



ShipZERO26.5 was the second event in the ShipZERO series - the only shipping industry events to align with the IPCC's "very low emissions scenario" of limiting global warming to less than 1.5°C. In order to achieve this, the use of fossil fuels or any GHG emitting fuels or technology was not contemplated - in other words only True Zero Emissions (ZE) technology.

The one-day conference and workshop took place in-person on the 20th of June 2022, in conjunction with ZESTAs' Annual General Meeting at the majestic Muziekgebouw aan 't IJ building located in the heart of the Port of Amsterdam.

ShipZERO26.5 took place at the Muziekgebouw aan 't IJ, located in the heart of the Port of Amsterdam.

Presentations were given by senior experts from ZE technology providers **DRIFT Energy**, **BLUE Technology**, **Boundary Layer Technologies**, **NAVTEK**, **TOOL** and **H2 Circular Fuel BV**, as well as Norwegian industry cluster **NCE Maritime CleanTech**.

This was followed by a Panel Discussion consisting of representatives from the **International Maritime Organisation (IMO)** Representative for the **Solomon Islands** (policy), **Bureau Veritas** (classification), **Ince Group** (maritime law), **Prow Capital, Technology & Climate** and **Bovimex B.V.** (finance) and **Friday & Co Shipbrokers B.V.** (shipbroking).

Finally, a Roundtable Discussion opened the floor to the entire audience to discuss and construct clear action points going forward.

The industry created a plan to pull together resources and stakeholders to transition port infrastructure, whole shipping lanes, ship design from concept to build, as well as the full spectrum of contractual relationships.



ShipZERO action points

- **Pooling:** Merging resources, technologies and funding into multi-vessel projects, lowering investment for all by spreading the risk and sharing the cost of insurance, certification, and validation, as well as bringing down material costs through economies of scale.
- **Collaboration between competitors:** Mutually-beneficial collaboration becomes attractive in pooled projects of 10+ ships, even between direct competitors.
- **True Zero Channels in Green Corridors** provide the scale and specific scope to create pools of ZE vessels which will attract cargo owners.
- **Modular design** future-proofs investments by better enabling retrofit. Retrofit-ready design is crucial to new designs.
- **Industry-led contract & agreement:** Legal contracts such as Poseidon Principles and Sea Cargo Charter allow us to overtake policy. These can be strengthened and new agreements created.

Videos of the [Presentations](#), the [Panel Discussion](#) and the [Roundtable Discussion](#) are all openly accessible online, on zestas.org, as well as **photos and the event agenda**.

ZE Nav Chart

The first ZESTAs event - [ShipZERO26](#) at COP26 in Glasgow, UK - demonstrated to the shipping industry that ZE technology is market-ready. It brought together a broad cross-section of significant players across the maritime industry to brainstorm solutions to achieving true zero. The [ShipZERO26 Outcomes Report](#)¹ and a [Policy Brief](#)² were published, and the latter was circulated among over 1,000 ministers before Transport Day of COP26.

ShipZERO26.5 moved the conversation forward, pinpointing specific solutions while incorporating diverse perspectives across the industry.

The two workshops laid the groundwork for the Zero Emissions Navigational Chart, or ZE Nav Chart.

ZE Nav Chart will be an overarching and holistic blueprint for the integration of solutions across the industry to cut deep 'True Zero' channels through the Green Corridors, based on the ShipZERO Action Points listed above. By pooling resources, ships, technologies, and funding, it is possible to de-risk competitor collaboration to accelerate the industry's transition.

This integration cannot be achieved without collaboration across the industry. Therefore the most engaged partners have received a short questionnaire in order to match solutions to problems and build an expert team of contributors in building ZE Nav Chart.

¹ Outcome Report



² Policy Brief



Attendance

ShipZERO26.5 brought together shipowners, technology providers, insurers, shipbrokers, investors, classification societies, regulators, shipbuilders and others.

A breakdown of the attendees by sector is given in Figure 1.

