

Press release

Copenhagen, 02/09/2026

Everllence
Tegtholmsgade 41,
2450 København SV,
Denmark

www.everllence.com

Group Communications
Nils Søholt
P +45 3066 6717
nils.soeholt@everllence.com

Everllence Introduces ESAL to Increase Vessel Efficiency by up to 6%

Engine Supported Air Lubrication technology integrates hull air-lubrication with main engine to improve overall vessel propulsion efficiency gains

Everllence has announced a new technology called Engine Supported Air Lubrication (ESAL). To coincide with the announcement, the company has released an industry white paper entitled, *"A leap in vessel energy efficiency advancement with engine-supported air lubrication"*. It explains why greater energy efficiency is a practical first step in shipping's transition to net zero.

With this transition still evolving, Everllence argues that energy efficiency advancements offer the most reliable route to reducing emissions and costs. It positions ESAL as a practical solution that cuts fuel consumption, lowers regulatory exposure, and improves vessel efficiency by integrating hull air-lubrication with air from the main engine. This delivers value today, regardless of future fuel or regulatory outcomes.

Bjarne Foldager – Head of Two-Stroke Business, Everllence – said: "The maritime energy transition must begin with reducing energy demand. Solutions that improve efficiency today will retain their value under any credible future framework. Efficiency improvements are therefore not an alternative to the transition of fuel but a prerequisite for making it feasible."

Pending final IMO rules, Everllence believes that ESAL already offers a clear business case. By reducing the fuel consumption of the vessel, it lowers emissions, compliance costs and exposure to fuel-price and regulatory volatility. As such, the fuel savings obtained from ESAL can deliver meaningful long-term economic and environmental benefits across a vessel's operating life.

Per Cato – SVP, Head of Engineering Two-Stroke, Everllence – said: "Less fuel consumed leads directly to lower absolute emissions, lower compliance costs, and lower exposure to volatility in both fuel prices and regulatory costs. ESAL is therefore not only a technology but a strategic response to uncertainty in the regulatory landscape. We are confident in both the technology and the efficiency improvements delivered by ESAL, having successfully conducted multiple onboard trials across several vessels."

Everllence concludes that energy efficiency is essential to shipping's decarbonisation and positions ESAL as a practical, future-proof solution. By

Everllence

integrating air lubrication with the main engine, ESAL improves net efficiency gains by up to 6%, further reducing fuel consumption, emissions, regulatory costs and fuel demand while supporting competitiveness and the transition to net-zero shipping.



Ship wake with ESAL active

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.