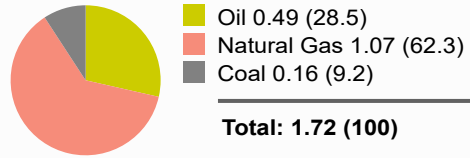


Malaysia • Fossil fuels

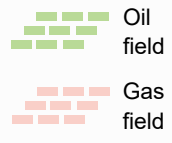
Conventional proved reserves by fuels, Billion tonnes of oil equivalent (%):



Source: Based on the U.S. Energy Information Administration data (Mar 2024).

Coal mine fields:

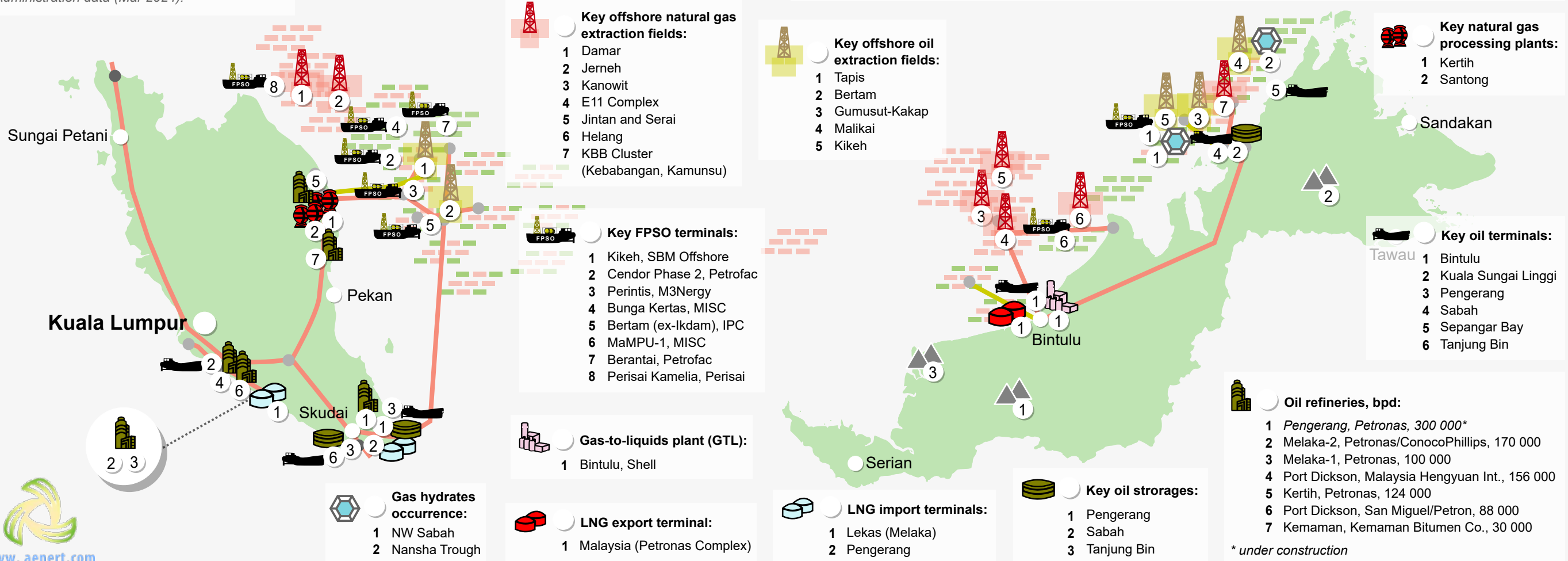
- 1 Merit Pila, Sarawak
- 2 Maliau, Sabah
- 3 Ulu Sikat (Mukah-Balingian), Sarawak



- Oil field
- Gas field
- Crude oil pipeline
- Oil products pipeline
- Natural gas pipeline
- Pipeline start/end connection points
- Border crossing

As of 2021 Malaysia had 3.6 bln barrels of proved oil reserves, extracted about 659.8 thousand barrels of crude oil per day, 42.0 Tcf of proved natural gas, extracted about 2648.0 Bcf of natural gas and 225.9 million tonnes of coal, extracted about 3.8 mln short tons. Malaysia's conventional oil infrastructure include 6 operating oil refineries with a total crude oil processing capacity of 668 000 bpd and 1 under construction oil refinery with planned 300 000 bpd; some FPSO terminals, oil terminals and oil storages. There are 1937 km of crude oil, 114 km of refined products and 43 km of oil/gas/water pipelines. Conventional natural gas – include 1 operating LNG export terminal with a total export capacity of 29.3 million tonnes per year and 2 operating LNG import terminals with a total import capacity of 7.8 million tonnes per year; some gas processing plants; 155 km of liquid petroleum gas, 354 km of condensate and 6439 km of natural gas pipelines.

Sources: U.S. Energy Information Administration (Dec 2021); Central Intelligence Agency; A Barrel Full; Wikipedia.



- ### Key offshore natural gas extraction fields:
- 1 Damar
 - 2 Jerneh
 - 3 Kanowit
 - 4 E11 Complex
 - 5 Jintan and Serai
 - 6 Helang
 - 7 KBB Cluster (Kebabangan, Kamunsu)

- ### Key offshore oil extraction fields:
- 1 Tapis
 - 2 Bertam
 - 3 Gumusut-Kakap
 - 4 Malikai
 - 5 Kikeh

- ### Key natural gas processing plants:
- 1 Kertih
 - 2 Santong

- ### Key FPSO terminals:
- 1 Kikeh, SBM Offshore
 - 2 Cendor Phase 2, Petrofac
 - 3 Perintis, M3Nergy
 - 4 Bunga Kertas, MISC
 - 5 Bertam (ex-Ikdam), IPC
 - 6 MaMPU-1, MISC
 - 7 Berantai, Petrofac
 - 8 Perisai Kamelia, Perisai

- ### Key oil terminals:
- Tawau
- 1 Bintulu
 - 2 Kuala Sungai Linggi
 - 3 Pengerang
 - 4 Sabah
 - 5 Sepangar Bay
 - 6 Tanjung Bin

- ### Gas-to-liquids plant (GTL):
- 1 Bintulu, Shell

- ### LNG export terminal:
- 1 Malaysia (Petronas Complex)

- ### LNG import terminals:
- 1 Lekas (Melaka)
 - 2 Pengerang

- ### Key oil storages:
- 1 Pengerang
 - 2 Sabah
 - 3 Tanjung Bin

- ### Oil refineries, bpd:
- 1 Pengerang, Petronas, 300 000*
 - 2 Melaka-2, Petronas/ConocoPhillips, 170 000
 - 3 Melaka-1, Petronas, 100 000
 - 4 Port Dickson, Malaysia Hengyuan Int., 156 000
 - 5 Kertih, Petronas, 124 000
 - 6 Port Dickson, San Miguel/Petron, 88 000
 - 7 Kemaman, Kemaman Bitumen Co., 30 000
- * under construction