

Accelleron: Shipping must pool carbon-neutral fuel demand with other industries to hit net zero goal

London, September 16 – Accelleron will unveil its maritime decarbonization report at London International Shipping Week (LISW25) today with a call on the shipping industry to join the global hydrogen economy by working with other sectors to pool demand for carbon-neutral fuels.

In its first report on maritime decarbonization, Accelleron's *Deadlock: What's Stopping Shipping's Carbon-Neutral Fuel Transition?* argues that "viral" efficiency measures such as vessel retrofits and digital solutions across the largest ships in the global fleet should be enough to reach the IMO's carbon reduction targets for 2030.

But for deeper decarbonization leading to net zero, shipping will need to switch to green hydrogen-based fuels, which today are scarce and prohibitively expensive. Their production is virtually non-existent, even though the technology to power ships with carbon neutral fuels exists, and moreover, has been backed by major shipowners who have ordered hundreds of new vessels.

Why has the shipping industry reached this impasse? And how to resolve it? Accelleron's report, using comparative data modelling and extensive insights from dozens of senior executives across the industry, finds that shipping alone cannot solve this problem.

To kickstart ample production of affordable carbon neutral fuels, shipping needs to aggregate demand with other hard-to-abate sectors such as the steel, fertilizer and power-generation industries. Rather than competing for carbon neutral fuels, as many narratives assume, these industries could join forces to transform competition into critical mass of demand, lowering the risk for mega hydrogen projects and allowing them to attract sufficient financing.

This means the fate of shipping is tied to the broader, cross-sector energy transition. It means shipping should view maritime decarbonization through the lens of the fledgling global hydrogen economy.

"It is clear from our research and analysis, and from the contributions of the many stakeholders who were good enough to share their expertise and insights for this report, that reaching net zero is not only about fuels or systems, but about forging a new paradigm of partnership," Daniel Bischofberger, Chief Executive Officer at Accelleron, writes in his foreword for the report.

"Fortunately, partnership has always been one of shipping's great virtues. For thousands of years, shipping has connected cultures, carried science and progress across oceans, and overcome impossible odds through pragmatism, determination, and solidarity. As an industry, we have already proven, in a relatively short time, that we can prepare our global

fleet for a decarbonized world. Now, it is time to partner with other sectors to secure the fuels we all need to carry us, finally, to that net zero shore.”

The report finds:

- Technical and operational efficiency measures could cut emissions by over 30% by 2030, exceeding the IMO target.
- By 2050, shipping alone will need 100–150 million tons of green hydrogen each year
- Shipping, aviation, steel, cement, power, and agriculture account for about 70% of global emissions and would need a total of around 500 million tons of green hydrogen and \$9 trillion in cumulative investment to produce it.
- Only about 38 million tons of green hydrogen production are currently in the pipeline, supported by less than \$320 billion in committed investment.

Accelleron hopes that its contribution to the decarbonization debate in the form of this report will help galvanize action. As the backbone of global energy and trade, shipping can become a driver of the global energy transition, rather than a passenger.

Accelleron will present its report at London International Shipping Week on Sept 16th followed by a lively stakeholder dialogue with shipping and energy leaders.

Notes to Editors

Accelleron Industries Ltd (ACLN: SIX Swiss Ex) is accelerating sustainability in the marine and energy industries as a global technology leader in turbocharging, fuel injection, and digital solutions for heavy-duty applications. Building on a heritage of over 100 years as a trusted industry partner, the company serves customers in more than 100 locations in over 50 countries. Accelleron's 3,000 employees are continuously innovating to deliver best-in-class products, services, and solutions that are mission-critical for the energy transition.

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