ProOil-335 110.000 bpd Hydroskimming Refinery

Refinery site is located in Central Europe with a designed capacity of 110kbpd Refinery details at a glance

Refinery key indicators				
Europe				
3 Factories: Fuels, Base Oils & Aromatics				
110 kbpd				
290 ha				
1969				
9,1 (2019)				

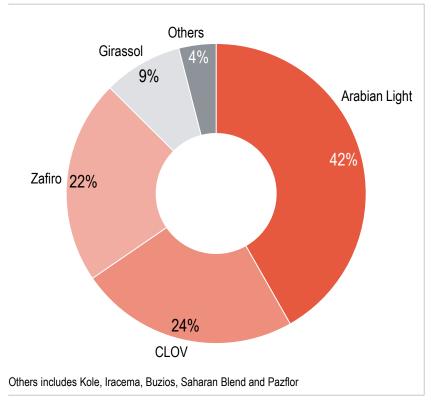


In recent years, the refinery has primarily processed Arabian light crude oil, with diesel being the main product produced

Production highlights

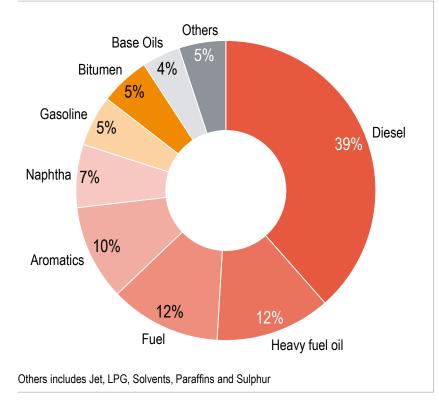


Crude processed in 2020





Refinery product portfolio, 2020



Fuels plant details (1/2)

Unit	Start/Revamp	Licensor	Constructor	Capacity [bpd]	Highlights
1200 Unifining I	1969/89	UOP	FW / Hydrocarbon Res.	33,408	n.a.
1300 Platforming I	1969/89	UOP	FW / Hydrocarbon Res.	17,3	n.a.
1400 Gasoil HDS I	1969	Shell	Foster Wheeler / TecnoEdif	9,03	n.a.
1500 Amine Gas Treat. I	1969/97	Foster Wheeler	Foster Wheeler	158te/d prod.	n.a.
1600 Gas Recovery	1969	Foster Wheeler	Foster Wheeler	158te/d prod	n.a.
1700 Hydrogen PSA	2001	UOP	Foster Wheeler	36.000Nm3/hr	n.a.
3000 Atmospheric Dist.	1975	UOP	Technip	70,603	n.a.
3100 Kerosene Sweet.	1975	Petrolite	Technip	6	Decommissioned
3200 Unifining II	1975	UOP	Technip	13,586	Decommissioned
3300 Platforming II	1975/83	UOP	Technip	11,624	n.a.

Fuels plant details (2/2)

Unit	Start/Revamp	Licensor	Constructor	Capacity [bpd]	Highlights
3400 LPG/LSR Merox	1975	UOP	Technip	4.280 / 4.259	n.a.
3500 Amine Gas treatment II	1975	UOP	Technip	65te/d	Decommissioned
3600 LPG recovery	1975	UOP	Tecnip/Foster Wheeler	6,46	n.a.
3700 Gasoil HDS II	1997	IFP / Axens	ABB Lummus / Fluor	25	n.a.
3775 Sour Water Stripper	1997	IFP	ABB Lummus / Fluor	8,3te/hr	n.a.
3800 Sulphur Recovery I	1997	Lurgi	ABB Lummus / Fluor	40,5te/d Sulphur	n.a.
10000 Vacuum unit	2011	Shell	Fluor	35.500	n.a.
10100 Visbreaker unit	2011	Shell	Fluor	13.017	n.a.
10775 Sour Water Stripper II	2011	Fluor	Fluor	25 ton/hour	n.a.
10800 Sulphur Recovery II	2011	KTI	Fluor	25 ton/day	n.a.

