Technology of the Year Award

Recognising a hardware or software that helps set new standards in vessel optimisation, maritime decarbonisation and/or sustainability.

bound4blue

Suction sail (eSAIL) for merchant vessels. First real installation in July 2023 on Eems Traveller. Reduces engine power, fuel consumption, and emissions.
Autonomous operation with tilting mechanism. Suitable for retrofitting and newbuilds.

Orca AI

SeaPod, type-approved automated watchkeeper unit. Integrates computer vision and deep-learning for enhanced situational awareness.
Reduces human error, improves navigation safety, and contributes to fuel efficiency and emissions reduction.

Port of Amsterdam

The Port of Amsterdam is taking steps to reduce emissions from shipping.
It has implemented various measures to promote sustainable shipping practices, including the use of electric vehicles for last-mile logistics and the development of innovative solutions for clean energy production. The first vessel to sail on $NaBH_4$ as a H2 carrier, with an electric engine, batteries, and a fuel cell, is a significant development in this direction. This innovative system releases H2 from $NaBH_4$ using a catalyst, and the byproduct $NaBO_2$ is used in a circular process to create new $NaBH_4$. This technology has the potential to significantly reduce emissions from shipping and contribute to the Port of Amsterdam's goal of becoming a climate-neutral port.

PortXchange

EmissionInsider takes a comprehensive approach to emissions tracking and analysis, creating a new gold standard for the industry. Its ability to provide actionable insights, facilitate data-driven decision-making, and foster collaboration among stakeholders positions it as a transformative technology in the maritime sector's journey towards sustainability.

Spinergie

Smart Fleet Management platform adapts IMO's CII formulas for offshore supply vessels. Provides accurate data for emissions reporting and Scope III calculation. Enables fuel efficiency strategies and creates stable benchmarks for environmental performance tracking.