



Decarbonisation by ~~revolution~~ systems engineering

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If 2025 was supposed to be the year shipping accelerated decisively towards a clean-fuel future, it never truly left the starting blocks. Instead, the industry closed the year in familiar territory: ambitious targets, nuclear routes, uneven enforcement, and a (regional vs global) mismatch between the regulatory agenda and fuel supply chains, port infrastructure, and commercial reality.

But 2026 will not simply be another year of delay. It will redefine the direction of shipping's decarbonisation path, not through a breakthrough fuel, but through a structural shift in how compliance, investment, and operational decisions are made. Rather than a technology-led transition, this year will mark the start of a systems-led transition: one driven by regulation, digital infrastructure, commercial pressure, and compliance economics.

A sip of realpolitik tea

The International Maritime Organization's (IMO) net-zero ambition will remain intact in principle, but the timeline will continue to slip beyond the 'one-year-delay' narrative currently circulating. This is not primarily a failure of climate ambition – it's 'just' the reality of the structure of global governance.

The IMO is not a fiscal regulator like the EU. It can set direction, but it cannot impose uniform enforcement across states with vastly different economic pressures, governance capacity, and political priorities. Integrating every flag state into one binding system requires consensus across economies that are not aligned on risk, cost, or urgency. Consequently, further IMO meetings are unlikely to deliver a single global fuel rulebook. Rather, they will produce politically workable compromises, incremental adjustments, and broad direction-setting – but sadly not operational clarity.

For operators, this creates a dangerous illusion of progress. Targets exist, strategies are published, but the mechanisms that

would make global decarbonisation predictable and investable remain fragmented. The current year will therefore be heavy on regulatory signals, but light on certainty. In the Baltic, this disconnect is felt even more sharply. Regional operators are fully exposed to EU regulation, while global frameworks remain unresolved, creating a compliance environment where Europe moves fast, and the global system moves slowly.

Where theory ends and operations begin

Unlike global policy frameworks, FuelEU Maritime (FEUM) and the EU Emission Trading System (EU ETS) are not theoretical. They are operational realities, and in the Baltic and North Sea trades, they are unavoidable.

FEUM has already changed behaviour. Emissions reporting has shifted from compliance planning to daily operational decision-making. Biofuels are being trialled (with demand for bioLNG as a marine bunker blasting off with gusto), pooling structures are forming, and slow steaming has re-established itself as the default low-CAPEX decarbonisation lever. The Baltic Sea Region's (BSR) ferry sector even saw one company takeover as a means of securing a FEUM 'compliance generator.'

But 2026 will push this further. Compliance will no longer be something managed annually; it will be handled voyage by voyage. As a result, this will accelerate the shift towards digital optimisation. Predictive emissions tracking, powered by digital twins of vessels and voyages, will

become essential for managing FEUM exposure. Secure, audit-ready monitoring-reporting-verification (MRV) data will no longer be a reporting obligation but a core operational requirement. Therefore, compliance becomes a control system, not a report.

Emissions as market currency

Decarbonisation pressure in 2026 will not be driven primarily by regulation but by contracts. Who pays for FEUM and EU ETS exposure will become a central commercial battleground between owners and charterers, testing long-standing charterparty structures and risk allocation models.

As this tension grows, vessel selection will change. Charterers will increasingly evaluate ships not only on freight rates but also on emissions performance, data transparency, the predictability of regulatory exposure, and the credibility of reported emissions data.

In the Baltic trades, where short-sea density, frequent port calls, and regulatory exposure are high, this shift will happen faster than in deep-sea markets. This creates a structurally different market: vessels with verified, transparent, compliance-ready emissions profiles gain commercial advantage; those without them become higher-risk assets.

Politically contested but commercially relevant

Whilst this won't be a surprise, it is worth noting that 2026 will not deliver a clean global fuel consensus. Governments face rising fiscal pressure, defence spending growth, and, altogether, budget constraints. Carbon pricing