Base Oils plant details

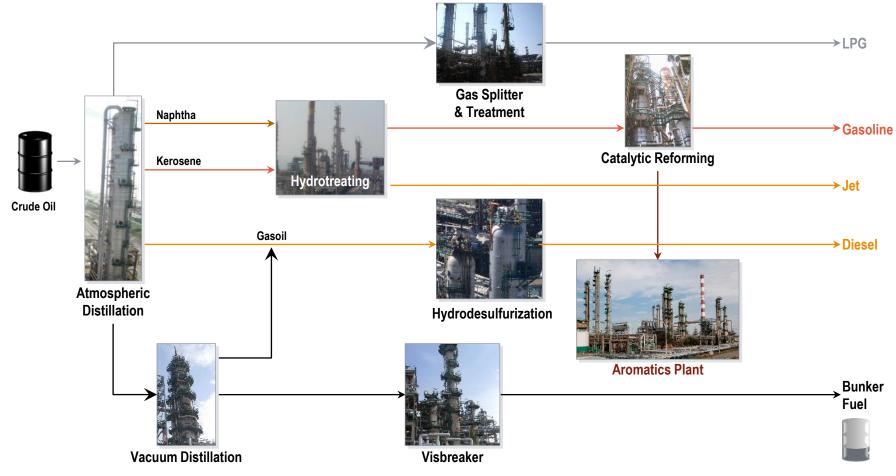
Unit	Start/Revamp	Licensor	Constructor	Capacity [bpd]	Highlights
2000 A. Atmospheric Dist.	1969/84	Foster Wheeler	Foster Wheeler	25.708	n.a.
2000 V. Vacuum Distillation	1969/84/89	Foster Wheeler	Foster Wheeler	11.956	n.a.
2100 Propane Deasphalting	1969/84	Foster Wheeler	Foster Wheeler	3.819	n.a.
2200 Furfural Extraction	1969/84	Texaco	Foster Wheeler	5-178	n.a.
2300 MEK Dewaxing	1969/84	Техасо	Foster Wheeler	4.906	n.a.
2400 Lube Hydrofinishing	1969/84	ВР	Foster Wheeler	3.985	n.a.
2550 Wax Hydrogenation	2000	Exxon Mobil	Foster Wheeler	664	n.a.
2600 Asphalt	1969	Foster Wheeler	Foster Wheeler	420te/d	n.a.

Aromatics plant details

Unit	Start/Revamp	Licensor	Constructor	Capacity [bpd]	Highlights
100 Pre-Distillation	1981	Lurgi	Badger	20.760	n.a.
200 Arosolvan – Benz./Tol.	1981	Lurgi	Badger	1.480 / 3.700	n.a.
300 Parex - Paraxylene	1981	UOP	Badger	2.280	Decommissioned
400 Isomar - Ortoxylene	1981	UOP	Badger	770	Decommissioned
500 Solvents - Arom./Aliph.	1981	Lurgi	Badger	3.710/2.080	n.a.

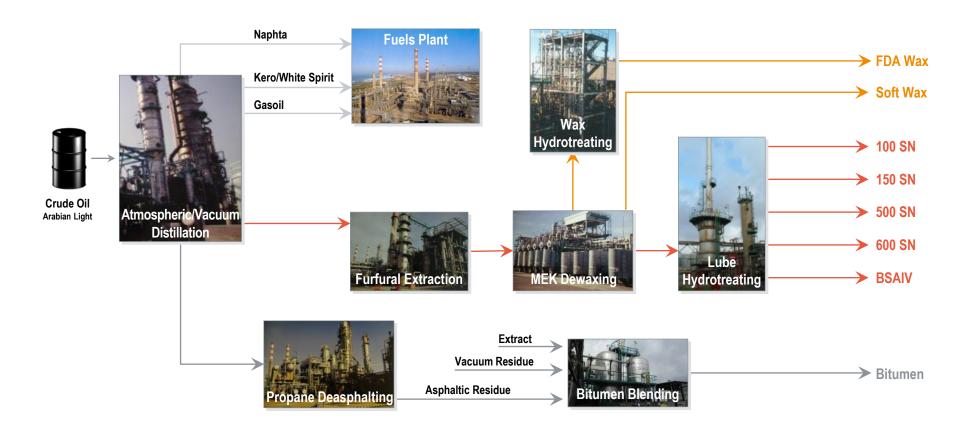
Refinery | Hydroskimming (1969) + Vac.U-VisB (2011)

Refinery flowsheet (1/3)



Refinery | Base Oils Plant (1969)

Refinery flowsheet (2/3)



Refinery | Aromatics Plant (1981)

Refinery flowsheet (3/3)

