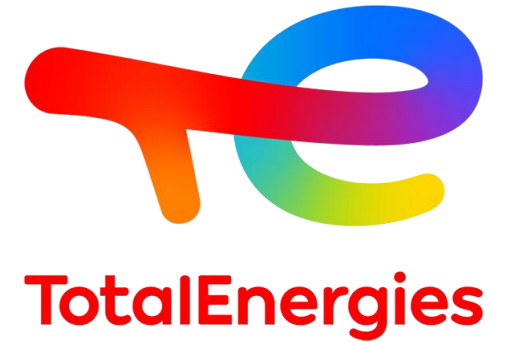
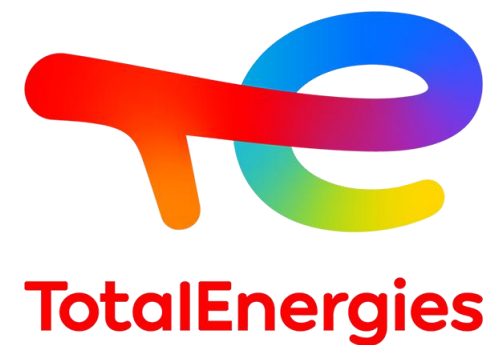




TotalEnergies Raffinerie Mitteldeutschland GmbH

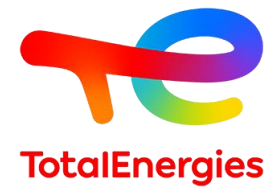
Site presentation

2025



Contents

1. TotalEnergies Germany
2. Chemical Complex Leuna
3. TotalEnergies Refinery Leuna



01.

TotalEnergies Germany



Marketing & Services

1 TotalEnergies Marketing Deutschland

★ Tanklager in Dresden, Duisburg, Hartmannsdorf, Kehl, Heilbronn

2 TotalEnergies Charging Solutions

3 TotalEnergies Bitumen Deutschland

4 TotalEnergies Glass Lubricants Europe

5 TotalEnergies Wärme&Kraftstoff Deutschland

★ Heizöl-Kundenzentren in Berlin, Chemnitz, Dresden, Duisburg, Erkelenz, Erfurt, Fellbach, Leipzig, Mannheim, Saarbrücken, Stralsund

