OCT 2024

ExxonMobil

Marine Port Guide

Singapore

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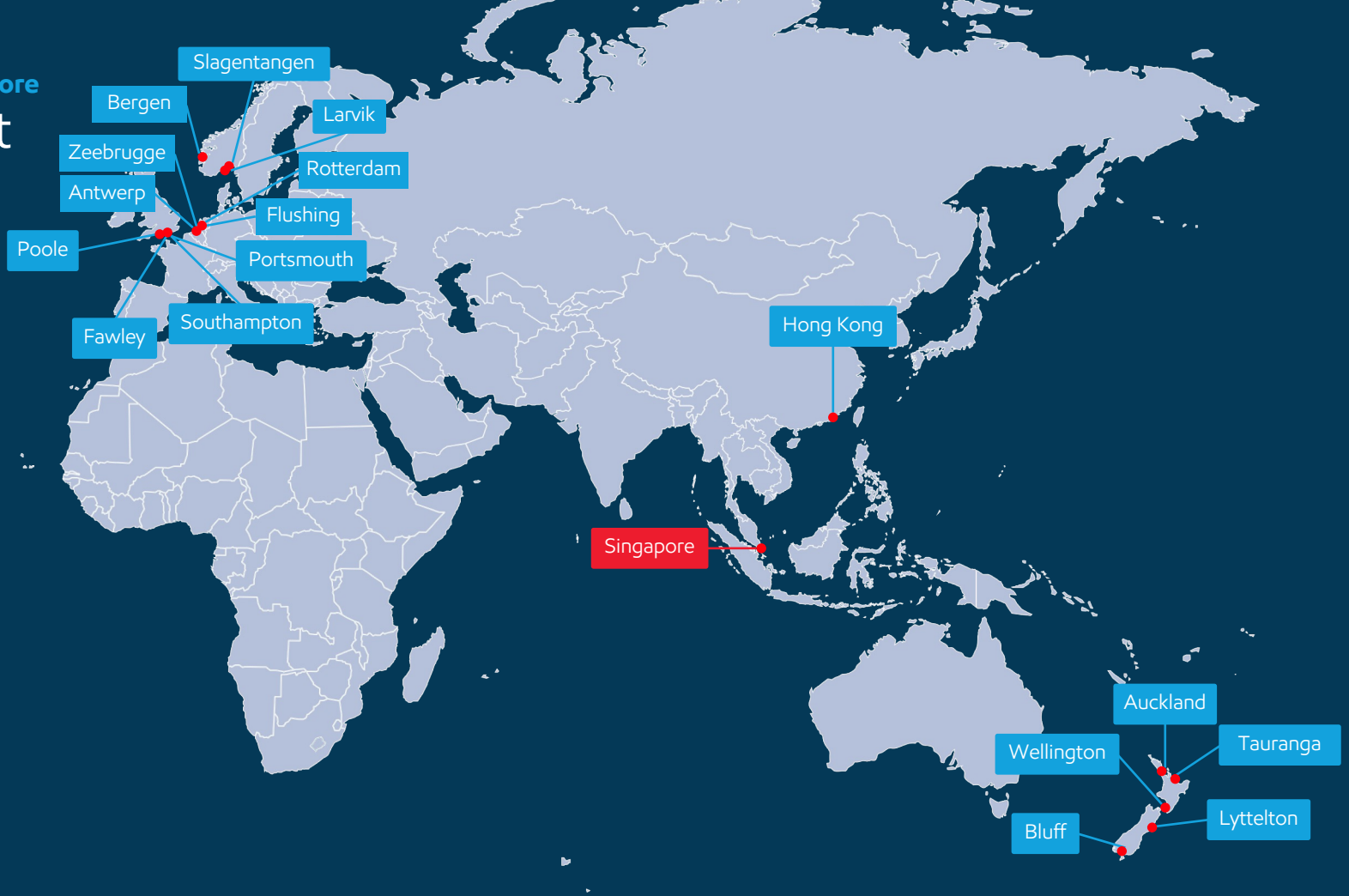
Singapore
Port



Singapore

Marine Port Guide

Quality, Reliability, Integrity

ExxonMobil has more than 50 years of experience in supplying high-quality fuels to the marine industry.