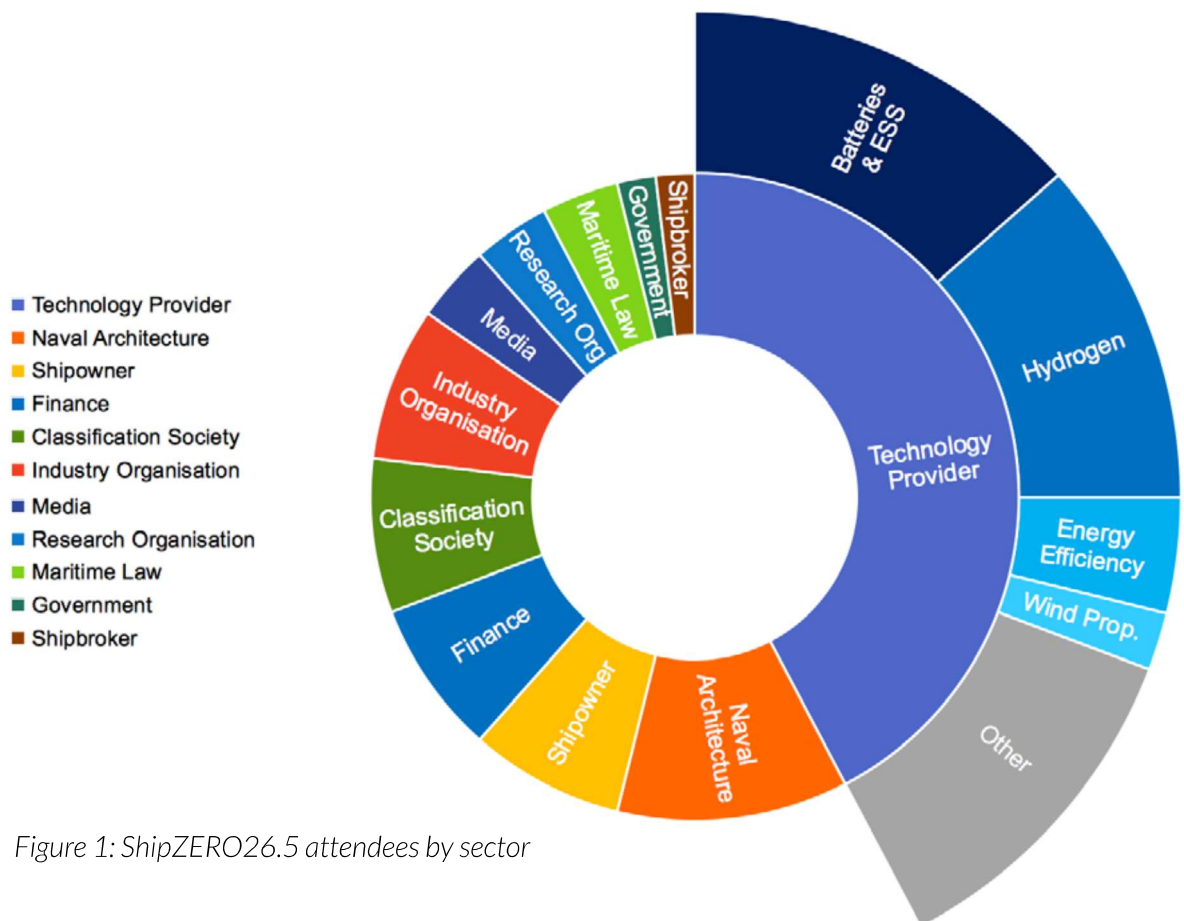


Figure 1: ShipZERO26.5 attendees by sector

As well as the distinguished speakers, ShipZERO26.5 delegates, respected zero emissions technology providers from around the world such as **Chart Industries**, **Shift Clean Energy**, **PowerCell Sweden** and **Nedstack Fuel Cell Technology** were in attendance, as well as others such as **Wärtsilä** and **Houlder**.

International industry clusters such as the **Maritime Battery Forum**, Norway's **NCE Maritime CleanTech** and **Smart Freight Centre** were engaged to bring their valuable collaborative power and overarching networks to the discussion.

