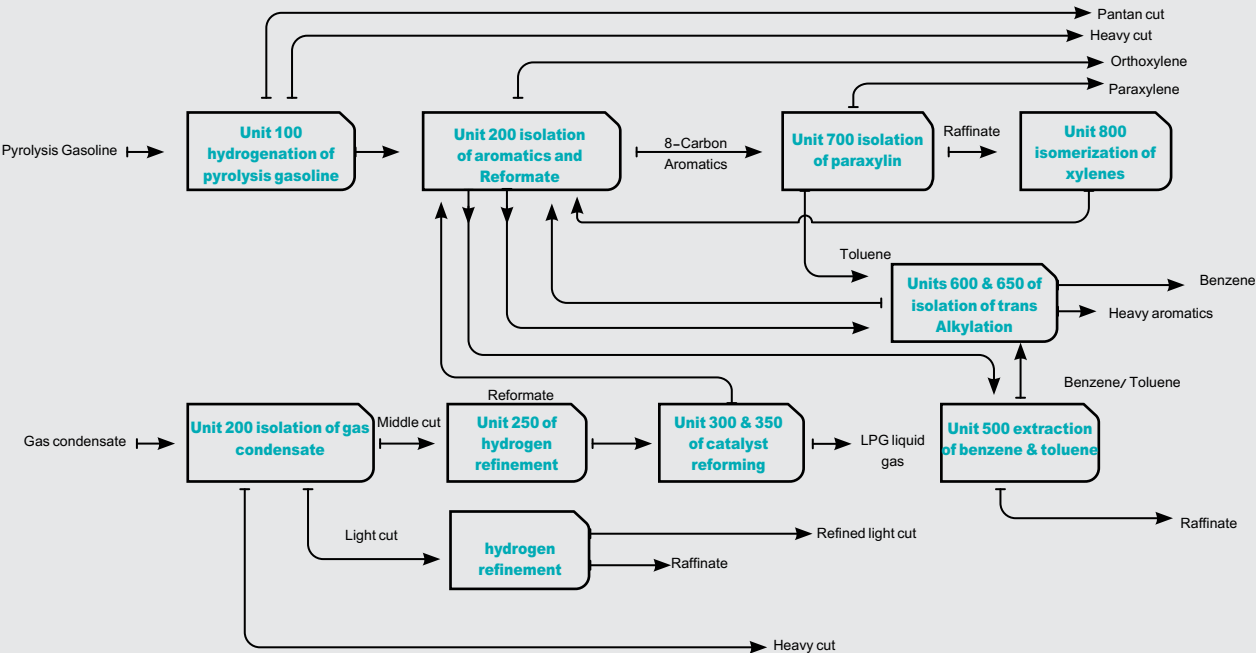
Nouri Petrochemical
Company

51

□ Main products (thousand tones per year)

Products	Nominal Capacity	Feedstock	Licensor	Operation Date
Paraxilin	750	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386
Benzene	430	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386
Orthozaline	100	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386
Heavy compounds	2000	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386
Heavy aromatics	16	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386
Raffinate	380	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386
Light compositions	680	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386
liquid gas	76	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386
Pentane cut	47	Gas condensate, pyrolysis gasoline	Axens ,Corop UHDE,Tory	1386

□ Production Diagram

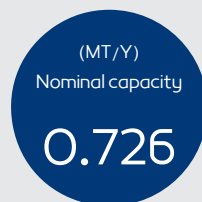




Production Complexes

Nouri Petrochemical
Company

53



Hengam Petrochemical Co. (Phase) 1

Location: Pars Energy Special Economic Zone – Phase 2 Petrochemical Projects

Area: 25.47 hectares

Year of establishment: 1394

Capital: 372 million euros

☐ Ownership

Nouri Petrochemical Co. (99.31%)

Others: (0.69%)



☐ Feedstock (normal million cubic meters/year)

Feedstock name	Amount	Supply Source
Natural Gas	460.22	Damavand Asaloye Petrochemical, South Pars Petrochemical

☐ Main products (thousand tons per year)

Feedstock name	Nominal capacity	Feedstock	Licensor	Supply Source
Amoniac	726	Natural gas	Haldor Topsoe	1402

☐ Main products usage

Ammonia: urea production, paint production, rubber making, rubber, water source purification, explosives, fabric, pesticides, pharmaceuticals

☐ Production diagram





Production Complexes

Hengam Petrochemical
Co

**Production
Complexes in
other areas**





Persian Gulf
Petrochemical Industries Co.

PGPIC

(MT/Y)
Nominal capacity

3.391

Persian Gulf Bidboland Gas Refining Co.

Location: Behbahan

Area: 244 hectares

Year of establishment: 1394

Capital: 4.600 billion dollars

☐ Ownership

Persian Gulf Petrochemical Industries Co. (99.66%)

Others (0.34%)

Persian Gulf
Petrochemical
Industries Co.
99.66%

☐ Feedstock (thousand tons/year) or (million standard cubic meters/year)

Feedstock name	Amount	Supply Source
Sour feedstock	13.013	NGL1000.NGL900
Sweet feedstock	2.220	NGL300.NGL1200





Production Complexes

Persian Gulf Bidboland
Gas Refining Co.

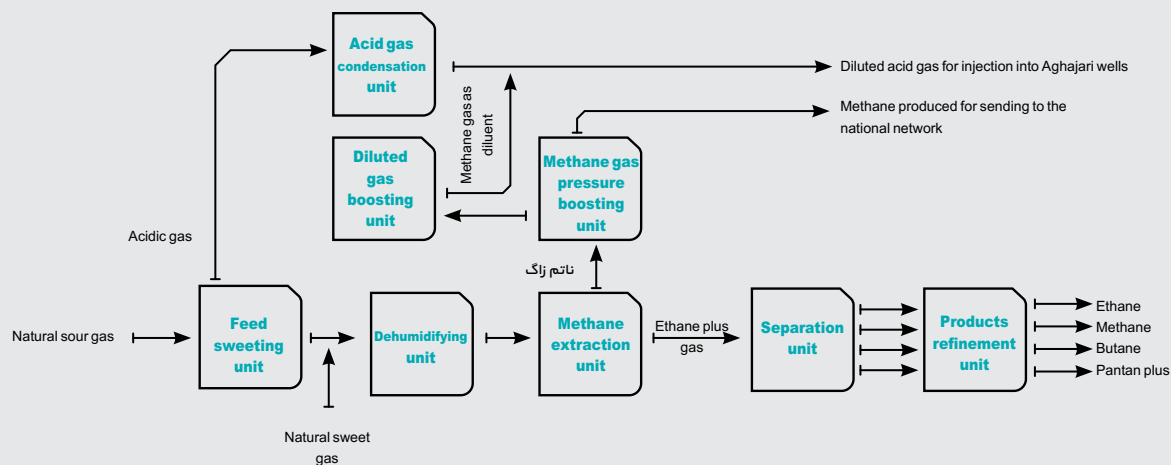
□ Main products usage

Providing feed for subsidiaries

□ Main products (thousand tons per year)

Products	Nominal capacity	Feedstock	Licensor	Date of operation
Methane (Gas)	11091	Sour gas, sweet gas	-	1399
Ethane (Gas)	1496	Sour gas, sweet gas	-	1399
Propan (liquid)	1005	Sour gas, sweet gas	-	1399
boutan (liquid)	490	Sour gas, sweet gas	-	1399
Pantan plus (liquid)	400	Sour gas, sweet gas	-	1399
Acidic gas	752	Sour gas, sweet gas	-	1400*

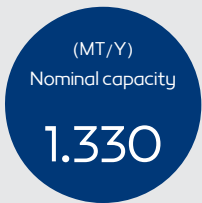
□ Production diagram





Production Complexes

Persian Gulf Bidboland
Gas Refining Co.



Persian Gulf Gas Refining Co.

Location: West of Karun River (60 kilometers south of Hoveyzeh)

Area: 180 hectares

Year of establishment: 1392

☐ **Ownership**

Persian Gulf Petrochemical Industries Co. (100%)

☐ **Feedstock (million standard cubic feet/day)**

Feedstock name	Amount	Supply Source
Rich gas	500	Gases with oil in the North and South Yaran fields, Yadavaran, North and South Azadegan and Darkhovayn

☐ **Main products usage**

Feedstock for Petrochemical Units of Bandar Imam (Faravaresh Co.)

☐ **Main products (thousand tons per year) (phase one)**

Products	Nominal capacity	Feedstock	Licensor	Date of operation
Double-carbon and heavier cut	1294	Sour and sweet rich gas	-	1402
Granular sulfur	7.2	Sour rich gas	-	1402

☐ **Production diagram**





Production Complexes

Persian Gulf Gas
Refining Co.

(MT/Y)
Nominal capacity

1.084

Gachsaran Petrochemical Co.

Location: Gachsaran city

Area: 157 hectares

Year of establishment: 1390

Capital: 10.000 billion Rials

Ownership

Persian Gulf Petrochemical Industries Co. (37.46%)

Sepehr Saderat Financial Group Investment (70.11%)

Dehdasht Petrochemical (23.10%)

Mamasani Petrochemical Co. (10.8%)

Kazerun Petrochemical (10.8%)

Borujen Petrochemical Co. (9.05 %)

Others (1.05%)

Persian Gulf
Petrochemical
Industries Co.

37.46%





Production Complexes

Gachsaran
Petrochemical Co.

☐ **Feedstock (million standard cubic feet/day)**

Feedstock name	Amount	Supply Source
Ethane	1250	Persian Gulf Bidboland Refinery Co.

☐ **Main products usage**

Supplying feedstock to the ethylene pipeline complexes in the west of the country (Dena region)

☐ **Main products (thousand tons per year)**

Products	Nominal capacity	Feedstock	Licensor	Date of operation
Ethylene	1000	-	-	1402
Three-carbon and heavier cut	84.6	-	-	1402

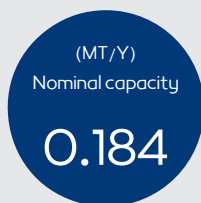
☐ **Production diagram**





Production Complexes

Gachsaran
Petrochemical Co.



Urmia Petrochemical Co.

Location: Urmia – 30 km Urmia – Mahabad

Area: 110 hectares

Year of establishment: 1369

Capital: 2000 billion Rials

☐ Ownership

Persian Gulf Petrochemical Development and Investment Group (60%)

Others (40%)



☐ Feedstock (thousand tons/year) or (million standard cubic meters/year)

Feedstock name	Amount	Supply Source
Urea	15.2	Urea producing units
Ammonia	10.4	Ammonia producing units
Sulfur	15.8	Kimia Chlorine Kaboodan Chemical Company
Potassium chloride	34.4	Internal resources





Production Complexes

Urmia Petrochemical Co.

69

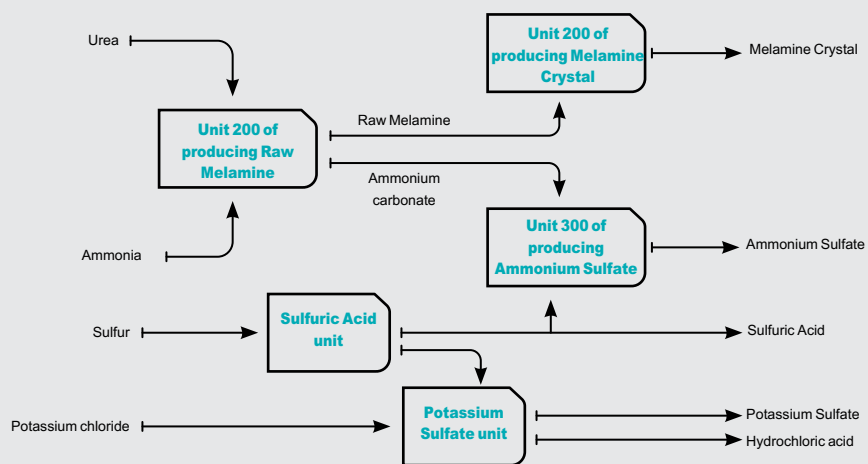
□ Main products (thousand tons per year)

Products	Nominal capacity	Feedstock	Licensors	Date of operation
Melamine crystal	4	Urea, Ammonia	CNCCC	1374
Ammonium sulfate	40	Sulfuric acid, ammonium carbonate	"	"
Potassium sulfate	40	Sulfuric acid, potassium chloride	"	1399
Hydrochloric acid	50	Sulfuric acid, potassium chloride	"	1399
Sulfuric acid	50	sulfur	KSJ	Second half of 1391

□ The main products usage

Plastic uses such as pipes, cable covers, films, etc.

□ Production diagram





Production Complexes

Urmia Petrochemical Co.

71

(MT/Y)
Nominal capacity

1.126

Ilam Petrochemical Co.