6 AS 24

7 Mineralölwerk



Refining & Chemicals

1 TotalEnergies Raffinerie Mitteldeutschland

2 Hutchinson

3 Hutchinson OLUTEX

4 Hutchinson – PFW Aerospace

5 Hutchinson Stop-Choc

6 MIDER-Helm Methanol

7 Mineralölverbundleitung MVL

8 Polyblend



TotalEnergies



Gas, Renewables & Power

1 TotalEnergies Renewables Deutschland

2 TotalEnergies Deutschland Offshore Wind



3 Automotive Cells Company (ACC), *in construction*

4 Energiedienstleistungen Rhein-Neckar (GreenFlex Deutschland)

5 Kyon Energy

6 NASH Renewables

7 QUADRA Energy



8 SAFT



9 SAFT – Friwo/Tadiran

10 TENAG (GreenFlex Deutschland)



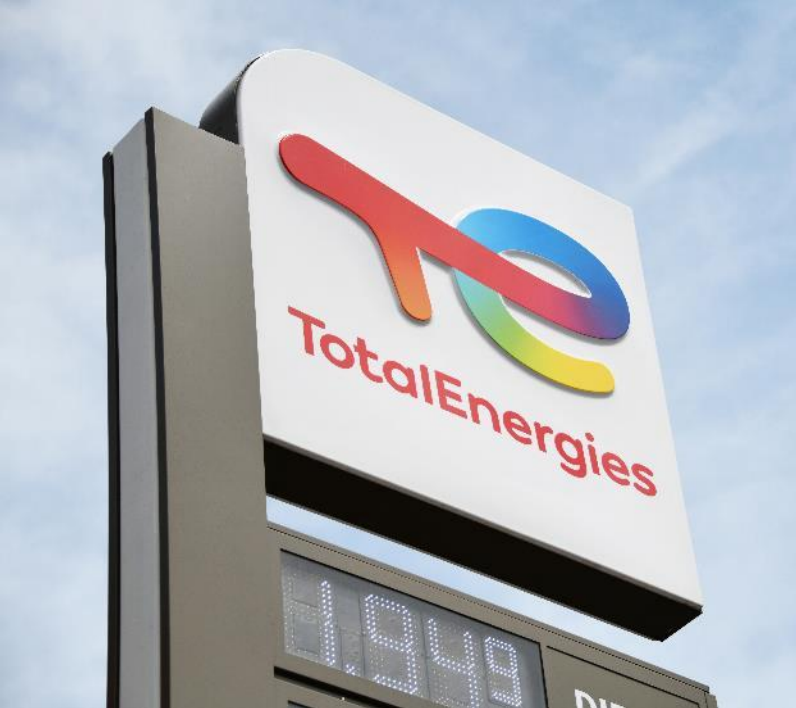
Deutsche Ostsee LNG-Terminal



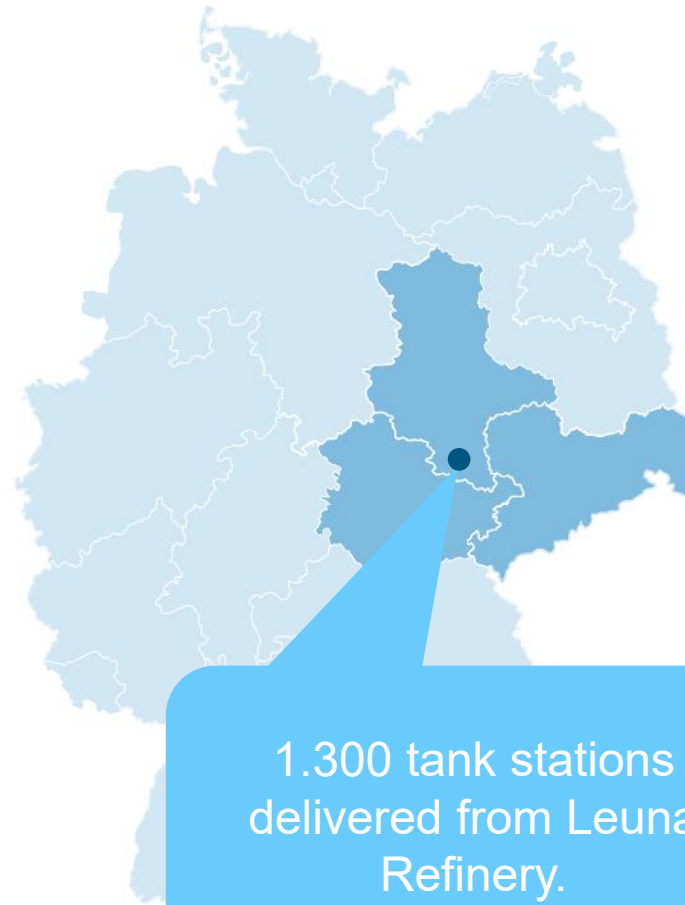
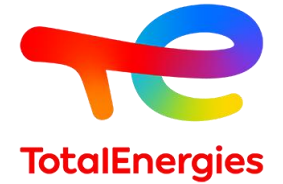
Offshore Wind Park Projekt



TotalEnergies sites in Germany



TotalEnergies gas stations



1.300 tank stations
delivered from Leuna
Refinery.

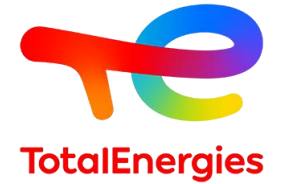
- The German TotalEnergies filling station network was sold to Alimentation Couche-Tard at the end of 2023.
- The new owner will continue to operate the stations under the Circle K TotalEnergies brand for at least 5 years.
- With more than 1,200 TotalEnergies stations in the Circle K filling station network throughout Germany, the company is a reliable partner for mobility.
- The Leuna refinery largely covers the fuel requirements for Saxony-Anhalt, Saxony and Thuringia.

02.

Chemical Complex Leuna



Germany's largest chemical complex



Area

1,300 hectare

Investments

approximately 9 bn € since 1990

Expansion

6 km long, 2 km wide

Employees

approximately 12.000

Street network

40 km

Transports

600 trucks + 600 tank cars daily

Rail network

90 km

Companies

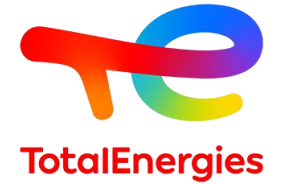
100 (of which over 20 in the chemical/mineral oil sector)

Pipelines

600 km



Chemical Complex Leuna – producer of:



Gasoline, diesel, kerosene, fuel oil, heavy fuel oil, liquefied petroleum gas, naphtha, bitumen, methanol, sulfur

Industrial gases (oxygen, nitrogen, hydrogen, etc.)

Caprolactam, resins, carpet yarns, polyamide, sulfuric acid

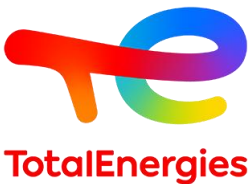
Hydrogen peroxides

Surfactants, flow improvers, catalysts, specialty chemicals

03.