Shipowners including **Anglo-Eastern N.V.**, **Future Proof Shipping** and **Universal Marine B.V.** and shipbuilders **Damen Shipyards Group** gave their perspectives of the unique challenges and solutions faced by the industry in adopting ZE technology.

Leaders, decision-makers and industry influencers were the clear majority at ShipZERO26.5, with over half of attendees holding Executive positions and over a quarter holding Senior positions, as shown in Figure 2.

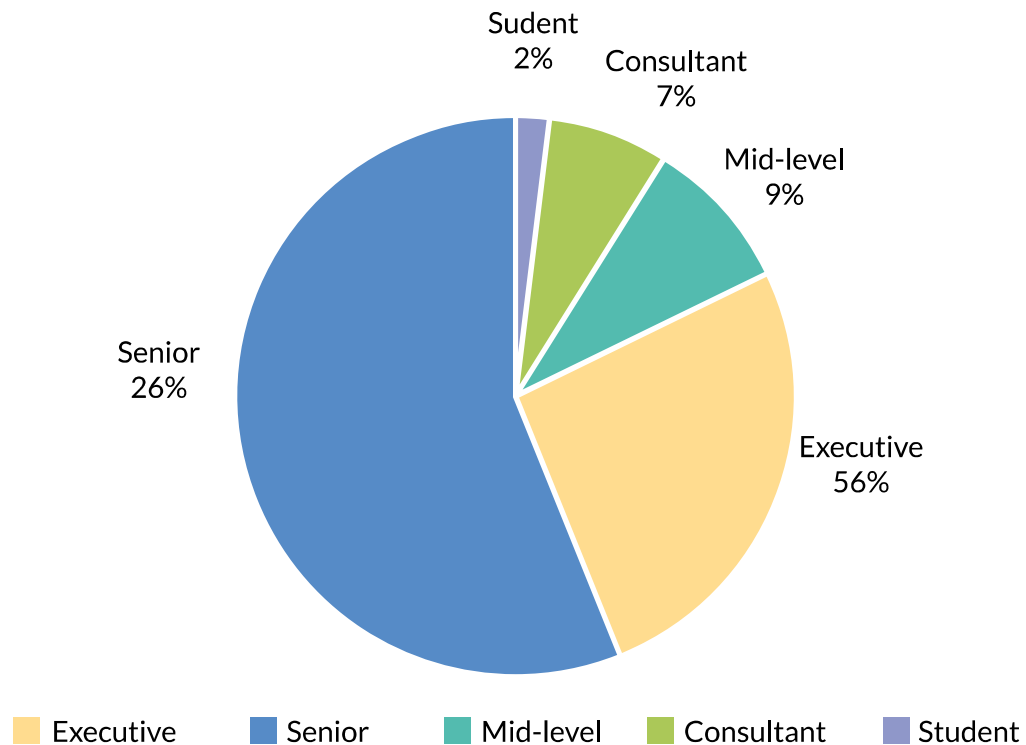


Figure 1: ShipZERO26.5 attendees by sector

ShipZERO26.5 was open to attendees from across the sector, attracting new audiences, fresh voices and outside opinions. The majority of attendees were not ZESTAs members and had not attended ShipZERO26.