Location: Ilam

Area: 122 hectares

Year of establishment: 1382

Capital: 35000 billion Rials

☐ Ownership

Persian Gulf Petrochemical Development and Investment Group (59%)

Investment in oil, gas and petrochemical supply (17%)

National pension fund investment (17%)

Others (7%)

Persian Gulf
Petrochemical
Industries Co.
59%

☐ Feedstock (thousand tons/year) or (million standard cubic meters/year)

Feedstock name	Amount	Supply Source
Ethane	233	Ilam Gas refinery
Three-carbon and heavier cut	328	Ilam Gas refinery
Five-carbon and heavier cut	391	Ilam Gas refinery
Butene-1	3.3	Jam & Lorestan Gas refinery

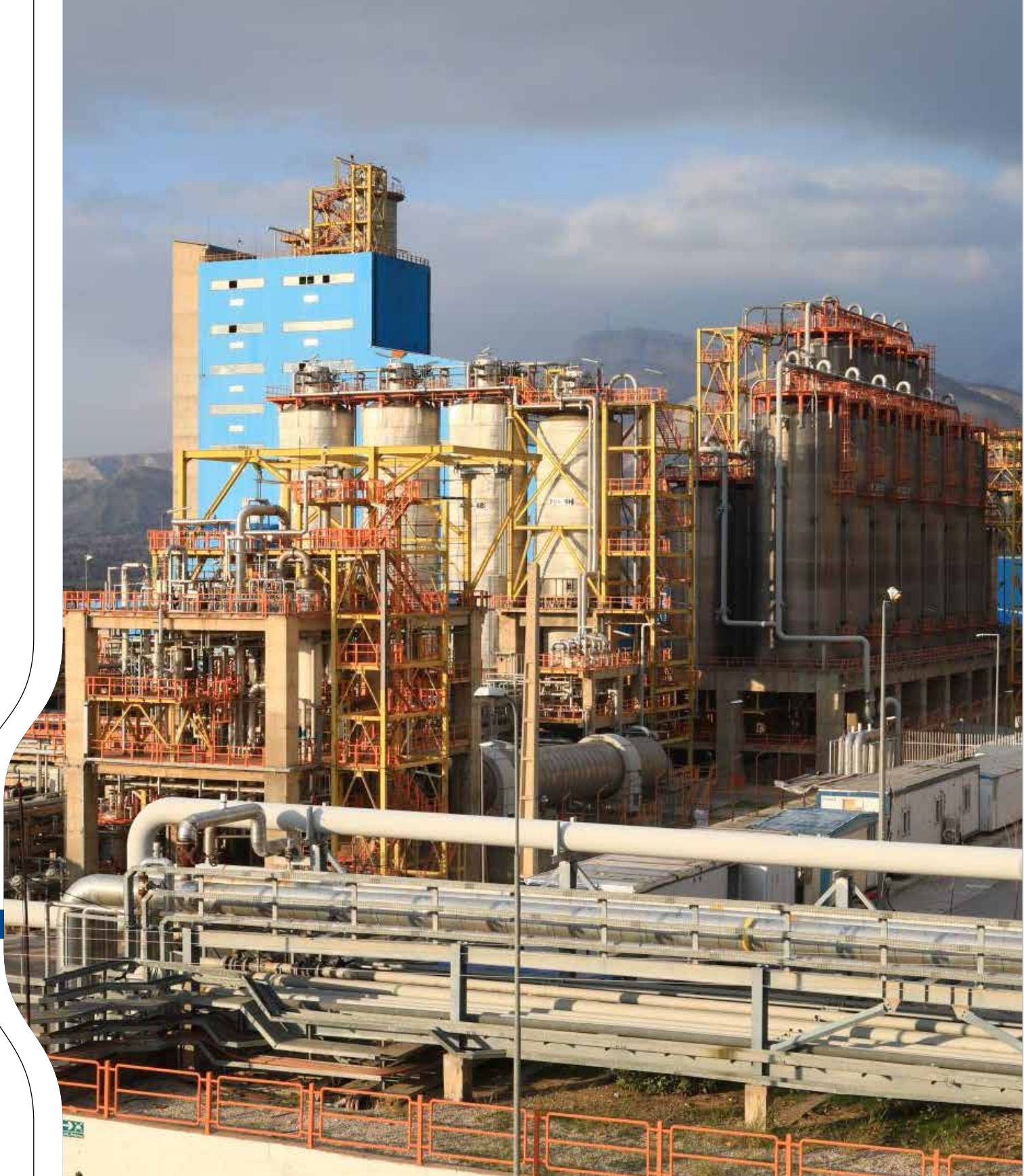




Production Complexes

Ilam Petrochemical Co.

73



□ Main products (thousand tons per year)

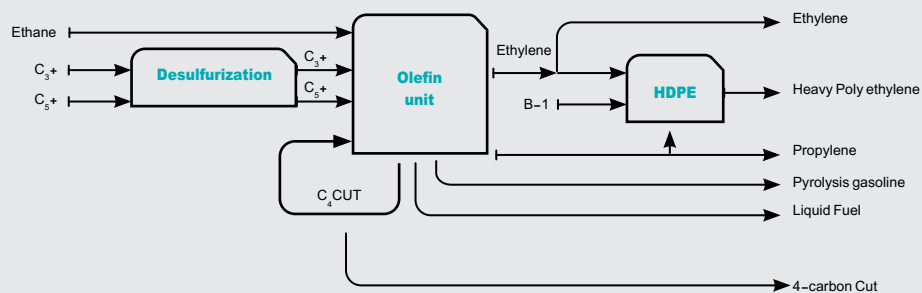
Products	Nominal capacity	Licensor	Date of operation
Ethylene	458	Stone & Webster	1399
Propylene	124	Stone & Webster	1399
Pyrolysis gasoline	134	Stone & Webster	1399
liquid fuel	33	Stone & Webster	1399
Heavy polyethylene	300	Mitsui	1392
Four-carbon cut	75.45	Stone & Webster	1399

□ The main products usage

Heavy polyethylene: plastic uses such as pipes, cable covers, films, etc.

Olefin: raw material for the production of polyolefins, ethylene glycols

□ Production diagram



Production Complexes

Ilam Petrochemical Co.

75

(MT/Y)
Nominal capacity

1.749

Lordegan Chemical Fertilizer and Urea Company

Location: Chaharmahal and Bakhtiari province – Lordegan city

Area: 100 hectares

Year of establishment: 1398

Capital: 9000 billion Rials

Ownership

Persian Gulf Petrochemical Complementary Industries Development and Investment Group (63.78%)

Others (36.22 %)

Persian Gulf Petrochemical Industries Co.
63.78%





Production Complexes

Lordegan Chemical
Fertilizer and Urea
Company



☐ **Feedstock (million standard cubic meters/year)**

Feedstock name	Amount	Supply Source
Natural Gas*	750	National Gas Company

* Including fuel and feedstock

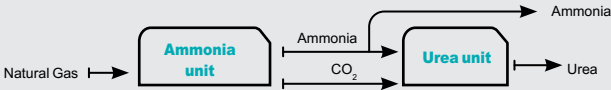
☐ **Main products (thousand tons per year)**

Products	Nominal capacity	Feedstock	Licensor	Date of operation
Ammonia	676.5	Natural Gas	Casale	1399
Urea	1072.5	Ammonia & CO ₂	Stamicarbon	1399

☐ **The main products usage**

Agricultural uses as the fertilizer

☐ **Production diagram**



Production Complexes

Lordegan Chemical Fertilizer and Urea Company

Utility Supply Companies





Persian Gulf Fajr Energy Co.

Location: Mahshahr Petrochemical Special Economic Zone

Area: 70 hectares

Year of establishment: 1377

Capital: 19500 billion Rials

Ownership

Persian Gulf Petrochemical Industries Co. (60%)

Saham Edalat investment Co. (30%)

Others (7%)

Persian Gulf
Petrochemical
Industries Co.

60%

Feedstock (million standard cubic meters/year)

Feedstock name	Amount	Supply Source
Raw water	144.54	Karun river
Natural Gas (main fuel)	4799	National Gas Co.
Diesel fuel (backup fuel)	–	Petroleum products refining and distribution company
Electricity	–	National network
Steam return condensate	10	Petrochemical companies of Mahshahr Special Economic Zone

The main products usage

Producing and supplying the critical utilities used by the special zone production complexes





Utility Supply Companies

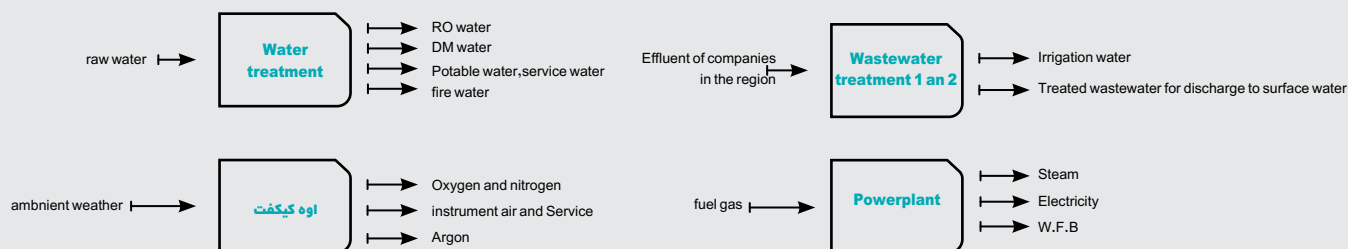
Persian Gulf Fajr Energy
Co.

83

□ Main products

Products	Unit	Nominal capacity	Feedstock	Licensor
Electricity	MW/H	13.096.200	National gas network	Alstom/Azarab/Mapna
Steam	Ton/hr	15.663.000	Boiler feed water	Alstom/Azarab/Mapna
Ro Water	M3/hr	92.243.000	Clarifier water produced from raw water	va tech wabag/axiom
DM Water	M3/hr	45.727.200	Water Ro	va tech wabag/axiom
Feed water for steam boilers	M3/hr	25.272.600	Water DM	Alstom/Mapna
Service Water	M3/hr	9.110.400	Clarifier water produced from raw water	va tech wabag/axiom
drinking water	m3/hr	3.285.000	Raw water	va tech wabag/axiom
Fire water	m3/hr	0	Raw water or clarifier water from raw water	va tech wabag/axiom
nitrogen gas	m3/hr	446.760.000	ambient weather	air products/air liquide/linde
liquid nitrogen	m3/hr	44.238	ambient weather	air products/air liquide/linde
oxygen gas	Nm3/hr	354.780.000	ambient weather	air products/air liquide/linde
liquid oxygen	Ton/hr	18.764	ambient weather	air products/air liquide/linde
liquid argon	Ton/hr	3.276	ambient weather	air liquide
instrument air	Nm3/hr	440.190.000	ambient weather	air products/delvar afzar
service air	Nm3/hr	840.960.000	ambient weather	air products/delvar afzar
FLG gas	Nm3/hr	700.800.000	National gas network	iga-international gas apparatus

□ Production diagram





Utility Supply Companies

Persian Gulf Fajr Energy
Co.

85

Persian Gulf Mobin Energy Co.

Location: Pars Special Economic Energy Zone

Area: 84 hectares

Year of establishment: 1379

Capital: 20,237 billion Rials

Ownership

Persian Gulf Petrochemical Industries Co. (82.59%)

Others (17.41%)



Feedstock (million standard cubic meters/year)

Feedstock name	Amount	Supply Source
Natural Gas*	8,760	Bushehr province Gas Co.
Sea Water	3,329	Persian Gulf
*including feedstock and fuel of Mobin & Asaluyeh site 1 complexes.	-	Petroleum products refining and distribution company

The main products usage

Producing and supplying utilities of the petrochemical companies located in the special economic zone.





Utility Supply Companies

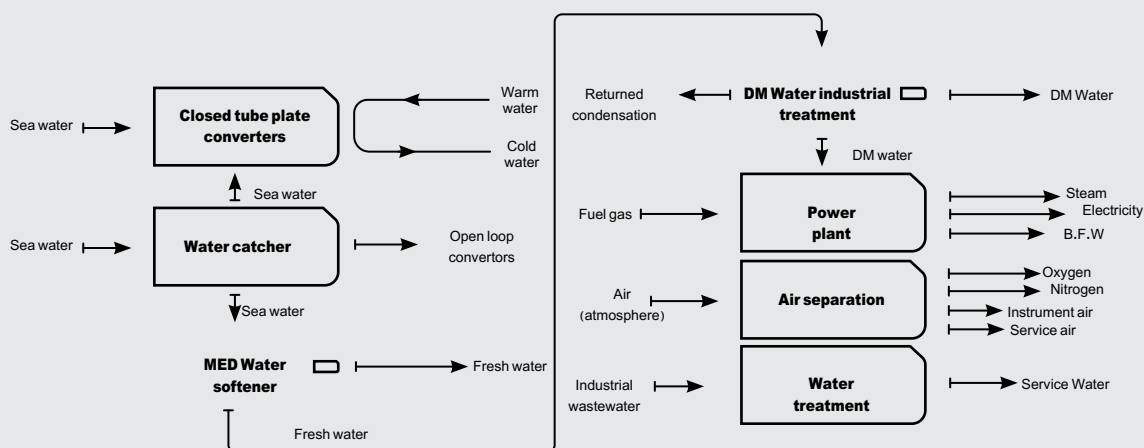
Persian Gulf Mobin
Energy Co.



Main products

Products	Unit	Nominal capacity	Feedstock	Licensors
Electricity	MW/H	4,730.400	natural gas	GE
Steam	Ton/hr	16,030.800	Boiler feed water	foster-wheeler
Water Ro	M3/hr	3,092.208.000	sea water	sadra
Water DM	M3/hr	763.434.000	Fresh water-sea water	sadra
Feed water for steam boilers	M3/hr	17,349.960	demineralized water	demineralized water
fresh water	M3/hr	15,724.200	sea water	sidem-commar
Demineralized water	hr3/M	26,400.000	fresh water	sidem-commar
instrument air	NM3/hr	144.000.000	Ambient weather	linde
service air	NM3/hr	104.000.000	Ambient weather	linde
Nitrogen	NM3/hr	512.000.000	Ambient weather	linde
oxygen	Nm3/hr	1,747.200.000	Ambient weather	linde
natural gas	Sm3/hr	4,896.000.000	National network	Fiorentini
liquid nitrogen	Nm3/hr	12.000.000	Ambient weather	linde
fuel gas	Sm3/hr	4,704.000.000	National network	-