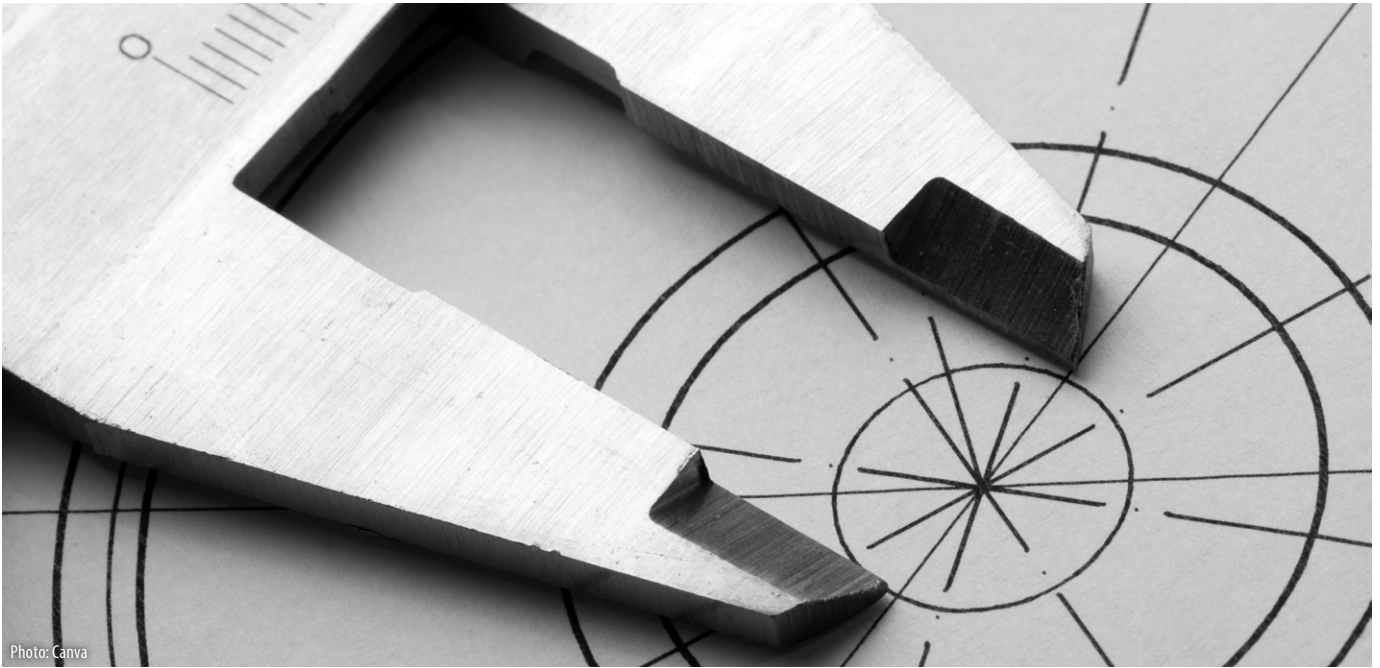


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offers politically acceptable revenue, which reshapes decarbonisation policy around fiscal logic as much as climate logic.

This will intensify disputes over fuel eligibility, credits, and classification. Liquefied natural gas (LNG), its bio version, and transitional fuels will remain politically contested but commercially relevant. At the same time, scope-3 reporting will speed up uneven decarbonisation pressures. In the BSR, forest products, steel, energy, agricultural bulk, and consumer goods supply chains are already under customer and investor scrutiny. These cargo owners need reductions now – not 2035+ narratives.

This does, in turn, drive demand for certified biofuels, pooling mechanisms, operational savings, and demonstrable emissions performance rather than theoretical future pathways. On a gloomier note, this may very well end in the closure of certain shipping services, particularly those already struggling to bring home the bacon (and operated by tonnage that remembers the Soviet Union) – as was also witnessed by the (Danish-Swedish part of the) Baltic ferry market quite recently.

Risk economics over abstract aspirations

So, all things considered, how does 2026 redefine shipping's decarbonisation path? Not through fuel transformation, that's for certain, but through behavioural change. The industry is moving away from bold fuel bets and long-term visions, towards smarter compliance strategies. Companies are moving in the direction of tighter

short-term control and predictive management instead of backwards-looking reporting, combined with a more practical focus on risk economics over abstract aspirations.

For Baltic shipping companies, the practical strategy becomes one of optionality where operators should consider measures such as pooling to manage regulatory exposure; selective biofuel use where supply is reliable; LNG and bio-LNG where rules and infrastructure allow; relentless operational efficiency; and digital compliance systems that enable predictive decision-making. This is not decarbonisation by revolution; it's decarbonisation by systems engineering.

Transition engine

In this environment, emissions management must move beyond spreadsheets and after-the-fact reporting, especially in high-regulation regions like the Baltic; operators need to shift from reactive compliance to proactive control.

By combining real-time vessel data, predictive modelling, and secure MRV infrastructure, EmissionLink allows owners, managers, and charterers to model regulatory exposure before operational decisions are made. This enables predictive FEUM and EU ETS exposure modelling, as well as gives access to audit-ready, regulator-grade MRV data, smarter pooling strategies,

emissions-aware routing and speed optimisation, and commercial transparency in chartering and contracting. In practical terms, emissions become a managed operational variable, not an unpredictable cost.

Europe is already collecting significant revenue through the EU ETS and FEUM. For the Baltic region, the credibility of decarbonisation policy will depend on whether this capital flows back into fuel supply chains, port infrastructure, retrofit programmes, or alternative fuel availability. If it does, the system becomes a transition engine. If it does not, it becomes a cost layer without a viable pathway.

Stop waiting for perfection

This year will not be the year of ammonia. It won't be the year of methanol. Alas, it will not be the year of the global fuel accord.

But 2026 will be the year shipping's decarbonisation path is redefined. Not by fuel choice but by systems, data, contracts, and compliance economics. The future will belong to operators who stop waiting for the perfect fuel and start building resilient, flexible, compliance-safe operating models.

This year, and for the foreseeable future, decarbonisation will no longer depend on what fuel you plan to use; it will be about how well you control risk, data, exposure, and decision-making. □



EmissionLink is a digital emissions intelligence and compliance platform built specifically for the operational realities of maritime shipping. Designed to support shipowners, managers, and charterers in a fragmented regulatory landscape, EmissionLink transforms emissions compliance from a reporting burden into a controllable business function. Sail to emissionlink.com to learn more.