

Wind turbines aboard merchant vessels serve dual functions: electrical power generation and supplemental thrust. These systems convert kinetic wind energy into mechanical rotation, then into ...

The United States' first Jones Act-compliant offshore wind turbine installation vessel (WTIV), Charybdis, has started sea trials ahead of delivery to Dominion Energy planned for later in ...

Without more domestic shipbuilding activity for these larger, more complicated vessels, DOE estimates that about half of planned offshore wind projects will be delayed beyond 2030.

Developing wind propulsion systems for onboard installation presents a range of challenges for shipowners, shipyards, ship designers, equipment manufacturers and technology providers.

Wind-Assisted Propulsion Systems (WAPS) offer a powerful solution by harnessing wind energy to reduce fuel consumption and emissions. This article explores what WAPS are, their types, ...

Explore the top 7 green ship concepts harnessing wind energy to cut emissions and reshape sustainable shipping. Learn about innovations like rotor sails, kites, and rigid wings, plus real-world applications ...

Discover how wind-assisted propulsion systems (WAPS) transform shipping by harnessing wind power to slash fuel consumption and emissions sustainably.

Learn about wind power as an alternative fuel sources to help the global shipping industry reach their ambitious goal net-zero GHG emissions by 2050.

The U.S. offshore wind market is still in its early stages, yet the demand for specialized vessels is already significant--and growing. Over the next two decades, dozens more vessels will be ...

With a total variable load capacity of 11,000 tons, it can transport and install three sets of 16-megawatt offshore wind turbine units, making it the only next-generation wind power...

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