Production diagram

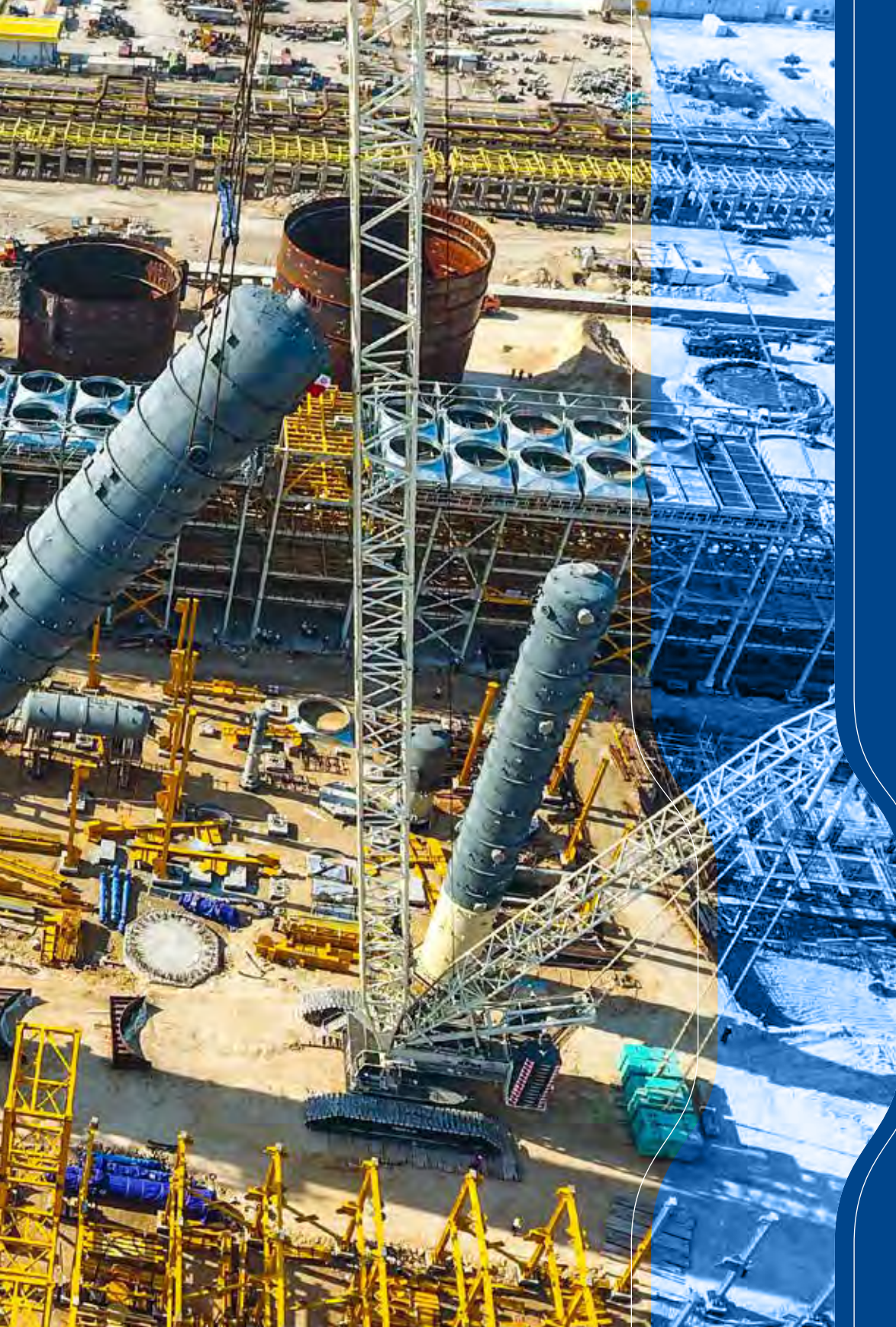


Utility Supply Companies

Persian Gulf Mobin Energy Co.

Ongoing Projects







(MT/Y)
Nominal capacity
0.308

Andimeshk Ibn Sina Petrochemical Co.

Location: Andimeshk city

Area: 90 hectares

Project start date: 1398

Year of operation: 1404

Capital: 510 million euros

☐ Ownership

Persian Gulf Petrochemical Industries Company 99.80%

Other shareholders 0.2%



☐ Feedstock (thousand tons/year) (million cubic meters/day)

Feedstock name	Amount	Supply Source
Ethylene	96	West Ethelene line
Natural Gas	175/200	National network
Methane gas	800	-
Fatty Alcohol	30	-
Normal Butanol	30	-
Ammonia	10	-
Methyl methacrylate	5	-

Licensors: ELITE China

Engineering contractor: Chegalesh and Petro Sazeh Mobin Consortium

Equipment purchase contractor: Chegalesh and Petro Sazeh Mobin EO and utility partnership

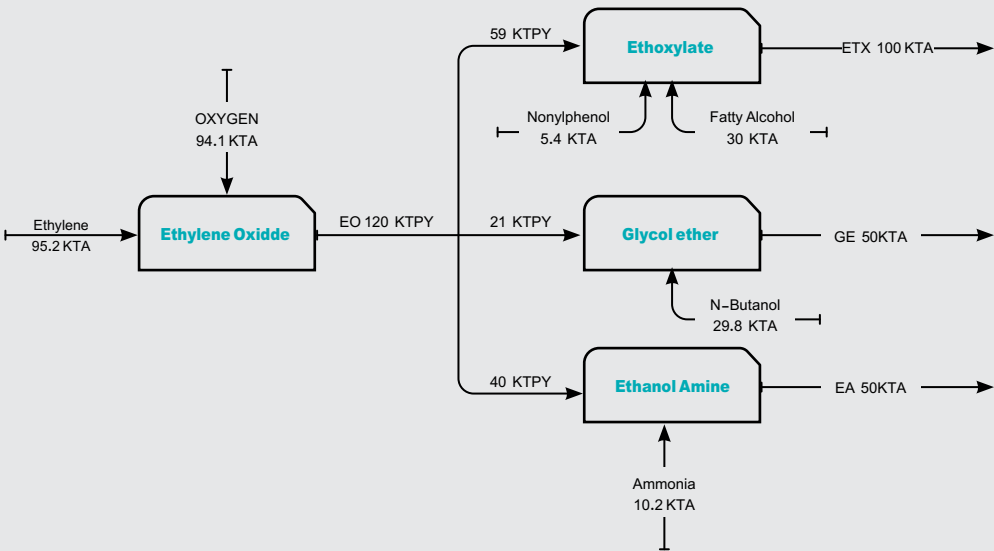
Installation and Pre-Startup contractor: Chegalesh and Petro Sazeh Mobin EO and utility

Physical progress percentage until Ordibehesht: 7.29%

□ Main products

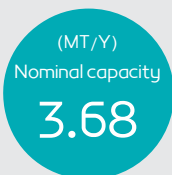
Products	Nominal Capacity	Feedstock	Licensors	Date of operation
Ethylene oxide	120	Ethylene, oxygen, laurylphenol	-	-
Ethanol amines	50	Ammonia, ethylene oxide	-	-
Glycol ether	50	Normal butanol, ethylene oxide	-	-
Ethoxylates	100	Ethylene oxide, fatty alcohols, phenyl phenol	-	-
Mono ethylene glycol	8.6	Ethylene oxide	-	-
Nitrogen	NM3/hr	5 12.000.000	Ambient weather	linde
oxygen	Nm3/hr	1.747.200.000	Ambient weather	linde
natural gas	Sm3/hr	4.896.000.000	National network	Fiorentini
liquid nitrogen	Nm3/hr	12.000.000	Ambient weather	linde
fuel gas	Sm3/hr	4.704.000.000	National network	-

□ Production diagram



Ongoing Projects

Andimeshk Ibn Sina Petrochemical Co.



Almas Mahshahr Petrochemical Co.

Location: Mahshahr Special Economic Zone
Area: 25+55 hectares
Project start date: 1401
Year of operation: 1405
Capital: 2600 million euros

☐ **Ownership**

Persian Gulf Petrochemical Industries Co. (51%)
Bandar Imam Petrochemical Co. (32%)
Arvand Petrochemical Co. (17%)



☐ **Feedstock (thousand tons/year)**

Feedstock name	Amount	Supply Source
Ethane	560	Bandar Imam
Butane	950	Bandar Imam- Bidboland
C5+	594	Bandar Imam- Bidboland
Propane	550	Bandar Imam- Bidboland





Ongoing Projects

Almas Mahshahr
Petrochemical Co.

Licensor: PSE Engineering GMBH, NB Tech Global, Petro gas London LTD, Companies

Engineering contractor: Petrochemical Industries Design and Engineering Company (PIDEC)

Equipment purchase contractor: Petrochemical Industries Design and Engineering Company (PIDEC)

Installation and Pre-Startup contractor: Petrochemical Industries Design and Engineering Company (PIDEC)

Physical progress percentage until Ordibehesht: 7.12%

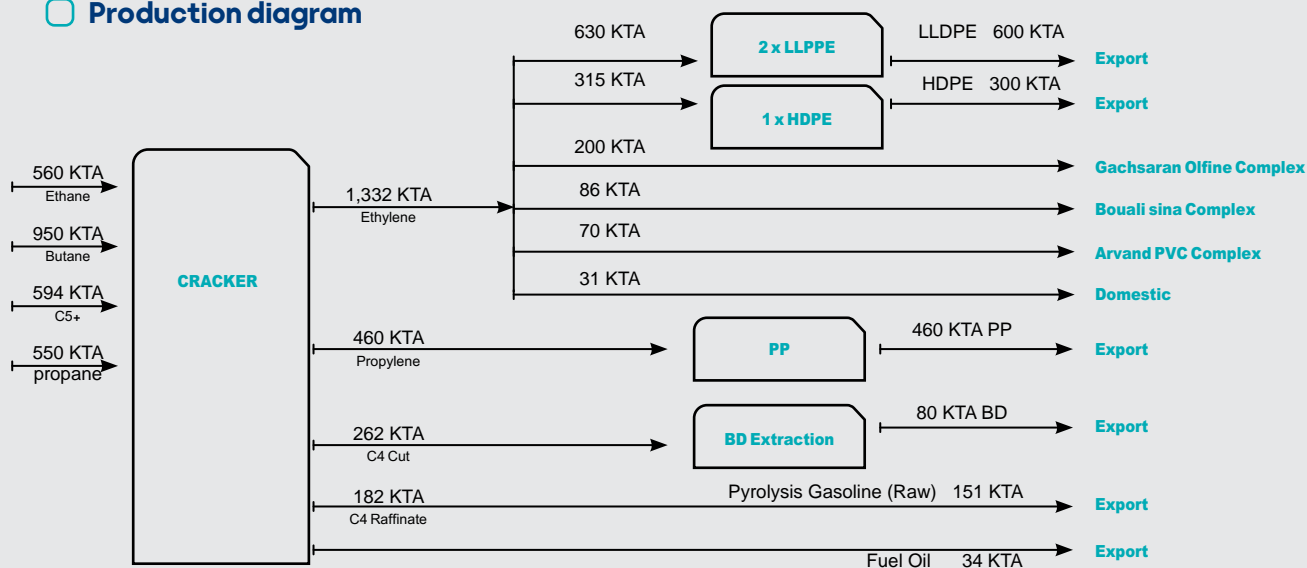
□ Main products (Thousand Tons per year)

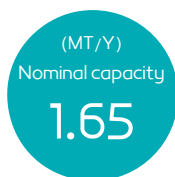
Products	Nominal Capacity	Feedstock	Licensor	Date of operation
Ethylene	1332	Ethane, butane, propane, naphtha	-	-
Heavy poly ethylene	300	Ethylene	-	-
linear light poly ethylene	600	Ethylene, butene-1	-	-
Propylene	461	Ethylene, butene-1	-	-
Poly propylene	460	Ethylene, butene-1	-	-
Betadine	80	Carbon dioxide cut	-	-
Pyrolysis gasoline	151	Ethane, butane, propane, naphtha	-	-
4-carbon cut	262	Ethane, butane, propane, naphtha	-	-
Liquid fuel	34	Ethane, butane, propane, naphtha	-	-

□ Main Products Usage

Production of polymers like LDPE, LLDPE, HDPE and PP

□ Production diagram





Persian Gulf Apadana Petrochemical Company

Location: Pars Energy Special Economic Zone

Area: 9 hectares

Project start date: 1390

Year of operation: 1403

Manpower employed: direct: 180, indirect: 1200

Manpower during operation: direct: 322, indirect: 400

Capital: 486 million euros

Ownership

Persian Gulf Mobin Energy Co. (99.9%)

Other shareholders (0.1%)



Ongoing Projects

Persian Gulf Apadana Petrochemical Company

97



□ Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Natural Gas	1415	Asalouye Damavand Energy

Licensor: Casale Engineering Group

Engineering contractor: Petrochemical Industries Design and Engineering Company (PIDEC)

Equipment purchase contractor: Petrochemical Industries Design and Engineering Company (PIDEC)

Installation and Pre-Startup contractor: DORRIZ Engineering Company

Physical progress percentage until Ordibehesht: 92.39%

□ Main Products (Thousand Tons/Year)

Products	Nominal capacity	Feedstock	Licensor	Operation Date
Methanol	1650	Natural Gas	Casale Engineering Group	1403

□ Main Products Usage

Methanol: used as a raw material in the production of acetic acid, Methyl tert-butyl ether, methyl acrylate, dimethyl aniline, formaldehyde, methyl formate, dimethyl terephthalate and the production of ethylene and propylene.

□ Production diagram



Ongoing Projects

Persian Gulf Apadana Petrochemical Company

99



www.pgpic.ir

Borujen Petrochemical
Company

100

(MT/Y)
Nominal capacity
0.09

Borujen Petrochemical Company

Location: Borujen-Dasht Halvai

Area: 100 hectares

Project start date: 1391

Capital: 57 million dollars

Ownership

Persian Gulf Petrochemical Industries Co. 55.94%

Mamasani Petrochemical Co. 18.40%

Dehdasht Petrochemical Co. 13.13%

Others 12.53%

* Under review due to changes in the project.