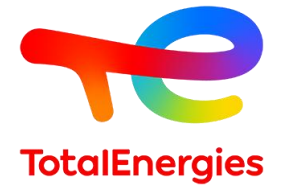
TotalEnergies Refinery Leuna

Our refinery at the Chemical Complex Leuna



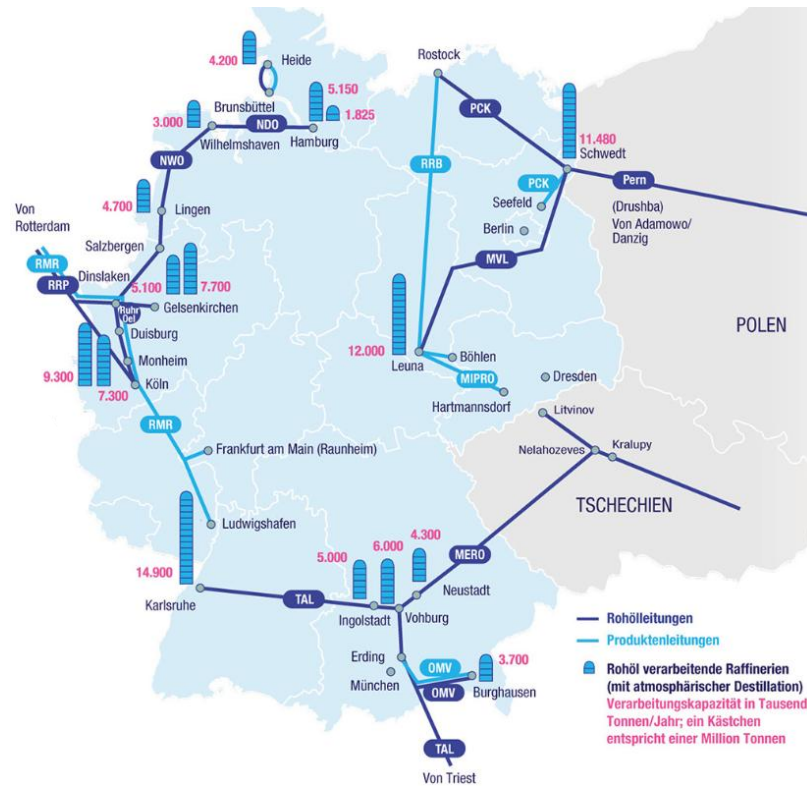
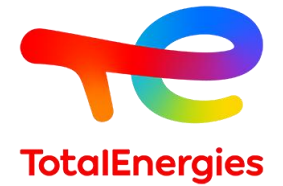
 TotalEnergies	New process plants
	POX / Methanol plant
	Tank farm plant 2
	Methanol loading
iqony	Plant

Our site from above



German refineries| Capacities

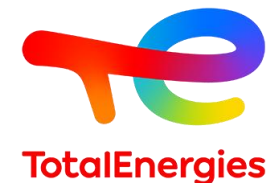
Source: en2x 2024



REFINERY	COMPANY	SITE	CAPACITY
01 MIRO Mineraloelraffinerie Oberrhein GmbH	Shell/ ESSO/ Rosneft / Phillips 66	Karlsruhe	14.900 kT
02 Ruhr Oel GmbH Gelsenkirchen	BP Europa SE	Gelsenkirchen	12.800 kT
03 TotalEnergies Raffinerie Mitteldeutschland	TotalEnergies	Leuna	12.000 kT
04 PCK Raffinerie GmbH Schwedt	Rosneft/ Shell / Eni	Schwedt	11.480 kT
05 Bayernoil Raffineriegesellschaft mbH	Varo ER, Rosneft Deutschland, Eni Deutschland	Neustadt	10.300 kT
06 Rheinland Raffinerie Köln	Shell Deutschland GmbH	Köln / Godorf	9.300 kT
07 Rheinland Raffinerie Wesseling	Shell Deutschland GmbH	Wesseling	7.300 kT
08 Holborn Europa Raffinerie GmbH	Holborn Investment Company Ltd.	Hamburg	5.150 kT
09 GUNVOR Raffinerie Ingolstadt GmbH	Gunvor Group Ltd.	Ingolstadt	5.000 kT
10 BP Lingen (Emsland)	BP Europa SE	Lingen	4.700 kT
11 Raffinerie Heide GmbH	Kiesch & Company Ltd.	Heide	4.200 kT
12 OMV Deutschland Operations GmbH & Co. KG	OMV AG (Wien)	Burghausen	3.700 kT
13 Nynas GmbH & Co. KG	Nynas AB	Hamburg	1.825 kT
Total			102.655 kT