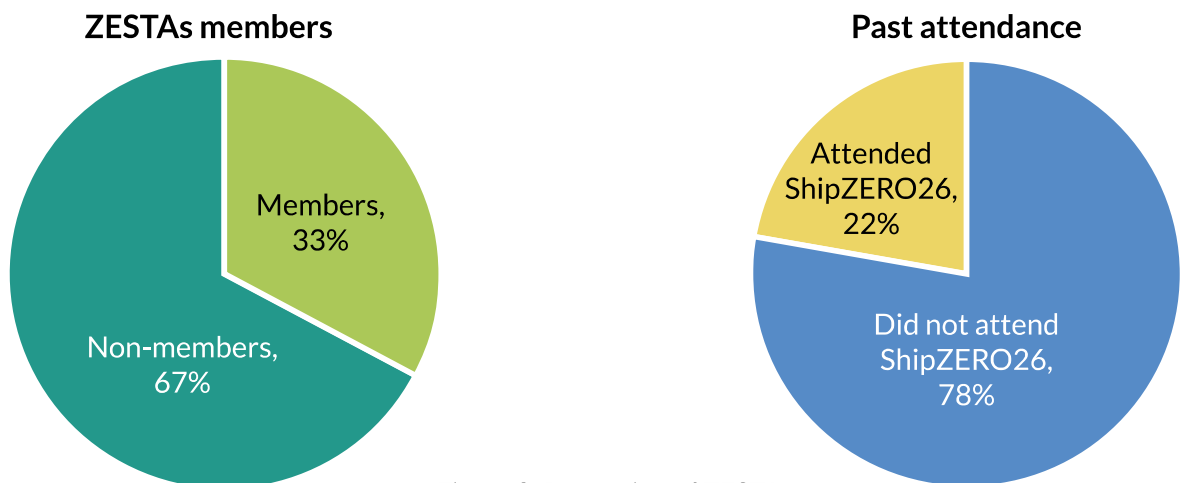


Figure 3: Proportion of ZESTAs members and ShipZERO26 delegates in attendance.

Finally, diverse voices from across the globe were present, with attendees joining from 11 countries (see Figure 4).

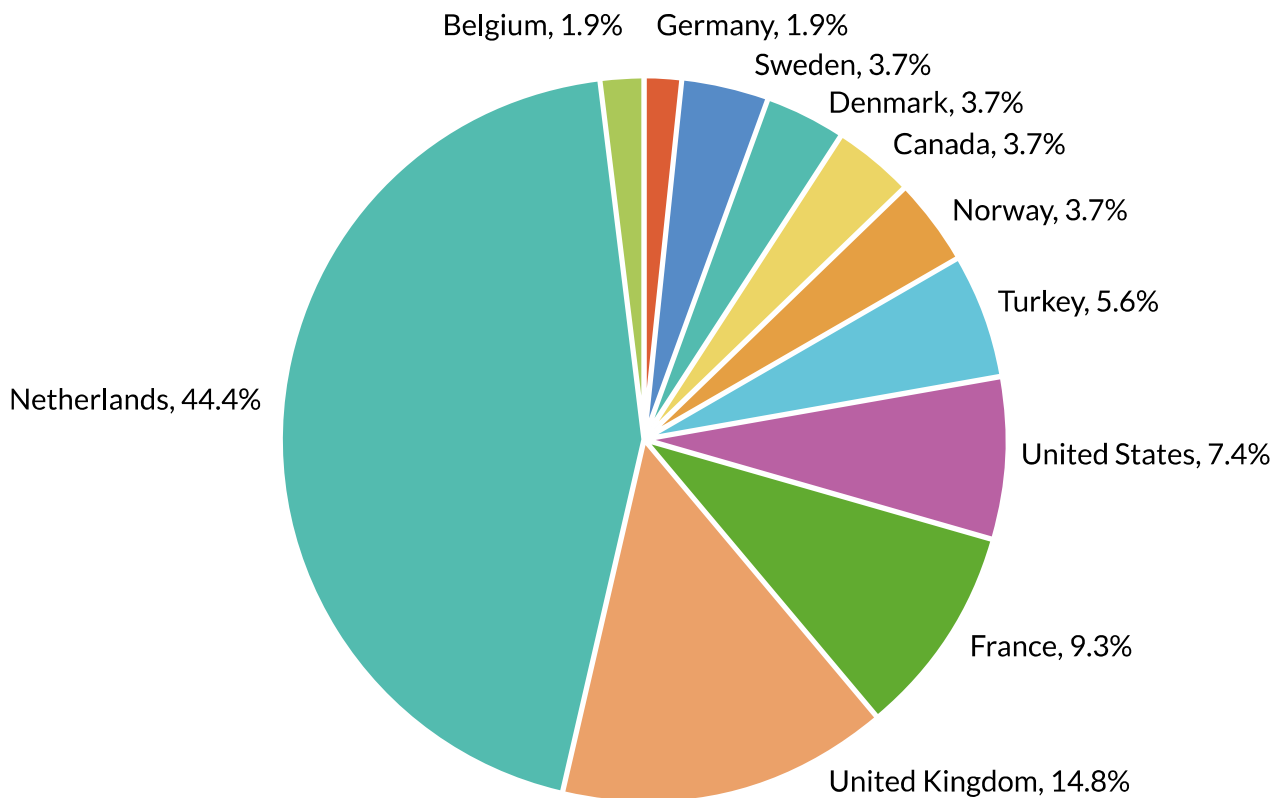


Figure 4: Breakdown of attendance by country.

