

From harnessing renewable energy sources to implementing advanced technologies that enhance fuel efficiency, the industry is undergoing a significant transformation. This article explores ...

A standout example is Kongsberg Maritime's new UT7623 SEV (Sustainable Energy Vessel) design for Olympic. The vessel owner has ordered two multipurpose subsea vessels which ...

Based on the theme of green and efficient, analyze the power requirements of different ship types, comprehensively consider technical conditions such as energy supply, ship power...

In this review, electric and hybrid marine vessels are discussed, including past applications and trend demonstrations. This paper systematically analyzes maritime vessels' energy ...

That evolution begins with rethinking how ships are powered -- not only to cut emissions, but to improve efficiency, reduce costs, and enhance long-term stability. Electrification, through ...

SAN DIEGO - The Department of Defense last month issued a small contract for a Navy project to develop and provide a modular energy storage system for its newest vessels including its ...

This paper has summarized new energy sources available for ships and reviewed progress in research regarding the integration of solar energy, wind energy and fuel cells with conventional ...

The composite energy storage electric propulsion system scheme is designed for small and medium-sized ships with high emission requirements, such as ferries, inland river boats, and special function ...

This article investigates the integration of energy storage onboard an all-electric destroyer by designing a solution for an advanced combination of loads and establishing a procedure for incorporating ...

This paper presents a comprehensive review of such strategies and methods recently presented in the literature associated with energy management in shipboard microgrids integrating ...

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