

## Press release

Copenhagen, 25/02/2026

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# Everllence and Vale Sign Ethanol Cooperation Agreement

## Brazilian giant eyes dual-fuel ethanol engines as key to fleet expansion

Everllence and Vale – one of the world’s leading producers of iron ore, copper and nickel, and one of the largest logistics operators in Brazil – have signed a cooperation agreement regarding the development of ethanol as a marine fuel.

Under the terms of the agreement, the companies will develop an advanced ethanol-powered engine – based on the well-proven Everllence B&W ME-LGI (-Liquid Gas Injection) platform – designed to provide a sustainable and viable alternative to conventional fossil-fuel engines. The initiative aims to deliver a solution that combines environmental responsibility with market competitiveness by utilising ethanol’s unique properties.

These include life-cycle neutrality, reducing carbon emissions compared to fossil fuels. Nor does ethanol contain any sulphur and has very low toxicity, while being biodegradable and water-soluble. Finally, it is liquid at ambient temperatures and pressures, enabling usage of standardised handling procedures during bunkering and on-board handling, simplifying these time-consuming operations.

It is furthermore aligned with Vale’s multifuel, future-ready strategy to increase the flexibility of its affreighted fleet and foster solutions for the reduction of greenhouse-gas emissions.

The companies state that the agreement builds on their longstanding, strategic relationship and shared ambition to drive sustainable solutions in shipping.

Christian Ludwig – Vice President, Head of Global Sales & Promotion, Two-Stroke Business, Everllence – said: “It’s a pleasure to reach this agreement with Vale, a company that is widely recognised as a strong global advocate for ethanol as an energy-transition fuel. This is particularly the case in Brazil and China, two markets where we expect this collaboration to resonate strongly. For our part, we see Vale as a key strategic partner – not just on the ethanol front, but in general – and are very happy to support its ambitious fleet strategy. This agreement represents a milestone for the decarbonisation journey of large-scale shipping, leveraging ethanol as a commercially scalable, globally significant pathway.”

Everllence previously showcased its market-leading position within the ethanol segment with two announcements in, respectively, September and December of 2025. The first was the successful running on ethanol – at all load points – of a 90-bore, two-stroke ME-LGIM (-Liquid Gas Injection Methanol) engine in Japan; the second being the successful running on ethanol – at all load points – of a four-stroke 21/31 dual-fuel GenSet at company test facilities in Denmark.

Ole Pyndt Hansen – Senior Vice President, Head of Two-Stroke R&D, Everllence – said: “With multiple dual-fuel technologies already in service and an ammonia-powered engine close to commercial maturity, Everllence’s position as the world’s leading engine developer within the two-stroke marine segment is secure. As our attention turns to ethanol, our R&D team has just returned from a two-week engine testing campaign in Japan, bringing data that further reinforces our confidence in ethanol-based solutions. Earlier tests showed strong potential and, with this new data, we are now expanding technical pathways to incorporate G70 and/or G80 engine platforms.. Both our companies view this cooperation as a strategic step to support Vale’s newbuilding expansion with scalable, future-proof engine technologies.”



*The ME-LGIE engine*

# Everllence

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Everllence (formerly MAN Energy Solutions) is a leading provider of propulsion, decarbonization and efficiency solutions for shipping, the energy economy and industry. True to our motto - 'Moving big things to zero' - we help key industries in the global economy to reduce hard-to-abate emissions. Our technologies have a measurable impact on the success of the global energy transition. Headquartered in Germany, Everllence employs some 15,000 people at over 140 sites globally. Our after-sales brand, Everllence PrimeServ, also supports our customers through its worldwide service-center network.