

Methanex Methanol & Net Zero Voyage – Fact Sheet

The Global Leader in Methanol: Methanex is a Vancouver-based, publicly traded company and the world's largest producer and supplier of methanol to major international markets.

Methanex Methanol

- **What is Methanol?** A highly versatile chemical building block used to make thousands of everyday products.
- Methanol is biodegradable.
- **Methanol's Role in the Low-carbon Economy:** With wide availability around the world, methanol can help meet the increased demand for petrochemicals-based products and reduce air pollution and GHG emissions from combustion-related fuel applications.
- **Cost-Effective:** The transition from conventional marine fuel to methanol is safe and simple, requiring minimum investment from ship owners when compared to other alternative fuels (e.g. hydrogen, ammonia).
- **Growing New Markets:** Methanex is committed to playing an active role in developing and growing new markets for methanol, such as marine fuel, vehicle fuel, thermal applications including industrial boilers and cooking stoves, and lower carbon methanol as feedstock for chemical applications.

Committed to Decarbonization

- Methanex is committed to playing an active role in the transition to a low-carbon economy.
- **Cleaner-burning:** As a cleaner-burning marine fuel, conventional methanol meets the IMO's pollutant emissions regulations, significantly reducing SOx by 99 per cent, NOx by up to 80 per cent, and PM by 95 per cent compared to heavy fuel oil.
- **Innovation:** Methanex continues to prioritize innovation in methanol marine fuel to help meet the shipping industry's decarbonization goals.

Net Zero Voyage: On February 4, 2023, Methanex successfully completed the first-ever net zero trans-Atlantic voyage, fueled by bio-methanol.

Voyage Quick Facts

- **Voyage Duration:** This first of its kind trans-Atlantic voyage was completed over 18 days.
- **Departure & Arrival:** The vessel departed from Geismar, Louisiana, USA on January 17, 2023, and arrived in Antwerp, Belgium on February 4, 2023.
- **Voyage Partners:** The voyage was conducted through Methanex’s subsidiary [Waterfront Shipping](#) and in partnership with [Mitsui O.S.K. Lines, Ltd \(MOL\)](#).
- **The Vessel:** The voyage was completed by Waterfront Shipping’s operated ocean tanker, Cajun Sun.
- **Voyage Purpose:** To showcase that the pathway to net-zero emissions and the decarbonization of the shipping industry is possible today with methanol as a marine fuel.

Powered by Bio-Methanol

- **Innovative Methanol Blend:** Methanex’s bio-methanol fuel blend is made from conventional methanol, produced from natural gas, and negative carbon-intensity bio-methanol, produced from renewable natural gas at Methanex’s [ISCC-certified](#) facility in Geismar, Louisiana, USA.
- **Net-Zero Carbon Emissions:** This innovative bio-methanol fuel blend offers ship owners the ability to achieve net-zero carbon emissions on a lifecycle basis today.
- **Production Capabilities:** Methanex can produce its bio-methanol fuel blend today to help meet the increasing demand for sustainable fuels and support the shipping industry to meet its decarbonization goals.

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Media Inquiries

Nina Ng
Manager, Global Communications
Methanex Corporation
604-661-2600