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Title: Container ship power generation system

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Most large ships such as container vessels, LNG carriers and tankers are powered by two-stroke main engines. When they additionally have a shaft generator system, this can ...

In this study, an integrated Methanol-fueled SOFC-sCO<sub>2</sub> combined power system is proposed for all-electric ships. The system efficiently utilizes waste heat from SOFCs by ...

In this study, based on actual operation data, the load requirements for each operation mode were analyzed, and a diesel ...

Ship electrical systems power everything from navigation equipment to massive cargo handling machinery, creating floating cities that must ...

To evaluate the effectiveness of our optimisation method for shore power system configuration, we defined a generic and representative case study. We consider a large container terminal ...

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Ship electrical systems power everything from navigation equipment to massive cargo handling machinery, creating floating cities that must operate independently for weeks or months at sea.

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