Persian Gulf
Petrochemical
Industries Co.
55.94%

☐ **Feedstock (thousand tons/year)**

Feedstock name	Amount	Supply Source
Urea	73	Lordegan
Sulfur	17	Domestic Sources

Licensor and initial engineering: Bassel
Physical progress percentage until Ordibehesht: –

☐ **Main Products (Thousand Tons/Year)**

Products	Nominal capacity	Saleable
Urea with sulfur coating	90	90

☐ **Main Products Usage**

Agricultural fertilizer

☐ **Production diagram**

Urea —————> Urea with sulfur coating



Ongoing Projects

Borujen Petrochemical Company



www.pgpic.ir

Taftan Aria
Petrochemical
Company

102

(MT/Y)
Nominal capacity
1.755

Taftan Aria Petrochemical Company

Location: Chabahar Free Zone

Area: 70 hectares

Project start date: 1402

Operation date: 1406

Capital: 620 million dollars

☐ Ownership

Persian Gulf Petrochemical Industries Co. (96%)

Others (4%)



Feedstock (million normal cubic meters/year)

Feedstock name	Amount	Supply Source
Natural Gas-Feedstock	414	IGAt7
Natural Gas-Fuel	213	IGAt7

Licensor: –

Engineering contractor: –

Equipment purchase contractor: –

Installation and Pre-Startup contractor:

Physical progress percentage until Ordibehesht: –

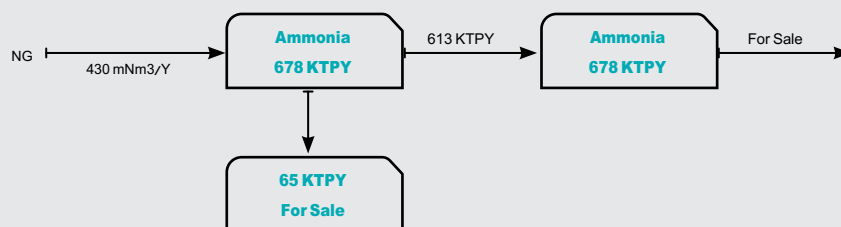
Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Start Date
Ammonia	680	Natural Gas	Casale	1406
Urea	1075	Ammonia	Stamcarbon	1406

Main Products Usage

Urea: direct use as agricultural fertilizer and intermediate product in the production process of other agricultural fertilizers such as urea with sulfur coating, polymer, etc., intermediate product in the production process of petrochemical products such as melamine crystal

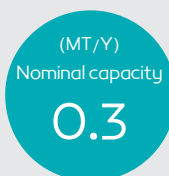
Production diagram



Ongoing Projects

Taftan Aria
Petrochemical Company

103



Gachsaran Polymer Petrochemical Company

Location: Gachsaran Town

Area: 11.9 hectares

Project start date: 1399

Operation date: 1404

Manpower needs in the project: direct: 244, indirect: 254

Manpower during operation: direct: 300, indirect: 700

Capital: 230 million euros

Ownership

Persian Gulf Petrochemical Industries Co. (99.98%)

Others (0.02 %)



www.pgpic.ir

Gachsaran Polymer Petrochemical Company

104

☐ **Feedstock (million Tons/year)**

Feedstock name	Amount	Supply Source
Ethylene	305	Gachsarad Petrochemical/Mahshahr Almas Petrochemical
Butane-1	6	-

Licensor: Same as Bassel
Engineering contractor: Energy Industries Engineering & Design (EIED)
Equipment purchase contractor: Energy Industries Engineering & Design (EIED)
Installation and Pre-Startup contractor: Energy Industries Engineering & Design (EIED)
Physical progress percentage until Ordibehesht: 32.74%

☐ **Main Products (Thousand Tons/Year)**

Products	Nominal Capacity	Feedstock	Licensor	Start Date
Heavy polyethylene	300	Ethylene	Same as Bassel	1404

☐ **Main Products Usage**

A product used in air molding, injection molding, film and sheet production, wire coating, cable, plastic parts, pipes of different types, transport boxes, bottles, tubes, cosmetics, liquid containers, bags, fibers, etc.

☐ **Production diagram**



Ongoing Projects

Gachsaran Polymer
Petrochemical Company



(MT/Y)
Nominal capacity

0.3

Dehdasht Petrochemical Company

Location: Kohgiluyeh and Boyer-Ahmad Province, Dehdasht Town, Kalacho region

Area: 102 hectares

Project start date: 1388

Operation date: 1404

Manpower employed in the project: direct: 808, Indirect: 200

Manpower during operation: direct: 260, Indirect: 1000

Capital: 326 million euros

☐ Ownership

Persian Gulf Petrochemical Industries Co. (PJSC) (69.49%)

Other (30.51%)

Persian Gulf
Petrochemical
Industries Co.
69.49%

□ **Feedstock (Thousand Tons/year)**

Feedstock name	Amount	Supply Source
Ethylene	305	West ethylene pipeline from Gachsaran Petrochemical
Butane-1	6	-

Licensors: LyondellBassell, Germany
Engineering contractor: Petropars, Nargan (Partnership)
Equipment purchase contractor: Petropars, Nargan (Partnership)
Installation and Pre-Startup contractor: Petropars, Nargan (Partnership)
Physical progress percentage until Ordibehesht: 41.86%

□ **Main Products (Thousand Tons/Year)**

Products	Nominal Capacity	Feedstock	Licensors	Start Date
Heavy polyethylene	300	Ethylene	LyondellBassell, Germany	1403

□ **Main Products Usage**

A product used in air molding, injection molding, film and sheet production, wire coating, cable, plastic parts, pipes of different types, transport boxes, bottles, tubes, cosmetics, liquid containers, bags, fibers, etc.

□ **Production diagram**

Heavy polyethylene as a raw material required for various industries, including air molding, injection molding, production of film, sheet, wire coating, cable, pipe, etc.



Ongoing Projects

Dehdasht Petrochemical Company



(MT/Y)
Nominal capacity

1.75

Golestan Petrochemical Company

Location: Aq Qala, Golestan

Area: 345 hectares

Project start date: 1402

Operation date: 1406

Manpower employed in the project: direct: 2000

Manpower during operation: direct: 680

Capital: 715 million euros

☐ Ownership

Persian Gulf Petrochemical Industries Company (60.20%)

Other (39.80%)

Persian Gulf
Petrochemical
Industries Co.
60.20%

www.pgpic.ir

Golestan
Petrochemical
Company

108

Feedstock (Thousand Tons/year)

Feedstock name	Amount	Supply Source
Natural Gas	430	National gas pipeline

Licensor: Casale ammonia, Stamicarbon

Engineering contractor: HAMPA Energy Engineering and Design Company, HEDCO

Equipment purchase contractor: –

Installation and Pre-Startup contractor: –

Physical progress percentage until Ordibehesht: –

Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Start Date
Ammonia	0.677	Natural Gas	Casale	1406
Urea	1.073	Ammonia	Stamicarbon	1406

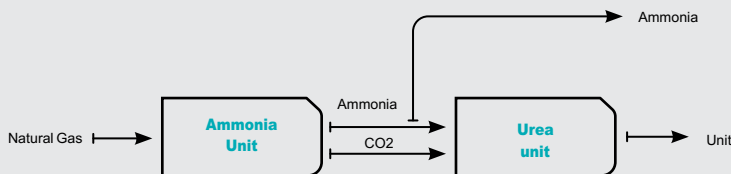
Main Products Usage

Urea: direct use as an agricultural fertilizer, intermediate product in the production of other agricultural fertilizers such as urea with sulfur coatings, polymer, etc. and also in the production of other petrochemical products such as melamine crystal

Ammonia: the intermediate product of producing other nitrate agricultural fertilizers

Production diagram

Heavy polyethylene as a raw material required for various industries, including air molding, injection molding, production of film, sheet, wire coating, cable, pipe, etc.



Ongoing Projects

Golestan Petrochemical Company

109

(MT/Y)
Nominal capacity

1.75

Persian Gulf Hormuz Petrochemical Company

Location: Pars Special Economic Energy Zone, Phase 2

Area: 83 hectares

Project start date: 1401

Year of operation: 1405

Manpower employed in the project: direct: 2000, indirect: 9000

Manpower need for operation: direct: 1200, indirect: 2000

Capital: 2.076 million euros

Ownership

Persian Gulf Petrochemical Industries Co. (99%)

Petrochemical Industries Investment Company (1%)

Persian Gulf
Petrochemical
Industries Co.

99%

Feedstock (Thousand Tons/year)

Feedstock name	Amount	Supply Source
Ethane	1000	South Pars Complexes Products
Butane	1200	South Pars Complexes Products

Licensor: –

Basic Engineering contractor: Energy Industries Engineering & Design (EIED)

Engineering contractor: Namvaran Consulting Engineers

Purchasing equipment, construction and installation of Olefin unit:
Namvaran Consulting Engineers

Installation and Pre-Startup contractor: Namvaran Consulting Engineers

Physical progress percentage until Ordibehesht: 19.2%

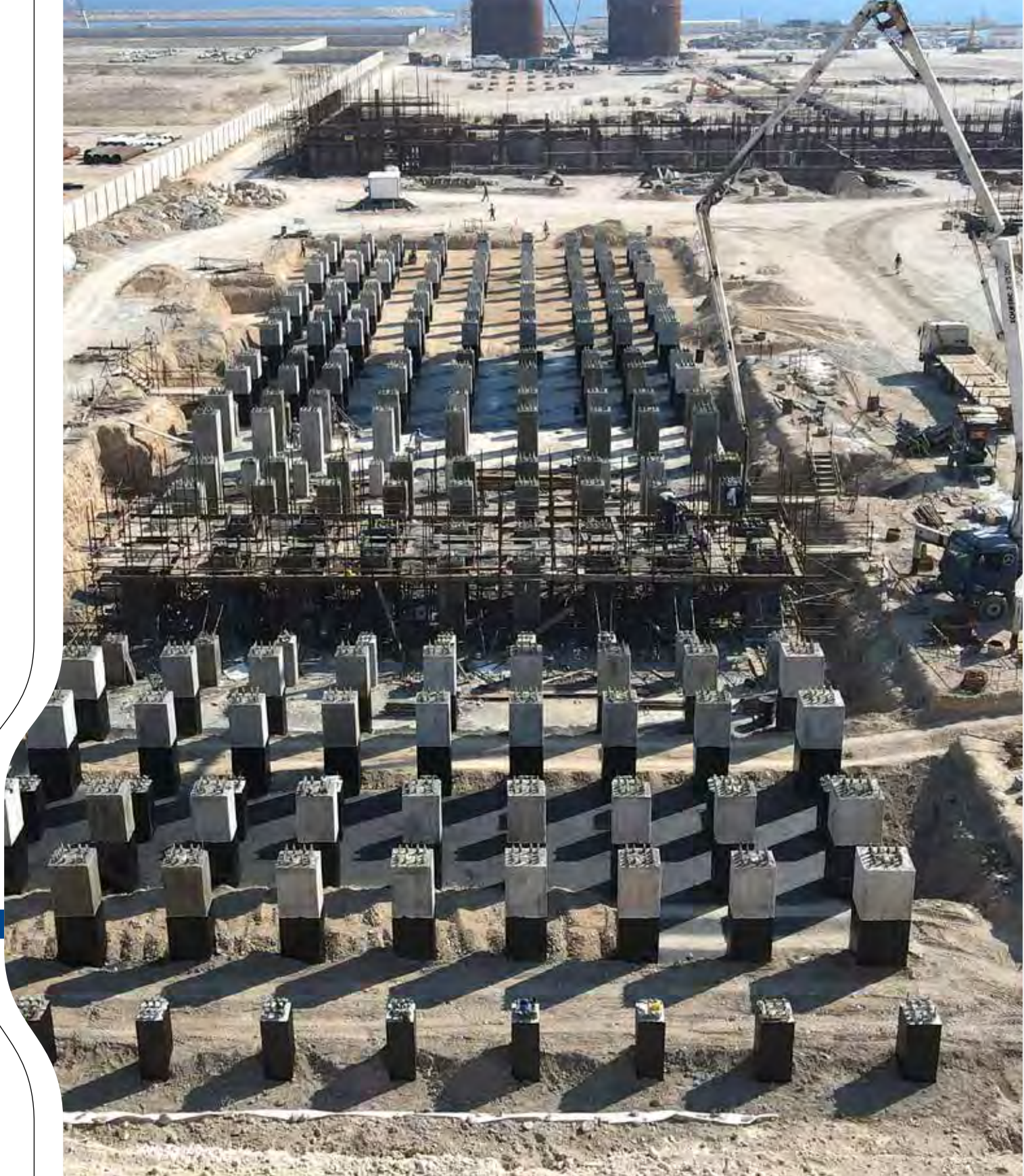




Ongoing Projects

Persian Gulf Hormuz
Petrochemical Company

111



☐ **Feedstock (Thousand Tons/year)**

Feedstock name	Nominal capacity	Feedstock	Licensors	Year of Operation
Ethylene	1285	Ethane-butane		1405
Propylene	316	Ethane-butane		1405
Pyrolysis gasoline	115	Ethane-butane		1405
fuel oil	29	Ethane-butane		1405
Heavy polyethylene	600	Ethylene		-
Light polyethylene	300	Ethylene		-
Linear polyethylene	300	Ethylene		-
Polypropylene	300	Polypropylene		-
Butane	66	4-carbon cut		-

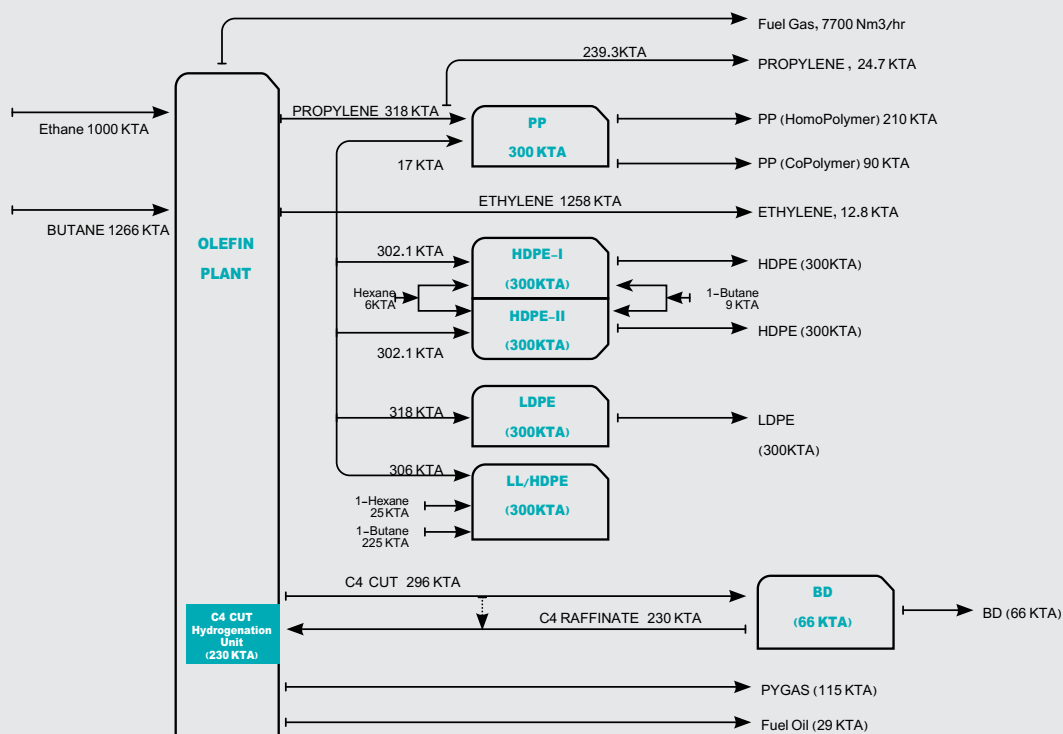
Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Start Date
Ammonia	0.677	Natural Gas	Casale	1406
Urea	1.073	Ammonia	Stamicarbon	1406

