

Raw materials

Our upstream production and refining operations are in keeping with the most stringent environmental protection requirements. We make high quality products causing the lowest possible environmental nuisance and we take care to minimise their environmental impacts already at the production stage.

103-1, 103-2, 103-3

Our growth plans embrace innovative technologies supporting the sustainable use of natural resources.

Feedstock consumption is monitored only at the consolidated level, for the entire LOTOS Group.

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Feedstock used in production processes:

	Mg		Yoy change
	2018	2019	
REBCO	7,532,950	8,364,817	+11.0%
Oil from LPB offshore licence areas	201,434	191,405	-4.98%
Oil from PGNiG	275,752	215,469	-21.86%
LITHUANIAN crude	41,531	47,193	+13.63%
Other	1,574,408	1,853,550	+17.73%
Total	9,626,075	10,672,434	+10.9%

Other feedstock used in refining operations

	Mg		Yoy change
	2018	2019	
Demineralised water	332,046	270,869	-18.4%
FAME (fatty acid methyl ester)	256,559	280,094	+9.2%
Diesel oils	328,371	161,541	-50.8%
ETBE (ethyl tert-butyl ether)	11,536	11,355	-1.6%
Ethanol	62,284	69,973	+12.3%

MTBE (methyl tert-butyl ether)	47,595	49,465	+3.9%
Natural gas	425,928	368,168	-13.6%
Additives	2,801	2,809	+0.3%
Other	3,859	152,476	+3851.0%
Total	1,470,979	1,366,750	-7.1%

Raw materials and feedstock used within the refinery

	Mg		
	2018	2019	Yoy change
Fuel gas	349,190	346,055	-0.9%
Tail gas	481,433	381,669	-20.7%
Fuel oil	951	10,794	1,035.0%
Other	105,742	110,137	4.2%
Total	937,316	848,655	-9.5%

Consumption of final products

	Mg		
	2018	2019	Yoy change
Gasolines (including reformates)	1,633,487	1,659,677	1.6%
Kerosene	537,766	474,031	-11.9%
Xylene	90,943	89,694	-1.4%
Diesel oil	5,379,741	5,537,200	2.9%
Diesel oil	243,982	225,486	-7.6%
Fuel oil	1,333,262	1,038,047	-22.1%
MGO fuel	78,636	69,087	-12.1%
Jet fuel	568,330	446,913	-21.4%
Bitumen components	773,448	775,676	0.3%
LPG	185,755	198,214	6.7%

Base oils	255,612	252,385	-1.3%
Slack waxes	50,079	46,732	-6.7%
Plasticisers	29,297	29,872	2.0%
Sulfur	89,852	88,351	-1.7%
Other, including: 2,509 tonnes of fuel gas sold to LOTOS Asfalt	32,185	252,064	683.2%
Total	11,282,376	11,183,428	-0.9%