



DECARBONIZING SHIPPING

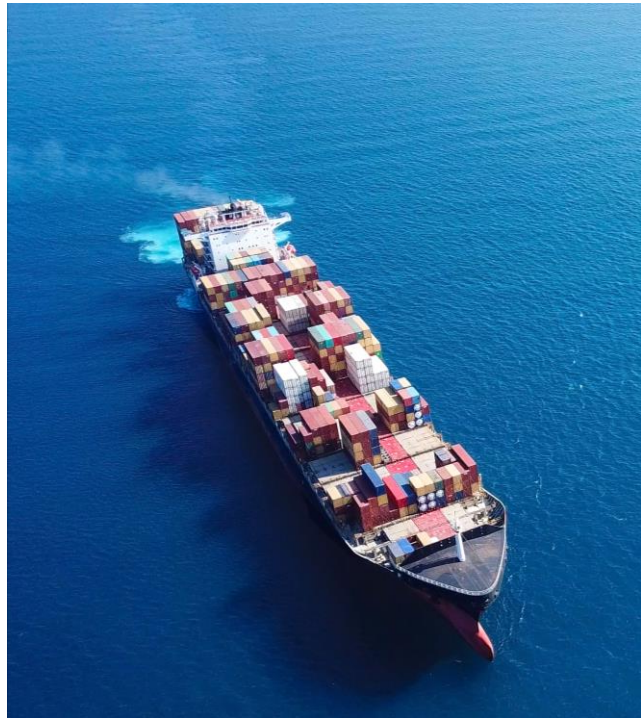
Getting to Zero Coalition

ACCELERATING THE DEVELOPMENT AND DEPLOYMENT OF ZERO EMISSION VESSELS BY 2030

This document presents an overview of the Getting to Zero Coalition, a partnership between the Global Maritime Forum, the Friends of Ocean Action, and the World Economic Forum.

The challenge

In order to shift to a zero-carbon maritime sector, a deeper understanding of zero-emission fuels and ambitious policy measures is required by the industry, and to turn this into demonstrations and commercially viable vessels, we need engagement across the complete Maritime value chain – ports, energy suppliers, shipbuilders, technology suppliers, shipowners, charterers, and financiers.



The opportunity

Whether the maritime industry is to achieve 50% - or a more ambitious 100% - decarbonization by 2050, the first steps are the same: there is a need to push innovation and research from the drawing board into the water to enable demonstration projects operating at scale as soon as possible. The Getting to Zero Coalition supports the view that making deep-sea zero emissions vessels (ZEVs) a commercially viable and scalable reality by 2030 is an important step on the way to the International Maritime Organization's ambitions and full decarbonization. Scalable ZEV demonstrations by 2030 will pave the way for an efficient rollout of decarbonization solutions to enable a rapid shift towards zero carbon energy sources for shipping through the 2030s and 2040s. Shipping's need for zero emission fuels can also support the wider energy transition and provide an impetus for decarbonization efforts across the maritime value chain including in ports.

A Transition Strategy for Zero Emissions Vessels by 2030

Making ZEVs commercially viable and scalable by 2030, will require a systems view and the active involvement of all the different parts of the future value chain. Coordination between the Global Maritime Forum champions, the mobility and oil & gas communities of the World Economic Forum, and the Friends of Ocean Action will bring stakeholders across the maritime spectrum, the energy sector, other related industries as well as academics, think tanks and policy makers together to create a shared Industry Roadmap, identifying the technologies, investments and actions needed to get commercially viable ZEVs operating on the water by 2030.



The Coalition's four workstreams:

Fuels, Technologies, & Transition Pathways

Narrowing fuel and technology options, as well as mapping out required infrastructure, safety guidelines, and required regulations for scaling up new fuels

Motivating First Movers

Catalysing concrete action in order to de-risk the first steps of the transition to ZEVs. Includes three workshops: Financing, Demand Drivers, and Policy

Closing the Competitiveness Gap

Exploration of policy instruments and market-based measures to close the gap between conventional and zero emission fuels for mass uptake

Global Opportunities for Zero Emissions Fuels

Mapping of countries with the potential to generate and export zero-emission fuels and the resulting geopolitical implications, with deep dives on high-potential countries

Outputs

By January 2021, the Getting to Zero Coalition will seek to deliver:

- **A committed community.**

The Getting to Zero Coalition will be a community of ambitious stakeholders from across the maritime spectrum, the energy sector and other stakeholder groups, who are committed to the decarbonization of shipping, and to working together in a collaborative manner - as opposed to a transactional manner - to deliver commercially viable ZEVs by 2030.

- **Demonstrations and pilots.**

There is a need for more demonstrations, pilot projects, and testing. By bringing stakeholders together and sparking conversations with innovators, the Coalition will seek to catalyse demonstrations across industries, along value chains, including knowledge sharing and associated case studies, and pre-competitive lessons from the wide range of existing pilots to inform what is possible – and what is not.

- **Visible transformational leadership.**

Leaders of the participating companies and organizations will use the Coalition as a platform to advocate and actively influence their peers and policymakers to support ambitious decarbonization of the shipping industry and its supply chain. Specific events aligned with various international processes will be used as launch points. The public leadership will continue to gain momentum through other high-profile events as noted above.

- **Shared knowledge base.**

Finally, the Coalition will deliver targeted synthesis reports required to advance the work of the Coalition and the decarbonization of shipping in general. These will help drive sector-wide alignment on availability of zero emission fuels and technologies as well as health and safety standards and regulations that will be needed for their successful implementation. This will include synthesis of existing research for specific audiences and events – business executives, financiers, insurers, as well as regulators and governments – building on the many excellent reports that have been published by the partners and many others over the past 6-12 months. Additionally, there is a need for new analyses that map demand for new fuels over time so that fuel suppliers can respond, and analysis that aggregates this demand across multiple industries (e.g. hard-to-abate sectors) that will undergo similar changes in energy supply.