□ Main Products Usage

Automotive plastic parts, pipes, connections and plastic tanks, film and packaging industries, plastic fiber, rubber raw materials, agricultural, medical and healthcare industries

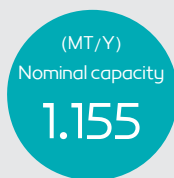
Production diagram



Ongoing Projects

Persian Gulf Hormuz
Petrochemical Company





Hengam Petrochemical Company (Phase 2)

Location: Pars Special Energy Economic Zone, Phase 2 Petrochemical Projects

Area: 25.47 hectares

Project start date: 1394

Operation date: 1403

Capital: 372 million euros

☐ Ownership

Nouri Petrochemical Company 99.31%

Others 0.69 %



Ongoing Projects

Hengam Petrochemical
Company (Phase 2)

115



☐ **Feedstock (Thousand Tons/year)**

Feedstock name	Amount	Supply Source
Natural Gas	460.22	Damavand Asaluyeh Energy (South Pars Petrochemical Companies)
Butane	1200	South Pars Complexes Products

Licensor: Ammonia: Haldor Topsøe. Urea: Saipem (snamprogetti)

Engineering contractor: PIDEC

Equipment purchase contractor: PIDEC

Installation and Pre-Startup contractor: PIDEC

Physical progress percentage until Ordibehesht: 85.9%

☐ **Main Products (Thousand Tons/Year)**

Products	Nominal Capacity	Feedstock	Licensor	Start Date
Urea	1155	Ammonia+CO2	Saipem (snamprogetti)	1403

☐ **Main Products Usage**

Urea: agriculture, food supplement, raw material for the production of plastic and medicine

☐ **Production diagram**



Ongoing Projects

Hengam Petrochemical Company (Phase 2)

(MT/Y)
Nominal capacity

1.1

Pars Petrochemical PDH/PP Project

Location: Pars Special Economic Energy Zone

Area: 28 hectares

Project start date: 1401

Year of operation: 1405

Capital: 866 million euros

Ownership

Pars Petrochemical Co. (100%)

Feedstock (Thousand Tons/year)

Feedstock name	Amount	Supply Source
Propane	696	Pars Petrochemical

Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Start Date
Polypropylene	500	Propylene	UOP	1403
Propylene	600	Propane	UOP	

Main Products Usage

Polypropylene: eating utensils, kitchen utensils, stationery, toys, food packaging, bottles, etc.

Production diagram





Ongoing Projects

Pars Petrochemical
PDH/PP Project

119

(MT/Y)
Nominal capacity

1.2

Persian Gulf Bidboland PDH/PP Project

Location: Khuzestan province – Behbahan city

Area: 24 hectares

Project start date: 1401

Year of operation: 1405

Capital: 1 billion euros

Ownership

Persian Gulf Bidboland Gas Refining Company (100%)

Feedstock (Thousand Tons/year)

Feedstock name	Amount	Supply Source
Propane	696	Persian Gulf Bidboland Gas Refining Co.

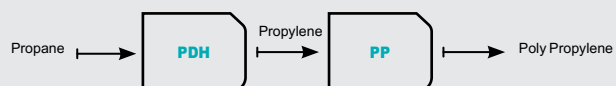
Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Start Date
Propylene	600	Propane	UOP	1403
Polypropylene	600	Propylene	SPHERIPOL-BASSEL	

Main Products Usage

Polypropylene: eating utensils, kitchen utensils, stationery, toys, food packaging, bottles, etc.

Production diagram

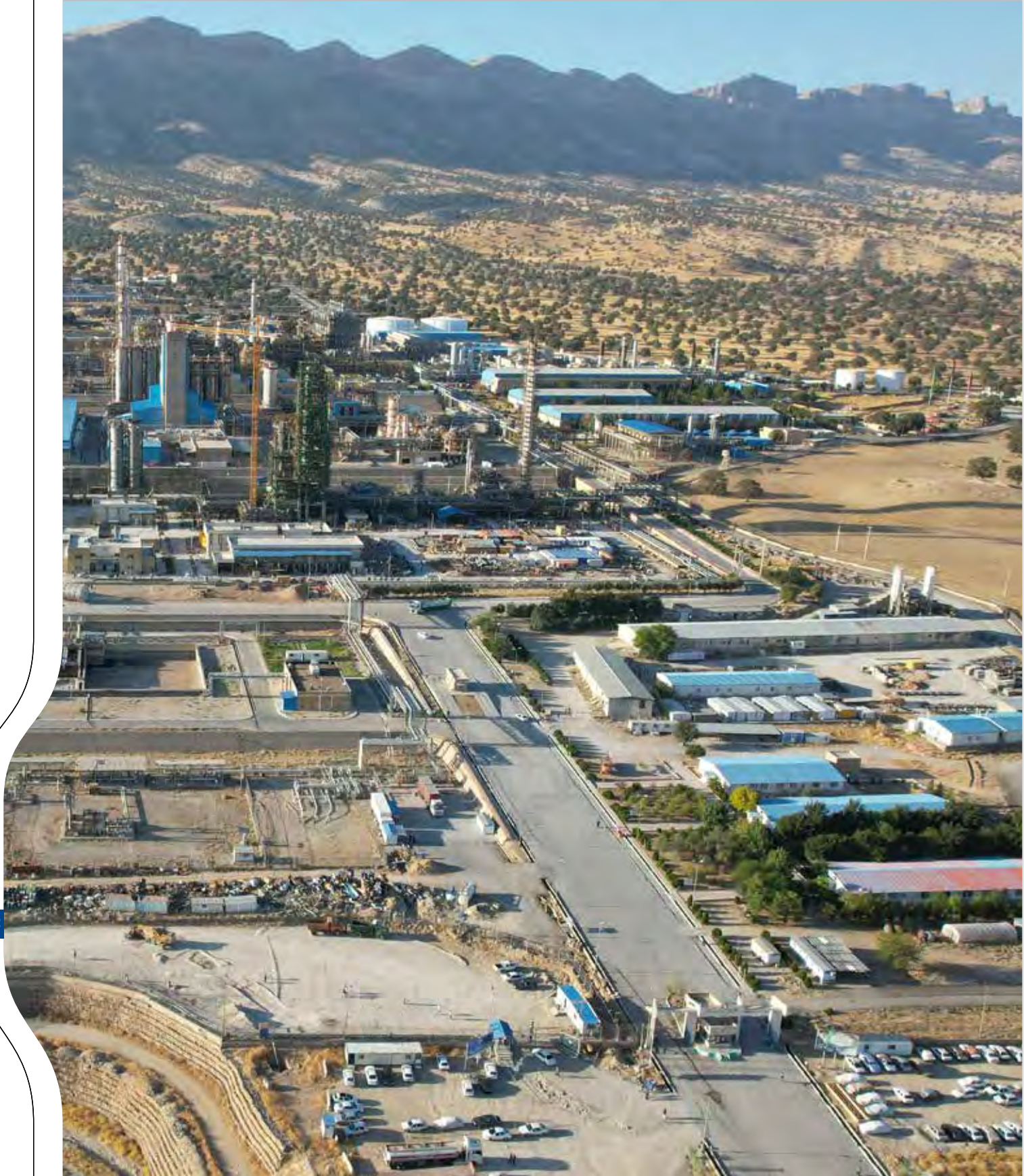


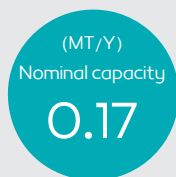


Ongoing Projects

Persian Gulf Bidboland
PDH/PP Project

121





Arghavan Gostar Ilam Petrochemical Company

Location: South area of Ilam Petrochemical, Chovar City, Ilam Province

Area: 7.2 hectares

Project start date: 1396

Year of operation: 1403

Manpower employed in the project: direct: 900, indirect: 127

Manpower need for operation: direct: 307, indirect: 800

Capital: 179 million euros

☐ Ownership

Persian Gulf Petrochemical Development and Investment Group (55%)

Ilam Petrochemical Company (40%)

Others 5%



☐ Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Propylene	150	Ilam Petrochemical & other sources
Ethylene	10	-



Ongoing Projects

Arghavan Gostar Ilam Petrochemical Company

123



Licensors: Dow Unipol
Engineering contractor: PIDEK
Equipment purchase contractor: –
Installation and Pre-Startup contractor: Panah Sanat Part Co.
Physical progress percentage until Ordibehesht: 93.64 %

□ **Main Products (Thousand Tons/Year)**

Products	Nominal Capacity	Feedstock	Licensors	Start Date
Polypropylene	90	Propylene	Dow Unipol	First year
Polypropylene	112.5	Propylene	Dow Unipol	Second year
Polypropylene	127.5	Propylene, Ethylene	Dow Unipol	Third year
Polypropylene	150000	Propylene, Ethylene	Dow Unipol	Fourth year

□ **Main Products Usage**

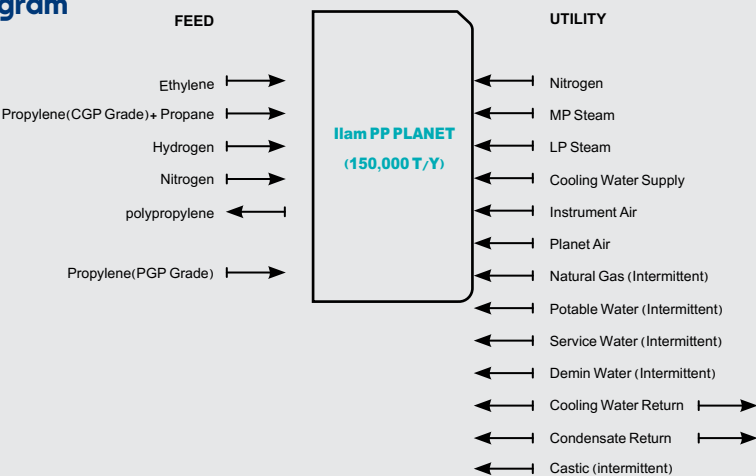
Homopolymer Polypropylene, used in fibers, threads, carpet backing, woven and non-woven fabrics, pipe water quench, packaging

Flexible and rigid, injection molding of various parts

Polypropylene Random Copolymer, used in blow molding, injection molding and single layer films and co-extruder

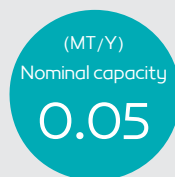
Block copolymer polypropylene, used in automobiles, home appliances, furniture and rigid packaging

□ **Production diagram**



Ongoing Projects

Arghavan Gostar Ilam
Petrochemical Company



Avat Oraman Petrochemical Company

Location: Industrial town, Ravansar city, Kermanshah province

Area: 15 hectares

Project start date: 1401

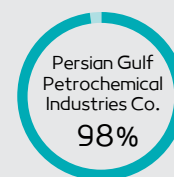
Year of operation: 1405

Capital: 173 million euros

Ownership

Persian Gulf Petrochemical Complementary Industries Development and Investment Group (98%)

Others (2%)



Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Ethylene	32	West Ethylene Pipeline
Propylene	15.2	Ilam Petrochemical
ENB	2.5	Import
Solvent	2	Import
Catalyst	One type	Import

Physical progress percentage until Ordibehesht: -

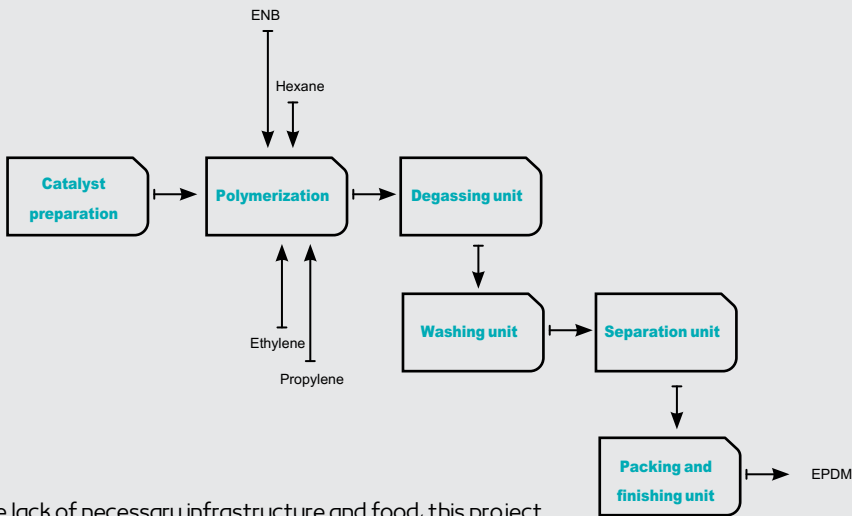
□ Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensors	Start Date
EPDM Ethylene, Propylene, DN Monomer	20	Ethylene, Propylene, Catalyst & Chemical material	IPT Italy	First year
EPDM Ethylene, Propylene, DN Monomer	45	Ethylene, Propylene, Catalyst & Chemical material	IPT Italy	Second year
EPDM Ethylene, Propylene, DN Monomer	50	Ethylene, Propylene, Catalyst & Chemical material	IPT Italy	Third year
Polypropylene	150000	Propylene, Ethylene	Dow Unipol	Fourth year

□ Main Products Usage

For sealing in the construction industry, automobile, glass channel, electrical insulation, roof membrane, rubber mechanical products, thermoplastic baked products, motor oil additives

□ Production diagram



*Due to the lack of necessary infrastructure and food, this project is being replaced and the place of execution is being changed.



Ongoing Projects

Avat Oraman
Petrochemical Company



(MT/Y)
Nominal capacity

0.03

Lordegan Petro Armand Chemical Industry Co.

