Everllence

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Everllence's 175D Engine Capable of 1,500 Hours of Unmanned Operation

Proven high-speed engine targets evolving USV segment

Everllence has reached an important milestone in the development of propulsion solutions for unmanned surface vessels (USVs) with the announcement that its 175D high-speed marine engine will now be used in a prototype project supporting up to 1,500 hours of unmanned vessel operation.

USVs are crewless vessels that can be remotely controlled, semi-autonomous, or fully autonomous with civilian or military applications.

The growing interest in USVs reflects a broader shift in naval and governmental operations. By extending operational reach, increasing deployment flexibility and enabling unmanned missions, USVs are expected to become an increasingly important part of future maritime fleets. With the 175D, Everllence is bringing a proven propulsion platform to this evolving market.

As naval, coastguard and governmental operators continue to invest in unmanned, remotely-operated or autonomous maritime capabilities, requirements for endurance, reliability and vessel availability are increasing. Long-duration missions are becoming a key consideration in future USV concepts, creating demand for propulsion systems capable of supporting extended operation without onboard intervention.

Ruben Fernandez – Head of High-Speed, Four-Stroke Marine, Everllence – said: "Operators are looking for increasingly greater endurance due to longer mission profiles. With the capability to support up to 1,500 hours – equivalent to more than two months of continuous unmanned operation - we are meeting the most demanding market requirements. They also require efficiency to be able to operate with longest possible endurance. The 175D has demonstrated this capability across a wide range of demanding naval and governmental applications and we are pleased to bring these strengths to future unmanned vessel concepts."

175D characteristics
The 175D sets new standards in high-speed marine propulsion through its combination of power output, efficiency and reliability. Its newly developed readiness for up to 1,500 hours of unmanned operation marks the next step

in the platform's evolution and extends its strengths to the rapidly emerging USV segment.

The engine enjoys long maintenance intervals, proven operational reliability, integrated automation capabilities and multiple design features that support high availability. These characteristics combine to support long-duration missions where onboard intervention is not an option and operational reliability becomes mission-critical.

Available in propulsion and generator-set configurations ranging from 1,440 kW to 4,400 kW, the 175D is designed for a broad range of naval, governmental and unmanned vessel applications. Combined with industry-leading overhaul intervals and a proven operational track record, Everllence states that the platform provides a strong foundation for the next generation of maritime systems.



With its 175D high-speed engine, Everllence is bringing a proven propulsion platform to the evolving USV market

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Everllence 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.