

Tankers

by wunir via cheatography.com/68927/cs/17364/

Liquid bulk transport

Large diverse fleet

- Product/handy size
- Panamax
- suezmax
- VLCC
- ULCC

Shipowners - 130 Norwegian

- Odfjell
- BW Gas
- Klaveness
- KnutsenOAS
- Frontline

Income from one-way shipping, high fluctuation in price

Customers

- Energy
- Chemical
- Agriculture

Crude oil -a bit different...

Oil is a strategic business and market economics operate within a political framework

Accidents

Piracy

Factors of importance:

- Refinery location
- Balancing trades
- Deficit trade

Current Energy Sources

Fossil fuels provide about 95% of all commercial energy in the world

Sustainable or renewable energy resources currently provide less than 3%of world power

Nuclear energy provides about twice as much energy as renewable sources

Chemical tankers

Ships intended for transportation of all types of liquid chemicals

"Drugstore ships"

Crude oil tankers

Unrefined (crude) oil

Approx 500 ULCC/VLCC

Lightening is common [transferring between two ships]

Gas carriers

Gas carriers are ships intended for transportation of compressed or liquefied gas

Large scale LNG trade is characterized by long term commitments contracts between seller and buyer

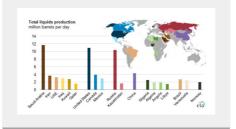
Product tankers

Ships intended for transport of all types of oil products except crude oil

Old and modern tanker comparison

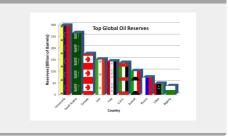


Oil production



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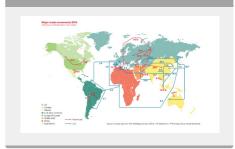
Top Global Oil Reserves



Major crude oil trade routes



LNG trade



Natural gas consumption





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