Location: Chaharmahal and Bakhtiari province near Ure Lordegan petrochemical

Area: 20 hectares

Project start date: 1399

Year of operation: 1403

Capital: 63.5 million euros

☐ Ownership

Complementary Industries Investment and Development Company

Persian Gulf Petrochemical 79.97%

Lordegan Petrochemical 20%

Others 0.03%



☐ Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Urea	48	Lordegan Petrochemical
Ammonia	14.3	Lordegan Petrochemical



Ongoing Projects

Lordegan Petro Armand Chemical Industry Co.

129



License: EuroTechnica Italy 3rd generation
Engineering contractor: Panah Sanat Part Co.
Equipment purchase contractor: Panah Sanat Part Co.
Installation and Pre-Startup contractor: Panah Sanat Part Co.
Physical progress percentage until Ordibehesht: 93.64%

□ **Main Products (Thousand Tons/Year)**

Products	Nominal Capacity	Feedstock	Licensor	Start Date
Melamine crystal	30	Urea & Ammonia	EuroTechnica 3rd generation	1403
CARBAMATE	168	Urea & Ammonia	EuroTechnica 3rd generation	1403
PROCESS CONDENSATE	84	Urea & Ammonia	EuroTechnica 3rd generation	1403

□ **Main Products Usage**

As an important material in the plastic industry, melamine condensed with methanol and other compounds to produce Thermoset resins.

Melamine, or 1,3,5-triazine-2,4,6-triamine is an organic base and trimer of cyanamide. Like cyanamide, it contains 67% of nitrogen in mass form and mixed with resins, it has fire retardant properties due to the release of nitrogen gas when burning or sticking it and several other industrial applications.

Melamine is one of the primary metabolites of cyromazine which is a pesticide.

Mixed with formaldehyde, Melamine is used to produce melamine resin, a highly heat-resistant plastic used in formica, melamine cutlery, laminate flooring, and dry erase boards.

□ **Production diagram**



Ongoing Projects

Lordegan Petro Armand
Chemical Industry Co.



www.pgpic.ir

Petro Parak Pouya
Petrochemical

132

(MT/Y)
Nominal capacity
0.045

Petro Parak Pouya Petrochemical

Location: southeast side of Arvand Petrochemical, Mahshahr

Area: 2 hectares

Project start date: 1399

Operation date: 1403

Capital: 15.98 million dollars

Ownership

**Persian Gulf Petrochemical Complementary
Industries Investment and Development
Group 99.96%**

Other 0.04%

Persian Gulf
Petrochemical
Industries Co.
99.96%

☐ **Feedstock (thousand tons/year)**

Feedstock name	Amount	Supply Source
Liquid sodium hydroxide	91.35	Arvand Petrochemical

License: IPT Italy (Omran Idea Energy Development Co.).
Engineering contractor: Kimia Petro Process Engineering Co.
Physical progress percentage until Ordibehesht: 8.8%

☐ **Main Products (Thousand Tons/Year)**

Products	Nominal Capacity	Feedstock	Licensor	Year of Operation
Caustic soda flakes	500	Liquid Sodium hydroxide	IPT	1403

☐ **Main Products Usage**

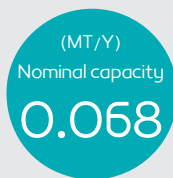
Used in food, medicine and health industry

☐ **Production diagram**



Ongoing Projects

Petro Parak Pouya
Petrochemical



Petro Faraz Hooran Petrichemal Co.

Location: Industrial town, Kangavar city, Kermanshah province

Area: 15 hectares

Project start date: 1400

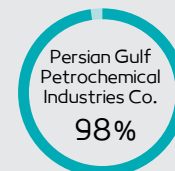
Capital: 110 million euros

☐ Ownership

Persian Gulf Petrochemical Complementary Industries
Investment and Development Company

Persian Gulf Petrochemical 98%

Others 2%



☐ Feedstock (thousand tons/year) (Million standard cubic meter/Year)

Feedstock name	Amount	Supply Source
Ethylene	54	West Ethylene pipeline
Methane	682	National Gas Network
Potassium carbonate	0.13	Imports

License: S.L Chemtec

Engineering contractor: –

Equipment purchase contractor: –

Installation & pre-startup contractor: –

Physical progress percentage: –

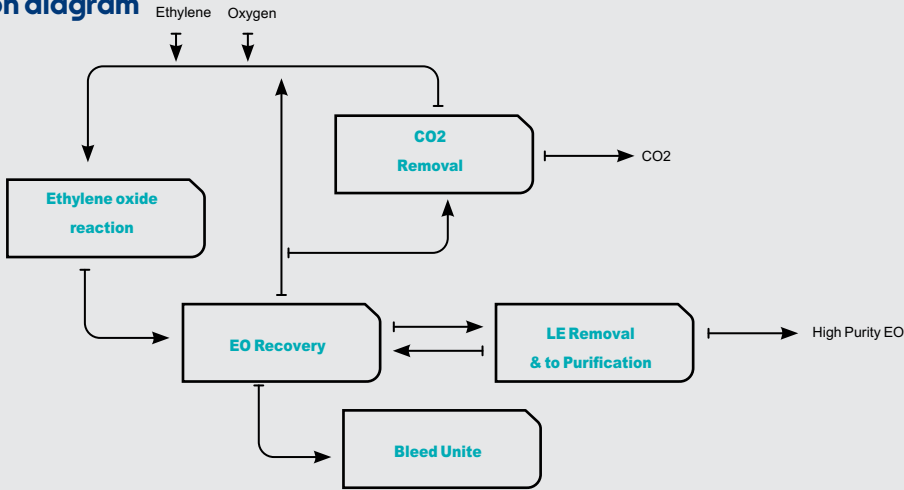
□ Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Year of Operation
Ethylene oxide	54.4	Ethylene, oxygen, methane, potassium carbonate, catalyst and chemicals	S.L.Chemtec	First Year
Ethylene oxide	61.2	Ethylene, oxygen, methane, potassium carbonate, catalyst and chemicals	S.L.Chemtec	Second Year
Ethylene oxide	68	Ethylene, oxygen, methane, potassium carbonate, catalyst and chemicals	S.L.Chemtec	Third Year

□ Main Products Usage

- Ethylene oxide alone is used as a medical sterilizer.
- However, more than 90% of this product is used in the production of downstream units, including:
- Ethylene glycol for antifreeze production
 - Ethanolamines for the production of herbicides and acid gas absorbers in refineries and petrochemicals
 - Ethoxylates with use in sanitary industries and detergents
 - Choline chloride used in livestock and poultry food industries
 - Methyl diethanolamine used in natural gas sweetening
 - Glycol ether can be used in the production of solvents

□ Production diagram



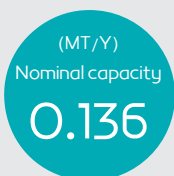
According to the feasibility studies, due to the lack of necessary infrastructure, the Kermanshah ethylene oxide production plan can be replaced by the wide film production plan.



Ongoing Projects

Petro Faraz Hooran
Petrichemal Co.





Persian Gulf Sadaf Petrochemical Company

Location: Styrene Park, Phase 2, Pars Energy Special Economic Zone

Area: 8.1 hectares

Project start date: 1390

Operation date: 1403

Manpower working in the project: direct: 1306, indirect: 221

Manpower during operation: direct: 250, indirect: 1000

Capital: 32 million euros

Ownership

Persian Gulf Petrochemical Complementary Industries Development and Investment Group 68.75%

Tondguyan Petrochemical Company 30%

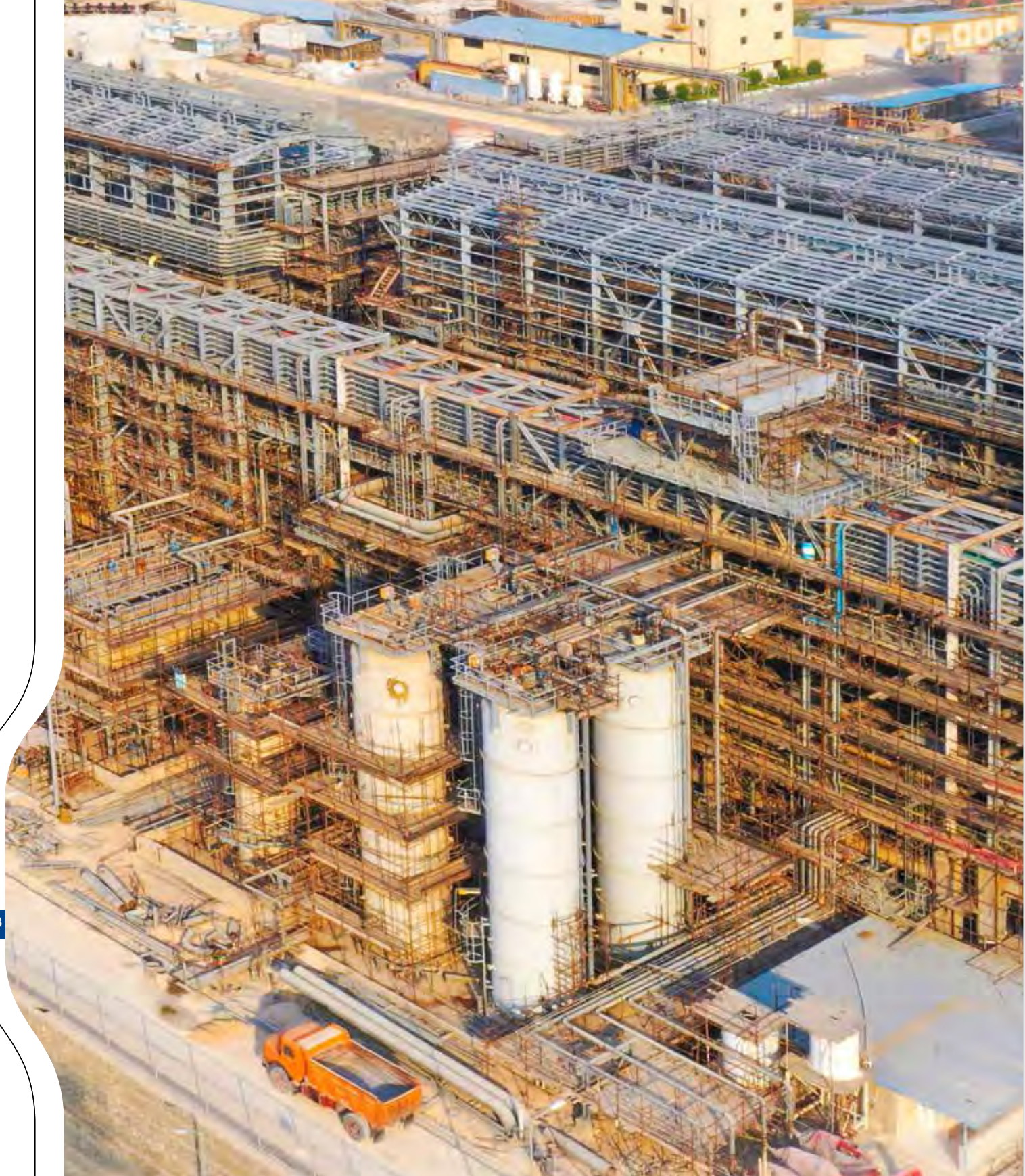
Others 1.25%



Ongoing Projects

Persian Gulf Sadaf Petrochemical Company

137



☐ Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Butadiene	83	Jam Petrochemical
Styrene	27	Pars Petrochemical

License: Versalis

Engineering contractor: Nargan

Equipment purchase contractor: Nargan

Installation and pre-start up contractor: Jahanpars

Physical progress percentage until Ordibehesht: 92.33%

☐ Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Year of Operation
Oil type rubber (S-SBR)	78	butadiene. styrene. process oil	Versalis	1403
Dry type rubber (S-SBR)	58	butadiene. styrene. process oil	-	-

☐ Main Products Usage

Rubber manufacturing industry

☐ Production diagram



Ongoing Projects

Persian Gulf Sadaf
Petrochemical Company

139



www.pgpic.ir

Kazerun Petrochemical
Company

140

(MT/Y)
Nominal capacity

0.3

Kazerun Petrochemical Company

Location: 35 kilometers left to Kazerun, Fars province

Area: 67 hectares

Project start date: 1387

Capital: 339 million euros

☐ Ownership

**Persian Gulf Petrochemical Complementary Industries
Development and Investment Group 61.2%**

Other 38.8 %

* Under review for changing in the project

Persian Gulf
Petrochemical
Industries Co.

61.2%

□ Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Ethylene	305	Gachsaran Petrochemical
Butane-1	20	Domestic

License: –

Engineering contractor: –

Equipment purchase contractor: –

Installation and pre-start up contractor: –

Physical progress percentage until Ordibehesht: –

□ Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Year of Operation
heavy polyethylene	175	Ethylene & Butane-1	Versalis	1403
light polyethylene	125	Ethylene & Butane-1	–	–

□ Main Products Usage

Types of pipes for water supply and sewage networks, injection molds, air molds, wire and cable sheathing, automotive and home appliance industries, packaging foams, milk and juice cartons, banners, bottle caps, wiring ducts, car fuel storage tank, shoe mold and folding table and chair.

