Everllence

Press release
Augsburg, [Day Month Year]

Everllence
Stadtbachstraße 1, 86153 Augsburg, Germany

Postal address:
86224 Augsburg, Germany

www.everllence.com

Group Communications
Michael Mustermann
P +49 821 322 12 34
michael.mustermann@everllence.com

Everllence, ABB and OceanWings **Join Forces to Develop Sustainable Propulsion Concepts**

MoU's initial focus on future LNG carrier setup

At GasTech 2025 in Milan, Everllence signed a Memorandum of Understanding (MoU) with ABB, the global technology leader in electrification and automation, and OceanWings, a global leader in wind-assisted propulsion systems.

The MoU aims to jointly develop an optimised propulsion concept that builds upon Everllence's and ABB's existing DFE+ (Diesel-Electric with variable speed) concept, that enables:

- high engine efficiency, even at partial loads;
- operational flexibility through multiple engines;
- future integration of sustainable energy sources like batteries and fuel cells.

With growing regulatory and financial pressure to reduce emissions and the technological maturity of wind-assisted propulsion systems (WAPS), the partners aim to showcase the benefits of combining WAPS with DFE+.

OceanWings proven wingsail technology features an Adaptive Trimming capability, which continuously optimises sail positioning by accounting for each vessel's unique aerodynamic profile and all aerodynamic interactions.

Romain Grandsart, COO of OceanWings, said: "LNG carriers sail fast and spend typically 70% of their time at sea. This is ideal for harnessing wind and the full potential of OceanWings rigid wingsails. Combined with optimized propulsion, including a DFE+ highly efficient variable speed concept engine, this unlocks high double digit fuel savings and GHG emissions reduction."

Rune Lysebo, Head of Strategic Market Development, ABB's Marine and Ports division, said: "We at ABB believe that the flexibility of our hybrid electrical propulsion system is a good match with the variable power contribution from the wind. By utilizing ABB's advanced power and energy solution, we are able to optimize the operational efficiency of the vessel."

Dominik Thoma, Global Manager LNG Cargo, Everllence said: "While WAPS introduces highly variable propulsion demand due to fluctuating wind conditions, DFE+ propulsion offers precise load control and operational flexibility, making it exceptionally well-suited to harness the variable and intermittent power contributions of wind-assisted systems. In combination with smart power-management systems and adaptive trimming, we see significant potential for reduced emissions and OPEX."

The initial scope of the collaboration will focus on a future LNG carrier concept, with further applications planned within the cargo segment. The partners see strong potential for long-distance operations, vessels with sufficient deck space for wingsails and propulsion systems requiring high flexibility. The collaboration also aims to deliver significant reductions in both OPEX and CAPEX for next-generation vessel designs.

About ABB
ABB is a global technology leader in electrification and automation, enabling a more sustainable and resource-efficient future. By connecting its engineering and digitalization expertise, ABB helps industries run at high performance, while becoming more efficient,

productive and sustainable so they outperform, called ‘Engineered to Outrun’. The company has over 140 years of history and around 110,000 employees worldwide. ABB’s shares are listed on the SIX Swiss Exchange (ABBN) and Nasdaq Stockholm (ABB).
www.abb.com

About OceanWings
OceanWings is an industrial company that designs and delivers Wind Assisted Propulsion Systems, enabling the shipping industry to reduce emissions, lower operational costs, and protect the long-term value of their investments. With an innovative and scalable design, OceanWings offers best-in-class fuel and emissions reductions, ranging from 15% to 50% depending on ship type, route and operational conditions. With no need for dedicated infrastructure, OceanWings harnesses free wind and best-in-class payback of 5 years or less depending on the vessels and fuel type.
www.oceanwings.com

Graphical rendering of the LNG carrier concept with DFE+-WAPS setup

---

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.