



Healthcare and Maritime Shipping Decarbonization



Achieving a 1.5 Paris Agreement-aligned decarbonization in the maritime sector requires collaboration from across the maritime value chain, including cargo owners like NHS England and its suppliers.

For more information visit www.cozev.org and contact us at cozev@aspeninstitute.org.

NHS England recognizes that climate change poses a major threat to both human and planetary health and wellbeing.

In particular, there is an inextricable link between ocean health and human health; poor oceanic health can lead to wide ranging health impacts from ingestion of microplastics and persistent organic pollutants, increasing antimicrobial resistance, and interruptions to supply chains and medical services. Seeking to address the threat of climate change, as part of the Greener NHS programme, NHS England has set net-zero goals for its Scope 1, 2, and 3 emissions.

The Scope 3 net-zero goal is essential since NHS England's global supply chain emissions represent 62% of their overall greenhouse gas (GHG) footprint. Addressing emissions from the maritime shipping sector is crucial to the achievement of NHS England's Scope 3 net zero goal as 80% of its procured goods travel to England via container ship. Currently, however, emissions from the maritime sector are projected to continue rising under business as usual, putting NHS England's and society's climate goals at risk. The world cannot achieve 1.5 degree Paris Alignment without addressing emissions from the maritime shipping sector.

Achieving a 1.5 Paris Agreement-aligned decarbonization in the maritime sector requires collaboration from across the maritime value chain, including cargo owners like NHS England and its suppliers. Such collaboration is particularly essential since a clear regulatory framework to drive the required transition in this sector is still missing. Cargo owners that rely on maritime shipping have a clear stake in the transition to zero emission shipping: their businesses depend on reliable and affordable maritime transport. Cargo owners also have a crucial role to play in driving ambition and catalyzing adoption and scaling of zero emission solutions as many are striving to meet society's corporate responsibility expectations and achieve their own ambitious corporate climate goals.



To facilitate cargo owner engagement in shipping decarbonization discussions and action, climate-leading cargo owner companies and the Aspen Institute Shipping Decarbonization Initiative created **Cargo Owners for Zero Emission Vessels (coZEV)**, a first-of-its-kind network for climate-leading cargo owners to come together to use their brand power and economies of scale to decarbonize their own maritime transportation value chains and accelerate decarbonization of the sector overall. Through coZEV, cargo owners can actively engage in the sector's transition to zero emission fuels and technologies, influencing a transition that can either be smooth and affordable or costly and disruptive.

In addition to the benefit of decarbonizing Scope 3 emissions from the healthcare sector, leadership of healthcare companies and NHS England on the topic of maritime decarbonization helps reinforce the crucial role that this sector plays in transporting essential goods around the world; a healthy society needs predictable, available, scalable, and affordable zero emission solutions for the maritime sector.

As NHS England works with its suppliers to decarbonize its supply chain, there are several coZEV action areas available to cargo owners that will reduce their own emissions while driving action in the maritime sector overall:



Send a needed demand signal for zero emission shipping services to the transportation industry by becoming a signatory to the **coZEV 2040 Ambition Statement**, where climate-leading cargo owners have announced their ambition to only use zero emission ocean shipping services by 2040 and call on policymakers to support the transition.



Accelerate commercial deployment of zero emission shipping, enable economies of scale, demonstrate leadership, and maximize cargo owners' collaborative emissions reduction potential beyond what any one freight buyer could accomplish alone by joining the **Zero Emission Maritime Buyers Alliance (ZEMBA)**, a first-of-its-kind buyers alliance, initiated by the Aspen Institute and climate-leading cargo owners.



Stay briefed and provide input to build the business case for green shipping corridors via participation in a new **Green Corridor Advisory Board** aimed at jumpstarting the maritime sector's zero emission energy transition.



Educate policymakers about the importance to cargo owners of establishing a clear, ambitious, and 1.5 Paris-aligned policy framework to ensure that the transition to zero emission shipping is predictable, equitable, and economically feasible by making your voices heard and participating in a policy working group focused on the International Maritime Organization, United States, and European Union.