□ Production diagram



Ongoing Projects

Kazerun Petrochemical Company

141



www.pgpic.ir

Mamasani
Petrochemical
Company

142

(MT/Y)
Nominal capacity
0.3

Mamasani Petrochemical Company

Location: Fars province, Mamasani city, Shourjongan region, km7 of Baba Monir Road

Area: 62 hectares

Project start date: 1387

Capital: 14550 billion Rials

☐ Ownership

Persian Gulf Petrochemical Complementary Industries Development and Investment Group 67.18%

Others 32.82 %

* Under review for changing in the project

Persian Gulf
Petrochemical
Industries Co.
67.18%

Feedstock (thousand tons/year)

Feedstock name	Amount	Supply Source
Ethylene	303	Gachsaran Petrochemical
Butane-1	5	-

License: Bassel

Physical progress percentage until Ordibehesht: -

Main Products (Thousand Tons/Year)

Products	Nominal Capacity	Feedstock	Licensor	Year of Operation
Heavy polyethylene	300	Ethylene	Versalis	1403

Main Products Usage

- All kinds of packaging bottles for detergents, disinfectants, bleaches, dishwashing liquid, and all kinds of food, dairy, oil, and mineral water.
- All kinds of high volume industrial tanks and barrels
- Car gas tank construction
- Boxes for carrying chemicals and products
- Food boxes
- Other molded parts such as booths, self-service equipment, shopping carts, medical equipment and pallets
- Types of agricultural films used in greenhouses
- Types of garbage bags

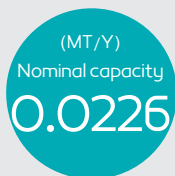
Production diagram



Ongoing Projects

Mamasani Petrochemical Company





Negin Sonqor Petrochemical Company

Location: Sonqor industrial town, Sonqor city, Kermanshah province

Area: 5.2 hectares

Project Start date: 1400

Operation estimated time: 1403

Manpower working in the project: direct: 206, indirect: 45

Manpower during operation: direct: 50, indirect: 70

Capital: 59.85 million dollars

☐ Ownership

Persian Gulf Petrochemical Complementary Industries Development and Investment Group (99.96%)

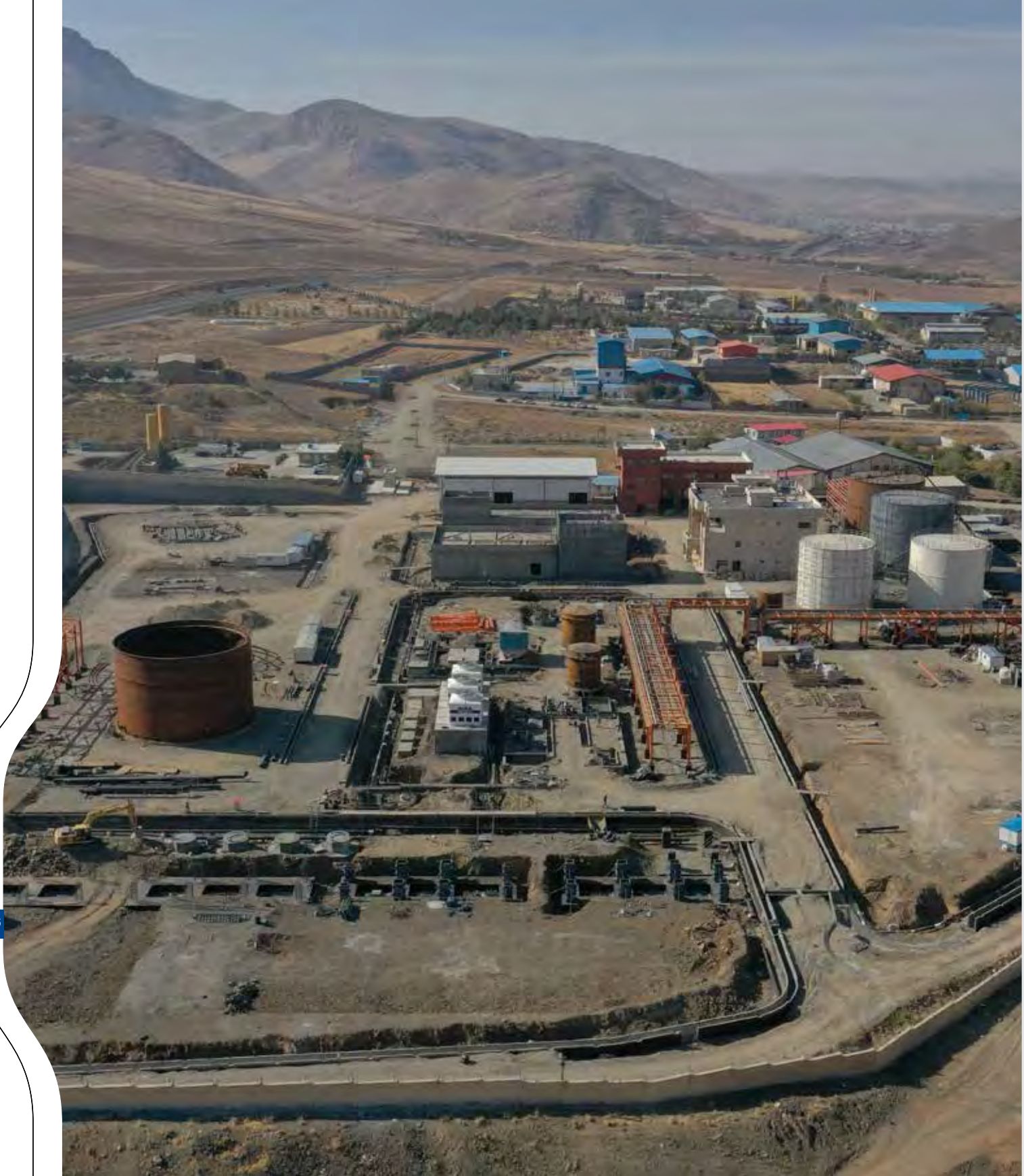
Others (0.04%)



Ongoing Projects

Negin Sonqor Petrochemical Company

145



Feedstock (thousand tons/year)

Feedstock name	Amount	Supply source
Methanol	31	Apadana Petrochemical
Ammonia	10	Lordegan Petrochemical

License: Know-How (Italy)
Engineering Contractor: Bam Dej Tarh Co.
Equipment purchase contractor: Bam Dej Tarh Co.
Installation and Pre-Startup contractor: Bam Dej Tarh Co.
Physical progress percentage until Ordibehesht: 60.40%

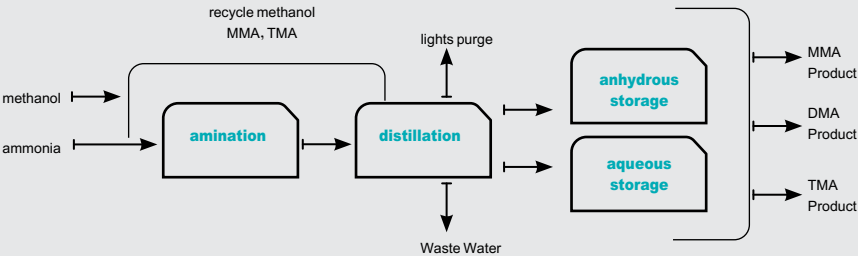
Main Products (Thousand Tons/Year)

Products	Nominal capacity	Feedstock	Licensor	Operation Date
Monomethylamine	3.4	Methanol. Ammonia	Know-How (Italy)	Third Year
dimethylamine	17	Methanol. Ammonia	Know-How (Italy)	Third Year
trimethylamine	2.2	Methanol. Ammonia	Know-How (Italy)	Third Year

Main Products Usage

Agricultural Industries. Medical Industries. Chemical. Polymer. Petrochemical

Production diagram



Ongoing Projects

Negin Sonqor
Petrochemical Company

**Service and
Investment
Companies**





Persian Gulf Petrochemical Complementary Industries Development and Investment Group (Petrol)

Shareholders

Persian Gulf Petrochemical Industries Co. (70.62%)


Modabaran Eghtesad Investment Company (3.07)

Persian Gulf Exclusive Market Making Investment Fund (2.01%)

Hamim Investment Co. of Persian Gulf Petrochemical Complementary Industries (1.25%)

Company Background

Persian Gulf Petrochemical Complementary Industries Group has been established on 16/11/1389 with a capital of 100 billion Rials and registered in the Tehran Companies Registration Office with registration number 396888. According to the resolutions of the Extraordinary General Assembly dated 06/12/1393, the financial year has been changed in 1393 from the end of Shahrivar to the end of Ordibehesht every year. The company's shares have been accepted and traded in the over-the-counter market since the start of its establishment. On 26/06/1393, the shares of the company were admitted to the second over-the-counter market and from 06/02/1395 to the second market of the stock exchange, and it has been traded as one of the accepted companies in the Tehran Stock Exchange since the same date. According to the approvals of the board of directors meeting dated 26/01/1402 and with the permission of the extraordinary general meeting dated 20/05/1400, the company's capital is 100,000 billion Rials divided into 100 billion shares of 1,000 Rials. Currently, Persian Gulf Petrochemical Complementary Industries Investment and Development Group is one of the subsidiary companies of Persian Gulf Petrochemical Industries Company (Public Stock). The main address and the main place of activity is located in 7th floor, Rayanak Vanak building, northwest side of Sheikh Bahai square, Vanak, Tehran. According to the approval of the Extraordinary General Assembly dated 20/05/1400, the name of the company was changed from «Iranian Investment Petrochemical Group» to «Persian Gulf Petrochemical Complementary Industries Development and Investment Group».



Field of activity: according to Article 3 of the Articles of Association, the main activity of the company includes the following:

Investing in stocks, shares of the investment units, funds or other securities with voting rights with the aim of gaining profit and controlling operations or significant influence in the company, institution or investment fund, so that the partnership, institution or investment fund (whether Iranian or foreign) work in the following field or fields:

1. Preparation and production of various petrochemical and chemical materials and products and their by-products obtained from organic raw materials, including natural gases and hydrocarbons.
2. Purchase and supply of the raw materials necessary for the preparation and production of the products of other investment companies and other persons (real and legal) active in the preparation, production, and trading of the above-mentioned products inside the country and abroad.
3. Basic and detailed design and engineering of current and future projects and other investment companies.
4. Purchase, procurement, and production of all the necessary machines for the production of products of other investment companies and other persons (real and legal) active in the production and trade of the products of paragraph 1 above from abroad and inside the country.
5. Transportation, warehousing, marketing, distribution and sale of products and services of other investing companies and persons (real and legal) active in the field of procurement, production, and trading of the products mentioned in paragraph 1 above.
6. Conducting technological, technical and scientific, commercial and economic studies, researches and surveys for technology development, transfer of technical knowledge and exploitation in other investing companies and other persons (real and legal) in the field of preparation and production and trading of the subject materials and products.
7. Obtaining facilities from banks, companies and official institutions in compliance with the current regulations and statutes and providing the necessary financial resources for the investee company from the internal sources of the company or through other sources including obtaining bank facilities in the name of the company or in the name of the investee company with financing bail or guarantee of repayment from the company or without provision of bail or guarantee of repayment.
8. Formulation and implementation of general strategic and management policies that must be followed by investable companies or the company must follow in the management of investable companies.
9. Acquisition and leasing of property, investment, establishment or participation in the establishment of various types of companies and other institutions within the framework of the activity and to fulfill the tasks and achieve the goals of the company.
10. Identifying investment opportunities regarding the subject of paragraph 1 above in order to invest in it or introduce it to investable companies
11. Providing technical, managerial, executive and financial services to other investing companies.



**Service and Investment
Companies**

151



NPC International Company

Shareholders

Persian Gulf Petrochemical Industries Co. (100 %)

With the original name of Europe Petrochemical, NPC International Company was established in 1370 in order to carry out the following activities: Providing long-term and medium-term financial (currency) resources required for petrochemical projects and managing the payment of received facility installments, attracting foreign partnerships inside Iran and making foreign investments abroad. For this purpose, all managements and subsidiaries of the Persian Gulf Petrochemical Industries were required to coordinate fully in all fields with or through this company.





Service and Investment
Companies

Petrochemical Commercial Company

Shareholders

Persian Gulf Petrochemical Industries Company (45 %)

Iranian investment (49 %)

Others (6 %)

Based on the need of the Iranian petrochemical industry for an independent and active company in the field of foreign and domestic trade, the Petrochemical Commercial Company was established on Tir 23, 1369, and in line with the goals of Article 44 of the country's constitution, has followed its activities as a commercial company in 1388 by handing over 52% of its shares to the Iran and Partners Investment Co. consortium. The main goals of this company in the domestic market are to supply the raw materials needed by the downstream industries in the commercial sector, to access the appropriate share of the country's petrochemical industry in the world markets and to achieve an international brand name.

Main activities:

As one of the largest companies in the Middle East, this company is engaged in selling products produced by Iranian petrochemical complexes in foreign markets. One of the main goals of this company is to try to expand the presence in the market by improving the quality of products and providing after-sales services to customers and getting their satisfaction. Petrochemical Commercial Co. has established companies and offices in England, Germany, China, Singapore, India, Dubai, South Korea and Turkey in order to develop marketing activities and respond to the needs of overseas customers. Also, in order to fulfill its duties in the distribution of materials, decentralize and reduce the in-person visits of customers to the company's location in Tehran, Petrochemical Commercial Co. has launched a remote sales site and by using this site, which can be accessed through the Internet, buyers can access the information related to remittances received, get information about their account statement and the latest status of their account balance in the Petrochemical Commercial Co., enter the purchase request into the system and view the remittances on the site. Chemical, polymer, aromatic products, fertilizers, and their derivatives are supplied to domestic buyers in the stock market and by the company.





Service and Investment
Companies

155

Petrochemical Terminals and Tanks Company

Shareholders

Persian Gulf Petrochemical Industries Co. (16%)

Others (84%)

Location: Petrochemical Special Economic Zone of Mahshahr and Pars Special Economic Energy Zone (Asaluyeh)

Year of establishment: 1377 (the name of the company was changed from Khazar Clearance and Credit Company to «Petrochemical Terminals and Tanks» in 1380). The company's statutes were amended in 1380.

Ownership: Persian Gulf Petrochemical Industries 16%, Petrochemical Transportation 16%, Oil and Gas Investment and Petrochemical Supply 16%, Amir Investment Group Company 15.7%, Parsian Oil and Gas Holding 15.7%, Iran's pension system investment 15.7%.

□ The operation of two large ports, the National Petrochemical Industries Company in Pars Energy Special Economic Zone, Bandar e Emam, as well as the site of petrochemical tanks, and the operations of exporting production products, raw materials, and storing products and raw materials are among the responsibilities of the Petrochemical Terminal and Tanks Company.

The general specifications of each port and tank site are as follows:

Pars Petrochemical Port:

- **The total number of docks:** 15 docks (6 liquid docks, 2 gaseous liquid docks and 7 solid docks).
- **Date of operation:** The first phase of Pars port was opened in 1384 and the whole port was inaugurated in 1388.
- **Total capacity:** 35 million tons (29 million tons of liquids and gaseous liquids and 6 million tons of solids)
- **Docks water inlet:** 15 to 32 meters
- **Ship berthing capability:** the ability to accept ships up to 70,000 tons



- **Product loading/unloading capacity:** 170 to 2250 tons/hour
- **Annual ship traffic:** 800 to 1200 ships/year
- **Major export products:** butane, propane, methanol, ammonia, ethylene, benzene, light cut, heavy cut, styrene, orthoxylene, paraxylene, polyethylene, urea, polypropylene etc.

