FINCANTIERI FINALIZES NEW GENERATION OF THRUSTERS

The Group's Green Package offers the highest sustainability and performances

Trieste, December 2, 2020 – Fincantieri Marine Systems Business Unit has introduced an innovative family of tunnel thrusters by establishing a new state of the art in terms of comfort, reliability, environmental sustainability and energy efficiency.

A leading maritime classification society validated and certified the results of the hydrodynamic optimization, confirming that Fincantieri thrusters reach the lowest levels of vibrations and noise available on the market, capable of satisfying even the needs of the most demanding segments.

A cutting edge patented system of tunnel closure elements (thruster shutters) ensures a significant reduction in terms of hull drag and total required propulsion power, with a fuel saving between 5% and 10%.

This innovative solution consists in high transversal thrust performances (optimized hydrodynamic flow), mechanical protection of propeller (assembly designed to act as a grid) and compactness. The adopted design solution paid the utmost attention to maintainability criteria, allowing to minimize the time of dry-dock operations and to carry out maintenance with floating ship. The reduced interface guarantees easy arrangements on new projects and retrofit on existing tunnels.

Fincantieri is capable to offer **a complete and cutting-edge Green Package**, designed for the highest sustainability of the top performing and reliable set of marine equipment:

- the last born high comfort Tunnel Thruster System completed by its tunnel closure for a perfect hull restoring while cruising;
- fin Stabilizers for energy saving and environment protection through its patented grease lubrication (studied for an easy retrofit);
- the high-efficiency Heat Recovery System dedicated to on board application.

These advanced components are conceived through cutting-edge design solutions aimed to maximize energy efficiency and environmental sustainability of the entire ship system.

Fincantieri is one of the world's largest shipbuilding groups and number one for diversification and innovation. It is leader in cruise ship design and construction and a reference player in all high-tech shipbuilding industry sectors, from naval to offshore vessels, from high-complexity special vessels and ferries to mega yachts, as well as in ship repairs and conversions, production of systems and mechanical and electrical component equipment, cruise ship interiors solutions,

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electronic systems and software, infrastructures and maritime constructions as well as after-sales services. With over 230 years of history and more than 7,000 vessels built, Fincantieri has always kept its management offices, as well as all its distinctive engineering and production skills, in Italy. With over 9,500 employees and a supplier network that employs nearly 50,000 people in Italy alone, Fincantieri has enhanced a fragmented production capacity over several shipyards into a strength, acquiring the widest portfolio of clients and products in the cruise business. To hold its own in relation to competition and assert itself at global level, Fincantieri has broadened its product portfolio becoming world leader in the sectors in which it operates.

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The sea ahead

The Group now has 18 shipyards operating in four continents, nearly 20,000 employees, and is the leading Western shipbuilder; its clients include the world's biggest cruise operators and the Italian and the US Navy as well as numerous foreign navies. Fincantieri is also a partner of some of the main European defence companies within supranational programs.

Fincantieri's business is widely diversified by end markets, geographical exposure and by client base, with revenue generated from cruise ship, naval vessel, Offshore and Specialized Vessel construction and from the supply of solutions for electronic systems and software and for maritime infrastructure and works. Compared with less diversified players, such diversification allows it to mitigate the effects of any fluctuations in demand on the end markets served.

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