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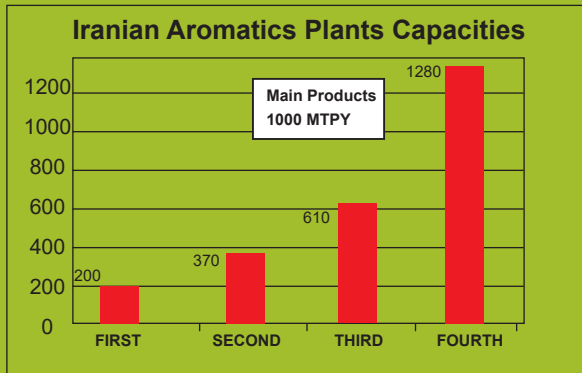
NOURI
Petrochemical Co.

B P C

History

Nouri (previously Borzouyeh) Petrochemical company is the largest Aromatics producing complex in the world with a capacity of about 4.5 million tons a year. The construction of this aromatic plant started in late Nov.2000 and came to stream in June.2007.

B P C



This plant has been located in Pars Special Economic Energy Zone (PSEEZ) in Assalouyeh port in the north side of Persian Gulf.

General specifications of the project

› Engineering and Procurement (EP):

SAZEH (Iran) - TEC (Japan) - GSE & C (South Korea)

› Licensors:

AXENS (France) - COROP UHDE (Germany)
TORAY (Japan)

› Supply of Equipment:

Total Weight of the equipment, used in this project, is about 100,000 tones, %20 of which were supplied by domestic manufacturers.

› Main Contractors for Construction:

JKT (Iran)

MSA (Iran)

IBC (Iran)

- Process zone A joint Venture of JAHAN PARS, KAYSON, TEHRAN JONOBB (JKT)

- Storage Tanks zone Mashin Sazi Arak Co.(MSA)

- Daily Tanks zone Industrial Buildings Co.(IBC)

› Main Construction and mechanical installation volumes

(Work Category)	(Major BOQ)	(Man Hour)
Detail engineering	-----	2,131,100
Non industrial	-----	714,900
Concreting	110,000 M3	13,273,797
Steel structure	6,900 Ton	1,155,475
Piping	1,138,000 ID	10,796,747
Machinery	26,000 Ton	8,102,316
Tanks	17,000 Ton	3,035,653
Electrical	850 Ton	2,055,905
Instruments	11,000 I / O	2,219,380
Insulation	180,000, M2	1,715,000
Painting	940,000 M2	2,390,000
Commissioning	-----	610,000
Total	-----	48,200,000

Complex Feed

Gas condensate	4.5 million Tones / Year (120/000 Barrels / Day)	from south pars gas refineries
Pyrolysis Gasiline	270/000 Tones / Year	from JAM petrochemical Co. (Tenth olefine)

ALL UTILITY SERVICES SUCH AS, ELECTRICITY, VARIOUS TYPES OF WATER, STEAM, NITROGEN, ETC. ARE SUPPLIED BY MOBIN PETROCHEMICAL COMPLEX (CENTRALIZED UTILITY SUPPLIER).

Main products

products	1000 Tones / Year
Para-xylene	750
Bezene	430
Ortho-xylene	100
Total	1280

By products

By products	1000 Tones / Year
Heavy ends	1980
Heavy Aromatics	16
Raffinate	379
Light ends	680
LPG	76
Penthane	47
Total	3178



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Products application

Para-xylene is used in producing PTA, DME as well as intermediate feedstock for polyester and fiber. Benzene is used in producing styrene, Dodesyl Benzene (for detergents), cyclohexane (for nylon), phenol and nitrobenzene (for anylene producing) and solvents. Ortho-xylene is used for producing softeners & pharmaceuticals, pesticides, paints and anhydride phethalic.



Nouri products Export destinations

The products of this complex, in addition to consumption in Iranian industries, are exported to different points of the world, such as: Europe, East & South East of Asia, south region states of persian golf, India peninsula, etc

BPC'S operational units

➤ Nouri Petrochemical company consists of 12 process units: Unit 100:

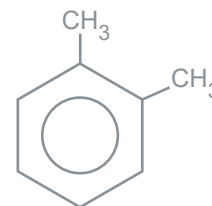
- Pyrolysis Gasoline Hydrogenation
- Unit 200: Gas condensate prefractionation (Separation of light and heavy compounds from gas condensate)
- Unit 250: Naphta hydrotreating (hydrotreating the heartcut, coming from unit 200)



- Unit 300: Catalytic Reforming (reforming of Paraffins to Aromatic compounds).
- Unit 350: Catalytic regeneration
- Unit 400: Reformate and Aromatics separation and producing Ortho-xylene
- Unit 500: Benzene and Toluene extraction (Separation of Aromatics from Non Aromatic hydrocarbons, using NFM as solvent.)
- Unit 600: Disproportionation (separation of Benzene from Toluene and reforming Toluene to Benzene and Xylenes mixture).
- Unit 650: Transalkylation (Reforming C9 Hydrocarbons to Xylenes mixture).
- Unit 700: Para-Xylene separation (separation of Para-xylene from Mixed Xylenes by molecular sieve).
- Unit 800: Isomerization of Ethyl Benzene and Metha-xylene to Para-xylene and Ortho-xylene).
- Unit 950: Light end (C₄ - C₆) hydrotreating unit.(hydrotreating of light end, coming from U-200)



Benzene



Ortho-xylene



Para-xylene

Some honors of Nouri petrochemical complex

- The first Iranian company which acquired HSE-MS certification from SGS of Switzerland during construction and erection period. (Feb.2005)
- Acquisition of HSE-MS certification during operation from SGS of Switzerland (Jun.2008)
- Acquisition of integrated management system (IMS) certification including hereunder standards from SGS of Switzerland (Feb.2009)
ISO 9001 - ISO 14001 - OHSAS 18001 - ISO: TS 29001

- Awarded 5 star "Recognized For Excellence" under EFQM Business model by Iranian Petrochemical Industries Excellency Award in March 2015.
- Based on policies of the company and considering the reduction of industrial pollution leading to freshening the Air and Environmental ingredient protections, about 80000 square meters of green space has been provided (Jun. 2015).



**FUNDAMENTAL VALUES OF
NOURI PETROCHEMICAL COMPANY:**

**A Dynamic Organization leaning on:
Lawfulness, Rationality and Personnel Participation**

**MAJOR STRATEGIES OF
NOURI PETROCHEMICAL COMPANY:**

**Sustainable Profitability
Optimal Management in Procedures and resources
Stakeholders Satisfaction**

NOURI

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