Mahshahr Petrochemical Port

- **Total number of docks:** 7 docks posts (5 liquid and gaseous liquid docks and one solid docks, one liquid dock in commissioning)
- **Operation date:** 3 docks in 1348, 2 docks in 1369, and one dock in 1393
- **Total capacity:** 15 million tons
- **Docks water trough:** 11 to 13 meters
- **Ship berthing capability:** the ability to accept ships up to 50.000 tons

Product loading/unloading capacity: 150 to 1600 tons per hour

- **Annual ship traffic:** about 1000 ships per year
- **Major export and import products:** propane, butane, heavy cut, methanol, ethylene, ammonia, pentane plus, benzene, paraxylene, light distillates, naphtha, pyrolysis gasoline, sulfuric acid, sulfur, orthoxylene, phenol, acetone, phosphoric acid, phosphate soil, acrylonitrile, methyl acrylate, caustic soda, ADC, VCM etc.

Mahshahr Petrochemical Tanks Site (Bandar e Emam)

- **Total number of tanks:** 19
- **Total capacity of tanks:** 157200 cubic meters
- **Operation date:** 1383
- **Tank capacity:** 2 to 20 thousand cubic meters
- **Materials of tanks:** carbon steel and stainless steel
- **Tank equipment:** Some of the tanks have heating/cooling systems.
- **Export/import products:** heavy cutting, naphtha, Acetic acid, Raffinate, phenol, acetone, epichlorohydrin, DEG, VAM, etc.



**Service and Investment
Companies**

Persian Gulf Ofog Petrochemical Parks Co.

Shareholders

- Persian Gulf Petrochemical Industries Co. (25%)
- Nouri Petrochemical (10%)
- Boudli Sina Petrochemical (10%)
- Pars Petrochemical (10%)
- Bandar Imam Petrochemical (10%)
- Tondgouyan Petrochemical (10%)
- Arvand Petrochemical (10%)
- Others (15 %)
- Agricultural Fertilizers and Related Industries Park
- Location: Chabahar Free Zone
- Area: 230 hectares
- Estimated investment: 510 million dollars
- Estimated implementation period: 42 months
- Feedstock name: sulfur, phosphate soil, ammonia, urea
- Final product: ammonium sulfate, potassium sulfate, micronized sulfur, coated urea, superphosphate, ammonium phosphate, potassium phosphate, phosphoric acid, potassium hydroxide, ammonium sulfate, sulfuric acid, urea phosphate

Petro Refinery Park

- Location: Jask region
- Area: 500 hectares
- Estimated investment: 4500 million dollars
- Estimated implementation period: 48 months
- Feedstock name: crude oil
- Final product: gasoline, diesel, refinery products, aromatic products

Paint, resin, glue and composite Park

- Location: Minab region
- Area: 40 hectares
- Estimated investment: 87 million dollars
- Estimated implementation period: 30 months
- Feedstock name: bisphenol, acrylate ester, epichlorohydrin
- Final product: acrylic resins, solid epoxy resins

Methanol Value Chain Park

- Location: Parsian region
- Area: 382 hectares



- Estimated investment: 3000 million dollars
- Estimated implementation period: 48 months
- Feedstock: methanol, ammonia, methane gas, sulfuric acid, acetic acid
- Final product: polyacetal, acetic acid, vinyl acetate, ethylene-vinyl acetate monomer, synthetic ethanol, ethanolamine, ethoxylates, Polyether Polyols, Hexanol, superabsorbent polymers, acrylate esters, acrylonitrile, sodium cyanide, ammonium sulfate

Moisture-absorbent Park

- Location: Dashtestan region
- Area: 50 hectares
- Estimated investment: 20 million dollars
- Estimated implementation period: 31 months
- Feedstock name: sodium carbonate, sulfuric acid
- Final product: blue, white, orange Silica Gel

Packaging Industries Park

- Location: Deylam District
- Area: 60 hectares
- Estimated investment: 119 million dollars
- Estimated implementation period: 31 months
- Feedstock name: polypropylene, polyethylene and PVC
- Final product: greenhouse wide polyethylene films, shrink polyethylene and PVC films, BOPP, and BOPET

Petro Refinery Park

- Region: Omidiyeh
- Area: 1000 hectares
- Estimated investment: 4500 million dollars
- Estimated implementation period: 48 months
- Feedstock name: crude oil or gas condensate
- Final product: gasoline, diesel, refinery products, aromatic products

PVC complementary products park

- Location: Arvand region
- Area: 130 hectares
- Estimated investment: 340 million dollars
- Estimated implementation period: 30 months
- Feedstock name: PVC
- Final product: Monochloroacetic acid, various edible and industrial CMCs, PVC downstream chain

Tehran Medicinal Park

PP downstream value Chain Park in Mehran



**Service and Investment
Companies**

Persian Gulf Petrochemical Tejarat Sanat Co.

Shareholders

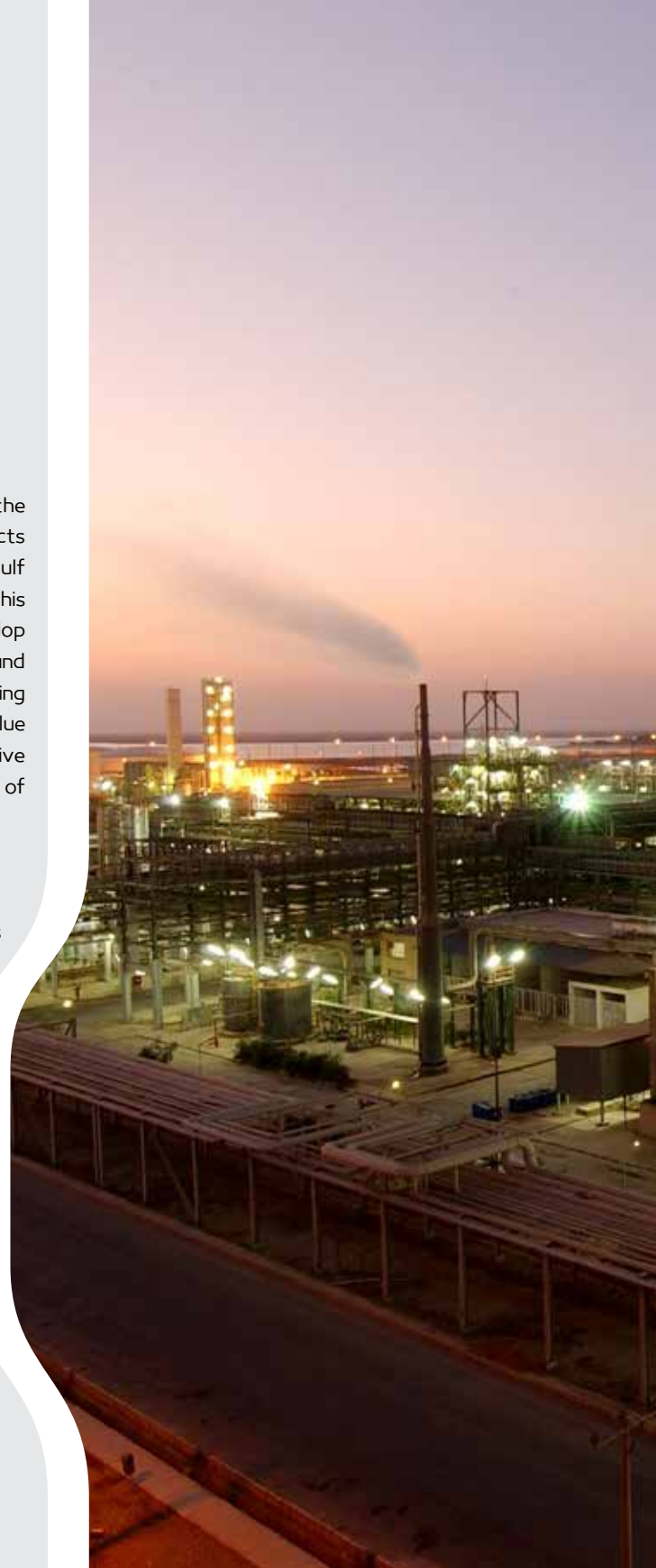
Persian Gulf Petrochemical Industries Co. (99.93 %)

Others (0.07 %)

With the aim of increasing customer satisfaction through the provision of sales engineering services, supply, high-quality products with world-renowned brands and competitive prices, Persian Gulf Tejarat Sanat Co. was established in 1394. The purpose of this company is to take advantage of the existing capabilities and develop them in order to supply a variety of petrochemical and chemical and oil products and related services inside the country and beyond using modern communication technology with the aim of creating value for customers and other beneficiaries. This company is the exclusive agent for the sale of manufactured products in the subsidiaries of Persian Gulf Petrochemical Industries.

Mission statement

- Product: Petrochemical and chemical and petroleum products and services
- Markets: domestic and foreign
- Technology: information technology, production technology
- Ethical considerations: creating value for stakeholders
- Distinguished feature: the facilities to produce products or quality, future development
- Society: participation in developing the petrochemical industry
- Brief mission statement: We are a supplier of all kinds of petrochemical and chemical products and oil products and related services in domestic and foreign markets using modern communication technologies with the aim of creating value for the beneficiaries.





Service and Investment
Companies





Rahavaran Fonoon Co.

Shareholders

Persian Gulf Petrochemical Industries Co. (100%)

Located in the 3rd special economic zone of Bandar Imam Khomeini (the hub of factories and chemical industries of the country), Rahavaran Fonoon Co. is in charge of general, technical, specialized, HSE, language and computer training for companies, institutions and interested parties since 1377. In order to qualitative and quantitative improvement, Rahavaran Fonoon Co. have purchased and installed the latest training equipment from Germany, as well as setting up and operating training workshops in the fields of electricity, instruments, mechanics, chemistry, quality control, operation, turning, welding, pilot plants. Loss and computer training sites are based on the most modern educational standards with the capacity to simultaneously accept 1000 people 24/7 with the dormitory, food, and transportation. Creating an environment to play the role of trainees, enthusiasts and participants in the real sites of petrochemical factories in a practical way and familiarizing them with production processes is one of the trainings provided by this center. Training of employees while serving in various jobs is also one of the most important annual training activities of this company, which provides a valid certificate at the end of each course.



Service and Investment
Companies

Pazargad Non Industrial Operation Services Co.

Shareholders

Persian Gulf Petrochemical Industries Co. (100%)

Established based on the mission, considering the strategic and operational bases of the implementation of the Persian Gulf petrochemical industry policies, this company is the supplier of the major part of the service and manpower requirements in the region. Among the fields of activity of this company is the formulation and implementation of comprehensive operational plans for the strengthening of cultural development infrastructures by relying on modern information technology and understanding the employees and their families' needs and desires, providing cultural and educational resources and necessary programs for the implementation of policies and managing non-industrial operations of petrochemical industries, including handing over and maintaining the organization's houses and service, public, educational, urban facilities in covered towns and residential areas, as well as the renovation, development and construction of required facilities.





Petrochemical Non-Industrial Operations & Services Co.

Shareholders

Persian Gulf Petrochemical Industries Co. (100 %)

With the aim of serving the employees of Mahshahr Petrochemical subsidiaries and freeing production companies from performing service affairs and focusing on production, Petrochemical Non-Industrial Operations & Services Co. was established in 1369 to cover cultural, service, transportation and real estate works. The company's areas of activity include the administration of Be'sat Township, Mahshahr Industrial Area, airport, cultural, educational and sports facilities, clubs and dormitories, Eram Park, as well as the implementation of some construction projects.

Also, one of the main duties of this company is to maintain the organizational places in industrial areas, especially Be'sat and Chamran towns and Mahshahr industrial area with more than 6000 residential and organizational units.

Urban services: In general, the management and development of residential complexes, including the provision of urban services such as water and sewage, gas consumption, planting and maintenance of green spaces, preservation and maintenance, and non-industrial operations are the responsibility of the company.



Persian Gulf
Petrochemical Industries Co.
PGPIC

Service and Investment
Companies

165

Petrochemical Industries Development Management Company

Shareholders

Persian Gulf Petrochemical Industries Company (100 %)

In line with the implementation of decentralization policies, taking advantage of people's participation and giving prosperity to companies, and to accept a part of strategic projects, the implementation of development plans, the Persian Gulf Petrochemical Company allow to use the world's most recognized technologies combined domestic and foreign investments to this company. In this regard and in order to take advantage of decentralized management and achieve the necessary coordination in the projects implementation, Petrochemical Industries Development Management Co. was established on Ordibehesht 1, 1373.

Main activities:

- Managing, coordinating, supervising and controlling Petrochemical Industries Co.'s plans from the start to operation.
- Policy-making regarding the methods of project implementation
- Standardization of implementation methods and management software.
- Conducting international tenders for new designs and signing purchase contracts, licensing, basic engineering, detailed engineering, purchasing equipment and technical and educational services.
- Holding tenders and implementing all petrochemical infrastructure projects
- Implementation of new and development projects of existing petrochemical complexes
- Preparing and updating the projects technical standards in the field of engineering, purchase, installation, and construction and inspection
- Preparing and updating the mechanized list of foreign manufacturers according to the operating status of devices in operational units
- Holding exhibitions of capabilities of consultants and domestic companies in petrochemical industries
- Constant review of domestic capabilities in the field of engineering, construction, preparation and updating of the mechanized list of domestic manufacturers.





Service and Investment
Companies

Modaberan Eghtesad Investment Co.

Shareholders

Persian Gulf Petrochemical Industries Co.
(99.96 %)

Apadana Petro Bazargan Co. (0.01 %)

Hezareh-Sevom Petrochemical Development Co.
(0.01 %)

Iranian Petrochemical Industries Development
Management Co. (0.01 %)

Mamasani Petrochemical Co. (0.01 %)

• The main activity area

1. Investing in stocks, shares of the company, and investment units of funds or other securities with voting rights, institutions or investment funds with the purpose of making a profit, in such a way as to prevent significant influence of one or more parties in controlling the company, institution or capital investment.
2. Investing in other securities without voting rights as usual and not allowing the owner of the securities to elect a manager or control the publisher.



**Persian Gulf Petrochemical
Industries Co.**

www.pgpic.ir