Key figures



Foundation

December 1994

Area

321 hectare

Original investment

2.6 bn €

Storage capacity products

1,125,000 m³

Construction period

42 months

Ø Apprentices

50

Begin of production

November 1997

Employees (06.2023)

approximately 650

Storage capacity crude oil

300,000 m³

Catchment area

Central Germany

Processing capacity

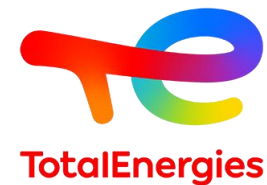
12 million tons

Shipment

Rail 65%, street 20%, pipeline 15%



Certificates



Health and safety management | DIN ISO 45001

Quality management | DIN EN ISO

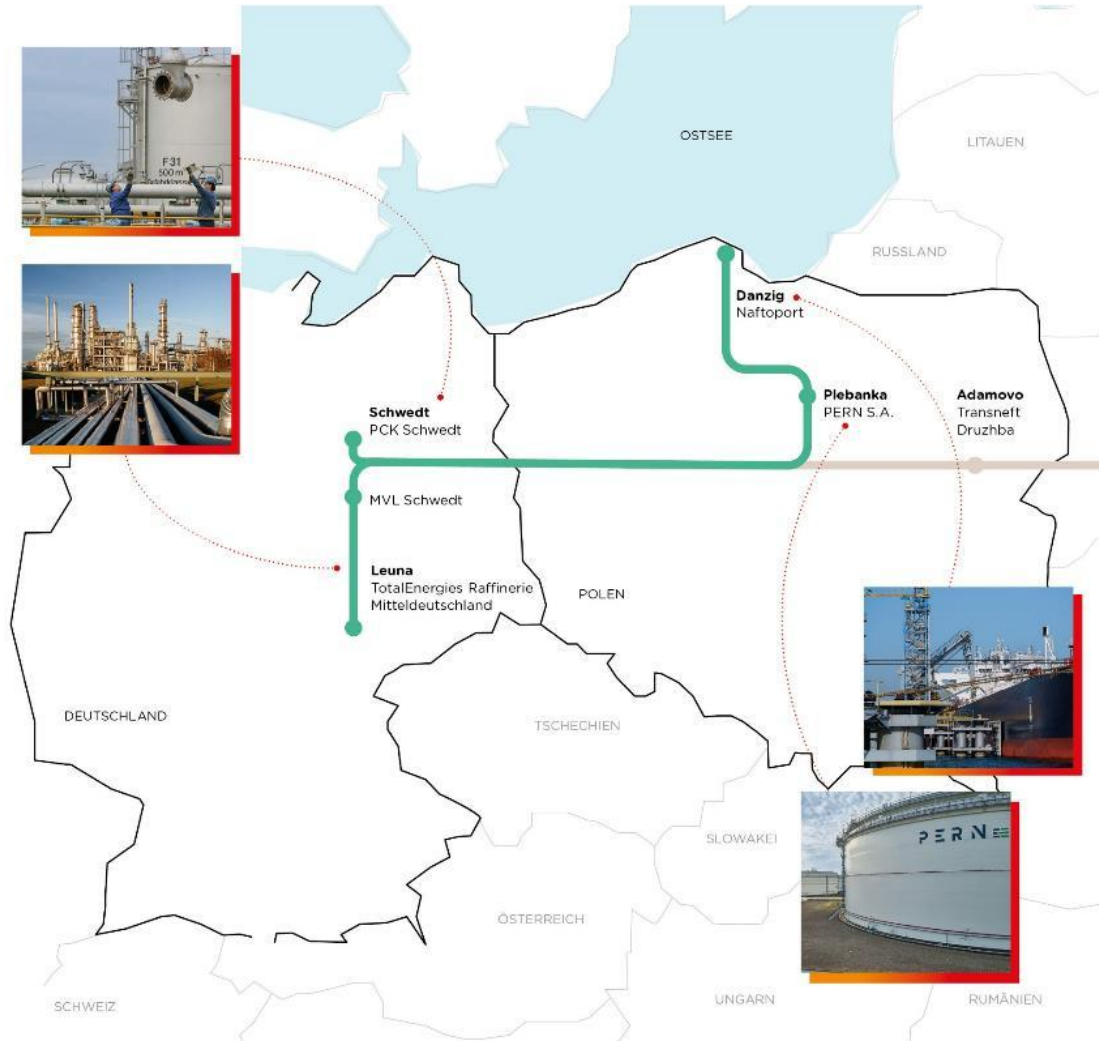
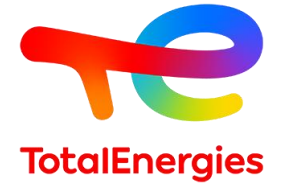
Environmental management | DIN EN ISO