Association Growth

The impact of ZESTAs' ShipZERO events for the association can be illustrated by the increase in membership and increase in LinkedIn followers since the first event at COP26 in November 2021.

Since November 2021, ZESTAs has welcomed 9 Full Members, 2 Associate Members and 2 Knowledge Partners, bringing our total membership up to 42.

New full members:



Boundary Layer Technologies



UNITROVE



Power &
Automation



WATTLAB



DRIFT
Oceans of Energy



SUSTAINABLE SHIPS



New Associate Members:



New Knowledge Partners:



In addition, LinkedIn followers have doubled between November 2021 and July 2022 (see Figure 5). This increases ZESTAs' ability to disseminate information into the wider shipping industry and attract more pioneers to collaborate in ZE ship technology.

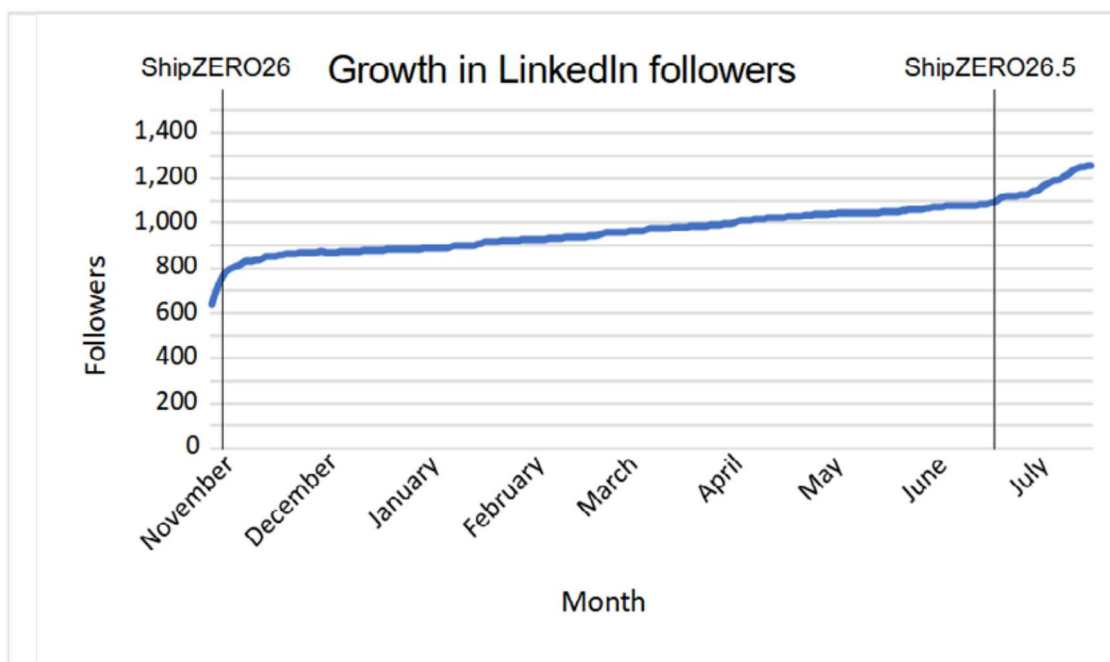


Figure 5: LinkedIn follower increase since November 2021.

SHIPZERO26.5 OUTCOMES REPORT

Sponsors

ShipZERO26.5 would have not been possible without the generous contribution from sponsors who catalysed the unprecedented work that was achieved in bringing shipping closer to zero emissions.

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ZESTAs.

Zero Emissions Ship Technology Association