Our high-quality fuels help deliver consistent performance to vessel owners and operators worldwide. We maintain high standards of integrity and ethics across our operations to help provide peace of mind and enable owners and operators to deliver reliably.[1]

About the Port of Singapore

- World's largest bunkering port
- Mandatory use of MPA-approved MFM system for all bunker deliveries
- Stringent bunkering standards (SS 600, SS 524)

[1] Marine Fuel Commitment to Quality | ExxonMobil Marine

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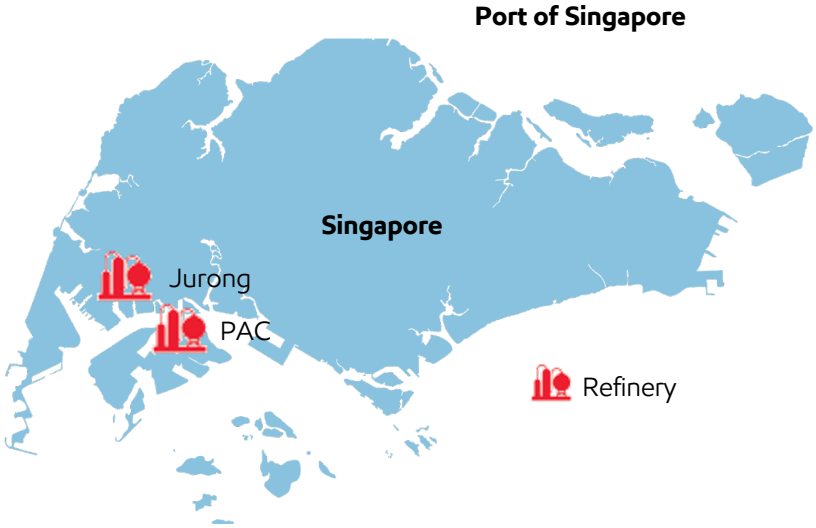
Marine Port Guide

ExxonMobil in Singapore

- Two integrated refineries with a capacity of 592,000 barrels per day
- Dedicated barging capability for multiple products
- First to introduce mass flow metering system (MFMS) technology in 2012
- Drop-in Bio Marine Fuel Blends Offer



Singapore

Product Offer

Port	Conventional fuels		Bio Marine Fuel blends
Singapore	VLSFO (0.5%S)	Distillate	BIO VLSFO (0.5%S)
	Fuel Oil – RMG 380	DMA – 0.10%S	Bio – RMG 380

ExxonMobil offers a range of options for vessel operators compliant with the IMO Sulphur cap requirements and meeting ISO8217:2017 (except the FAME component which meets EN14214 for Bio Marine Fuel Blends)

Contact our international sales team for more information about our fuel offerings at the Port of Singapore

Asia Pacific
Email: **DS-F&L-AP-MARINE@exxonmobil.com**

Europe (Brussels)
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Singapore

Product Information – Conventional Fuels

	Fuel Oil RMG 380	MGO DMA
Sulphur content	Max 0.50%	Max 0.10%
Viscosity	max 380 cSt at 50°C	2-6 cSt at 40°C
Flash Point	Min 60°C	Min 60°C
Al + Si, mg/kg	Max 60ppm	N/A
Delivery Method	Barge/Ex-wharf	Barge/Ex-wharf
Info	Can safeguard engines running on 0.50% sulphur fuels; range offers improved combustion while minimising waxing	Minimal requirement for fuel treatment; no heating requirement
Website link	Fuel Oil (pdf)	DMA (pdf)

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Product Information – Bio Marine Fuel Blends

	BIO-VLSFO (except FAME)
Sulphur content	Max 0.50%
Viscosity	max 380 cSt at 50°C
Flash Point	Min 60°C
Bio content	Max 24vol% FAME
FAME	Meets EN14214
Handling	Drop in fuel*
Delivery Method	Barge
Info	Reduced estimated lifecycle GHG emissions compared to conventional petroleum-based liquid fuels**
Website	Bio Marine Fuels

*Consult with engine manufacturer. OEMs may limit bio blend percentages or specific bio components for certain engines.

**Benefit compared with conventional petroleum-based liquid marine fuels, calculated on an energy basis. Estimated well-to-wake CO_2 emissions reduction calculated using Energy Directive (2018/2001/EU Annex V) ("RED II"). Actual results may very and lifecycle GHG emissions reduction can vary with each batch and will depend on factors such as the specific feedstock and production process.

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