Energy management | DIN EN ISO 50001

Laboratory accreditation | DIN ISO 17025

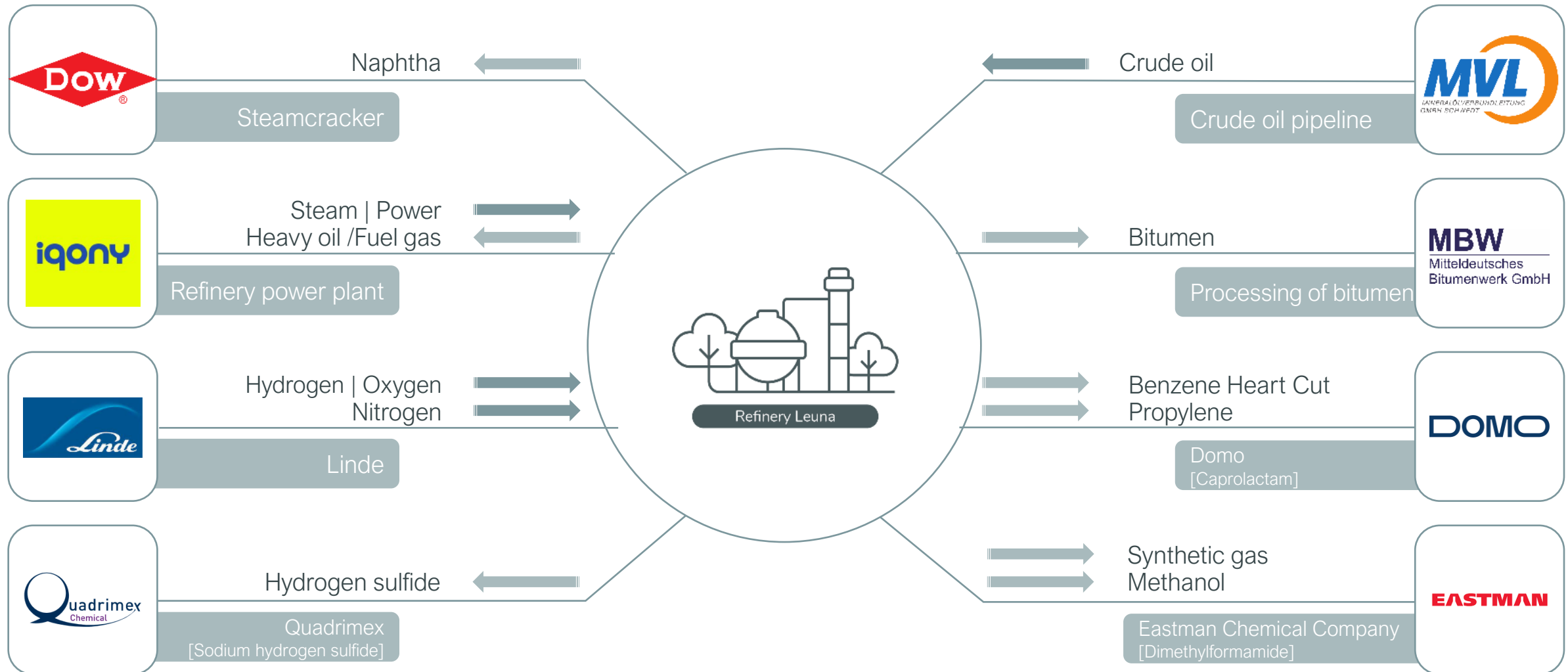


Crude oil supply for Leuna

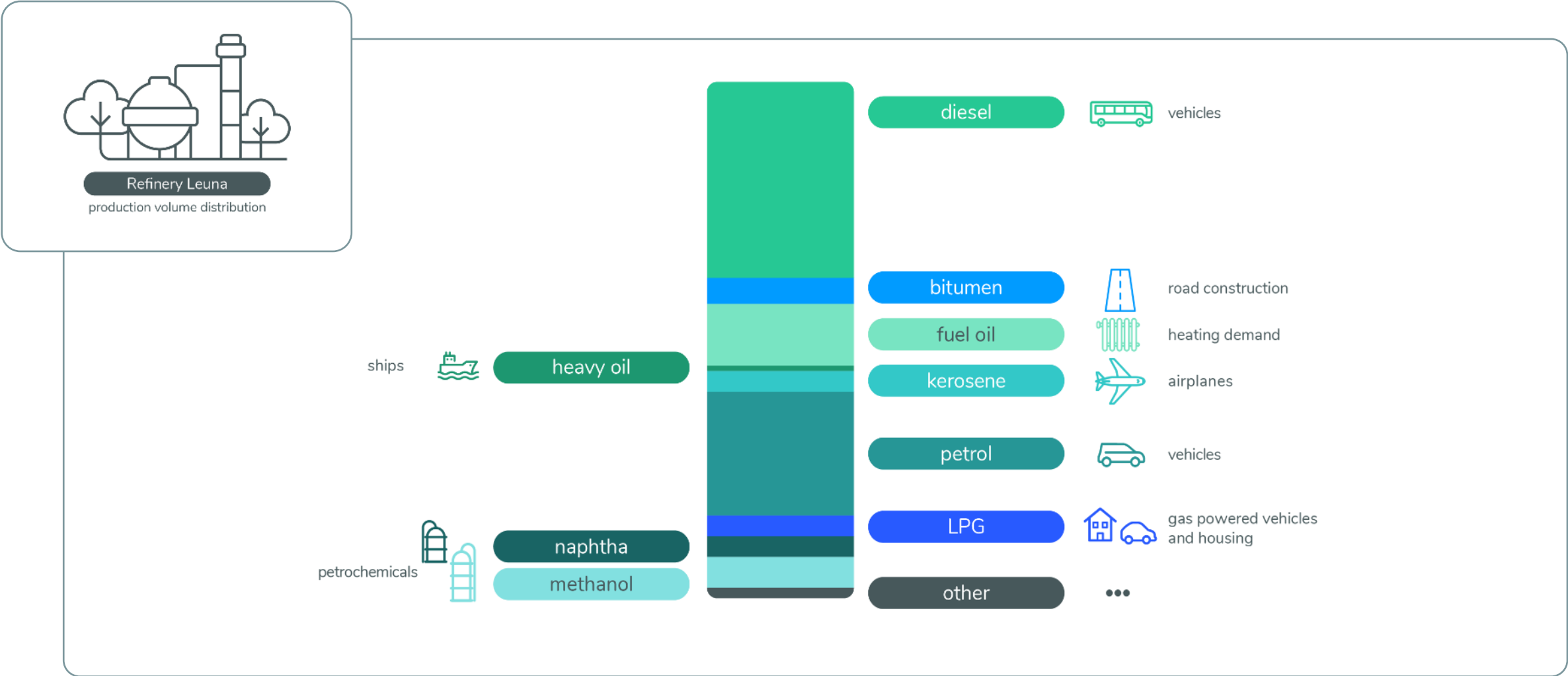
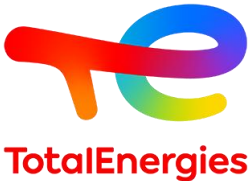


