

MISSION STATEMENT FOR ZERO-EMISSION SHIPPING MISSION

The Mission

We need commercially viable zero-emission fuels for ocean-going vessels entering the global fleet by 2030, making this a decisive decade to set international shipping on an ambitious zero-emission trajectory.

Shipping is the backbone of international trade. Measured by emission per freighted ton/mile shipping is already a very climate efficient mode of transport compared to other modes of transport, yet it is responsible for 2-3% of global GHG emissions today. As the demand for international seaborne trade grows in line with global economic growth, emissions from international shipping may increase 50% by 2050¹ under business-as-usual scenarios.

Achieving the international climate goals set in the Paris Agreement and the International Maritime Organization's initial GHG strategy will involve the entire maritime value chain, from fuel production to ports to ships. It also requires international collaboration between states, companies, and non-state actors. While the focus of the mission is on the ocean-going fleet, productive synergies with coastal shipping and inland waterways will be sought out at all stages.

This statement elaborates the commitment of the Mission co-leads, foundationally the national governments but supported by industry and civil society, to drive innovation in the global maritime value chain towards a zero-emission tipping point by 2030 and allow for rapid decarbonization of the sector thereafter.

All participating co-lead governments commit to demonstrating global leadership through domestic action and/or international cooperation towards the introduction of commercially viable zero-emission fuels for ocean-going vessels by 2030 by working across the full value chain of stakeholders for fuels, port infrastructure, and vessels.

*This mission is part of MI's commitment to a **decade of clean energy innovation** to galvanise action behind **global goals** that will enable every country to have the confidence to set ambitious clean energy and climate targets.*

***Missions mobilise global action behind ambitious and inspirational innovation goals** that can lead to **tipping points** in the cost and scale of net zero energy solutions across all sectors.*

MI missions set global ambition, provide political momentum and act as an organising principle to make sure more innovation happens, more rapidly over the next decade.

¹ Fourth IMO Greenhouse Gas Study

Members

The Zero Emission Shipping Mission brings together a dynamic and delivery-focused high ambition alliance between countries, the private sector, research institutes and civil society to accelerate innovation in Zero-Emission Shipping.

Co-leads:

Denmark (Ministry of Industry, Business and Financial Affairs, Ministry of Climate, Energy and Utilities and Ministry of Foreign Affairs)

The United States (U.S. Department of Energy)

Norway (Ministry of Climate and Environment)

Global Maritime Forum (representing the Getting to Zero Coalition)

Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping

Core group:

Morocco (Ministry of Energy, Mines and Environment)

The United Kingdom (Department for Transport)

India (Ministry of Science and Technology)

Singapore (Maritime and Port Authority of Singapore)

Support group:

France (Ministry of the Sea)

Ghana (Ghana Maritime Authority)

South Korea (Ministry of Trade, Industry and Energy)

The Mission will continue to accept and integrate members into its activities. All participating governments will be considering to have endorsed this Mission Statement.

Mission Ambition

By 2030 the mission aims to:

- Introduce into the global fleet commercially viable vessels that operate on zero-emission fuels to the global fleet
- Scale up efficient production of zero-emission fuels; and
- Establish global port infrastructure to support vessels operating on zero-emission fuels,

thereby making vessels that operate on zero-emission fuels the natural choice for ship owners when they renew their fleet. With the long-term aim of a zero-emission fleet, action is required now. The Zero-Emission Shipping Mission's tipping point is that by 2030 ships capable of running on well-to-wake zero-emission fuels such as green hydrogen, green ammonia and green methanol, and advanced

biofuels make up at least 5% of the global deep sea fleet measured by fuel consumption² and that at least 200 ships primarily use these fuels across the main deep sea shipping routes. This will lay the foundation for increasing numbers in the following years towards a zero-emission shipping future.

Members in the Mission represent some of the leading countries in innovation for shipping decarbonization. Appendix A provides a preliminary list of the commitments strategies, policies, and investments that the participants have already made to this challenge. Appendix B provides the commitments of private sector actors in the Mission.

In order to preserve and enhance this leadership and achieve the Mission Ambition, participating governments commit to:

- Increase engagement with private sector to link up decarbonisation efforts across the value chain and promote/facilitate public-private partnerships;
- Increase international exchanges and sharing of best practices, including sharing domestic efforts on innovation for zero-emission shipping (e.g. policies, programmes, and public-private partnerships);
- Participate actively in the implementation of the Mission's annual work plan;
- Contribute ambitiously to meet the targets and tipping point of the Mission;
- Resource the mission management and/or activities.

In addition, participating governments are expected to support or participate in the following types of action:

- Development of joint innovation activities with other members such as shared research projects, and joint calls and programmes
- Joint demonstration projects for commercial-scale demonstrations of deep-sea vessels running on zero-emission fuels
- The development of 'green corridors' that provide policy and infrastructure mechanisms that enable first movers in zero-emission shipping

Members of the mission will advance this work by adhering to the following principles:

- **Cooperation:** *some form of commitment around engaging and working with other countries, the private sector and other initiatives nationally and internationally.*
- **Transparency:** *a principle around transparency and knowledge sharing*
- **Participation:** *a commitment around active participation in the mission*
- **Joint roadmap:** *work together to develop and publish a roadmap by [COP26 / MI-7] that defines the national and international effort needed over the next decade to achieve the goal.*

² This includes ships that are running fully or partially on zero emission fuels as well as ships that are able to run on zero emission fuels with limited or no modifications.

- **Accelerate action:** we will have a laser focus on the key barriers and challenges that need to be targeted to speed up innovation towards the stretch goal and stimulate more action either individually or in collaboration.
- **Review, reflect, improve:** we will remain agile, reviewing progress and modifying actions to remain at the frontiers of innovation and ambition.

The Ministers will meet annually at the [MI Ministerial](#) to review and agree upon actions. The Mission will report bi-annually to the whole MI community on progress of the mission.

The Mission Statement builds on the [Mission Innovation 2.0 Launch Statement](#) and does not constitute a legally binding commitment. This Mission Pact will commence on 2 June 2021 and will continue in effect for 5 years. After this period, the Pact may be extended for a further five years to support delivery of the mission goal by 2030, subject to review of mission delivery and achievements.