- Before the Ukraine war: 25 years of crude oil supply from Russia, mainly via the Druzhba pipeline
- March 2022: Start of the switch to non-Russian crude oil
- January 2023: Stop of the purchase of Russian crude oil
- Today: Crude oil procurement on the international market with a diversified crude oil mix from the UK, Saudi Arabia, United Arab Emirates, Norway, etc.
- Transports are carried out by tankers or cargo ships to the port of Gdansk on the Polish Baltic coast
- From the port of Gdansk, crude oil is pumped around 1,000 km by pipeline to the refinery in Leuna. Duration: approx. 25

How we utilize synergies at the site

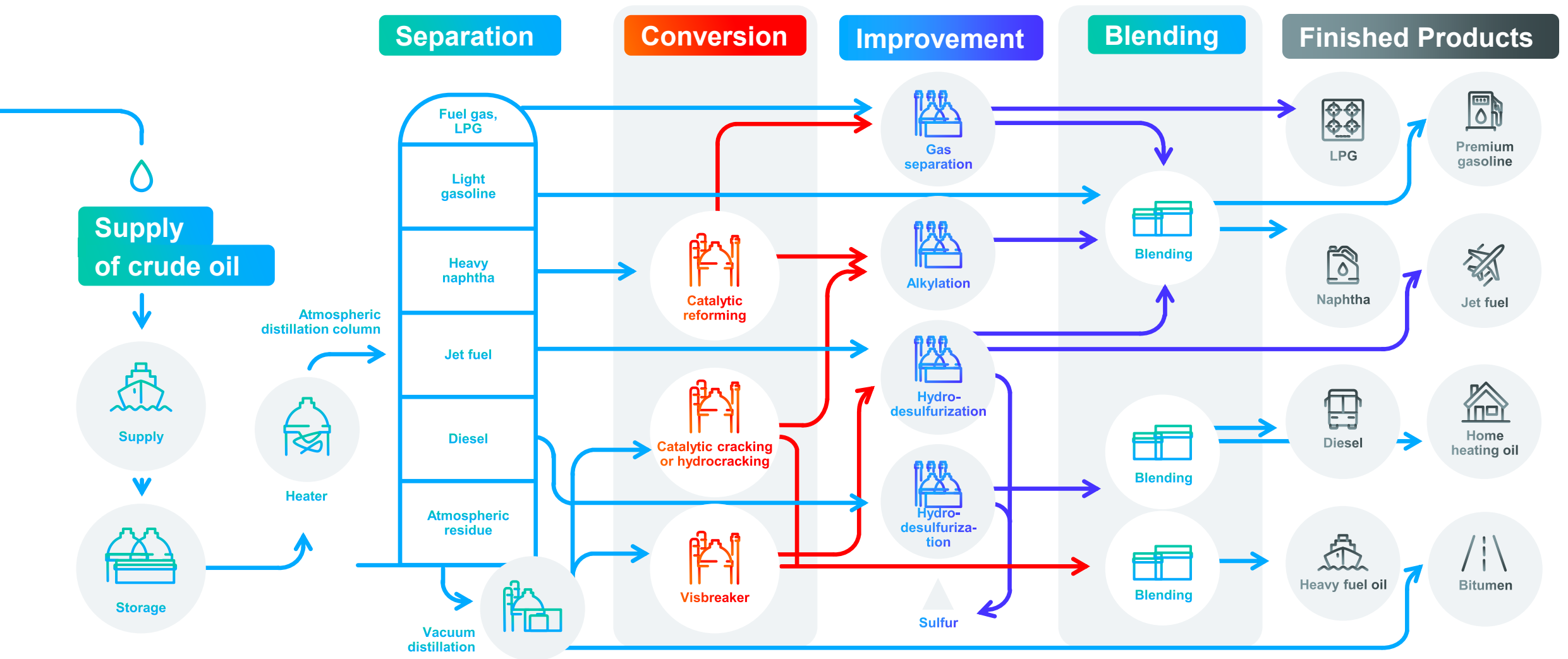


Our products

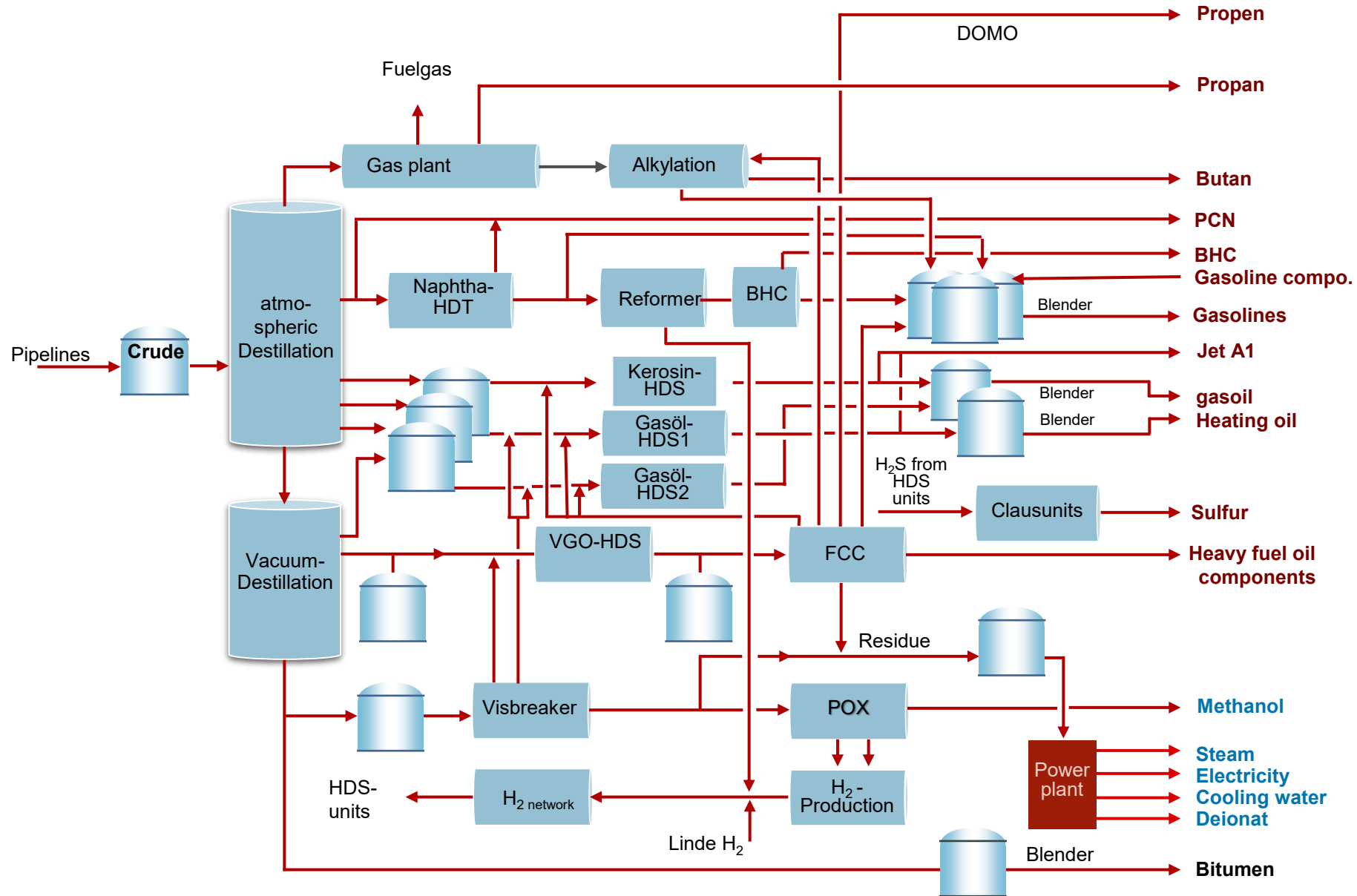
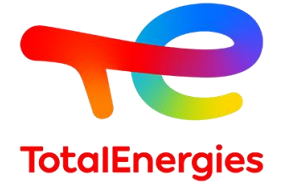


Production process - simplified scheme

Refining Process Scheme



Refinery Process scheme

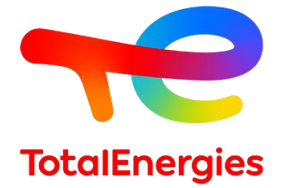


POX methanol plant

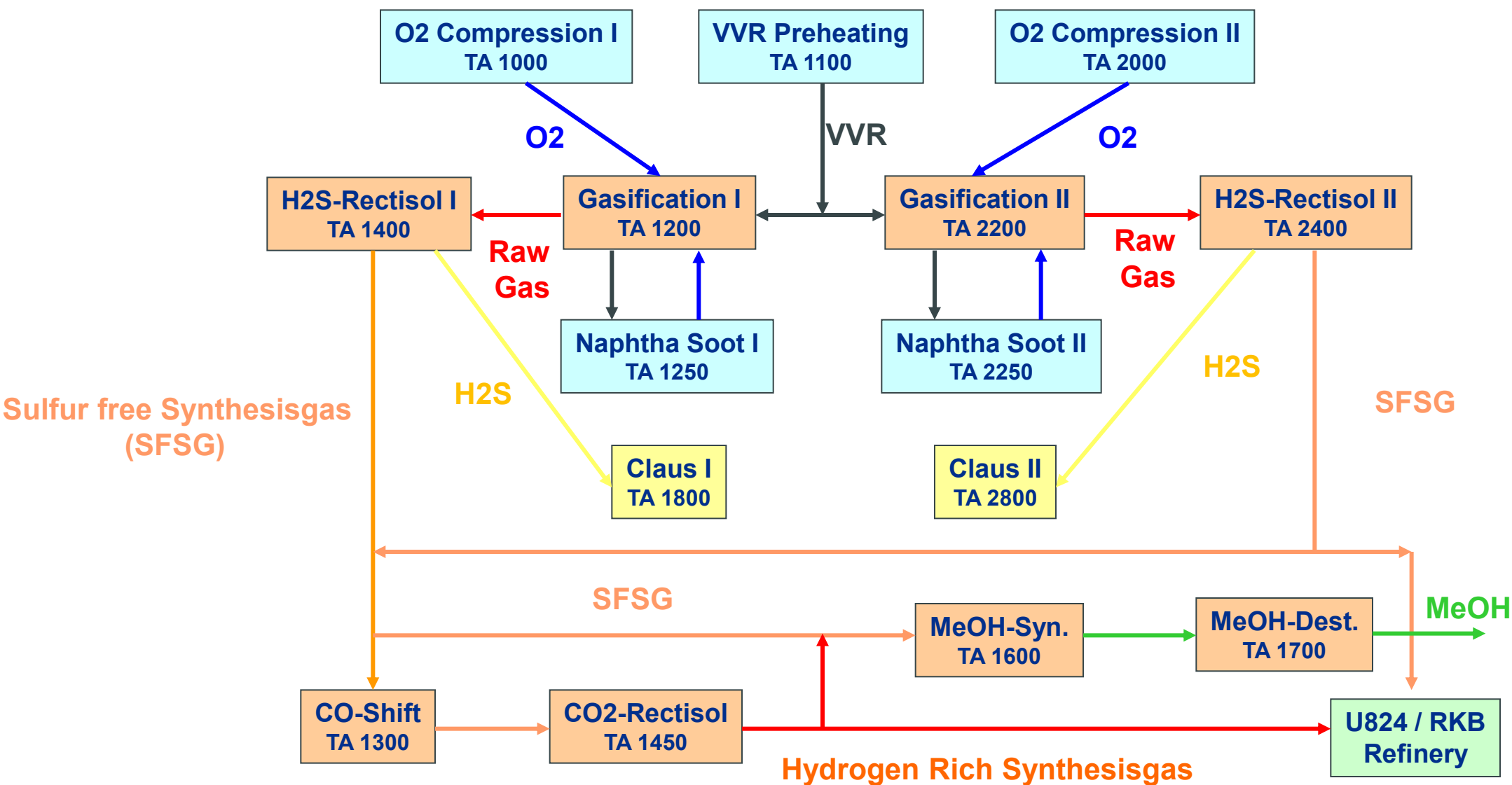
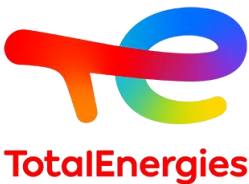


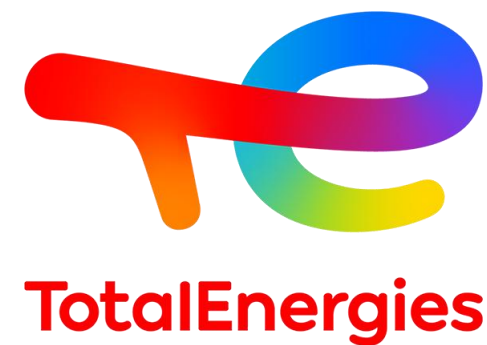


What you need methanol for



POX / METHANOL UNIT OVERVIEW





Thank you for your attention!