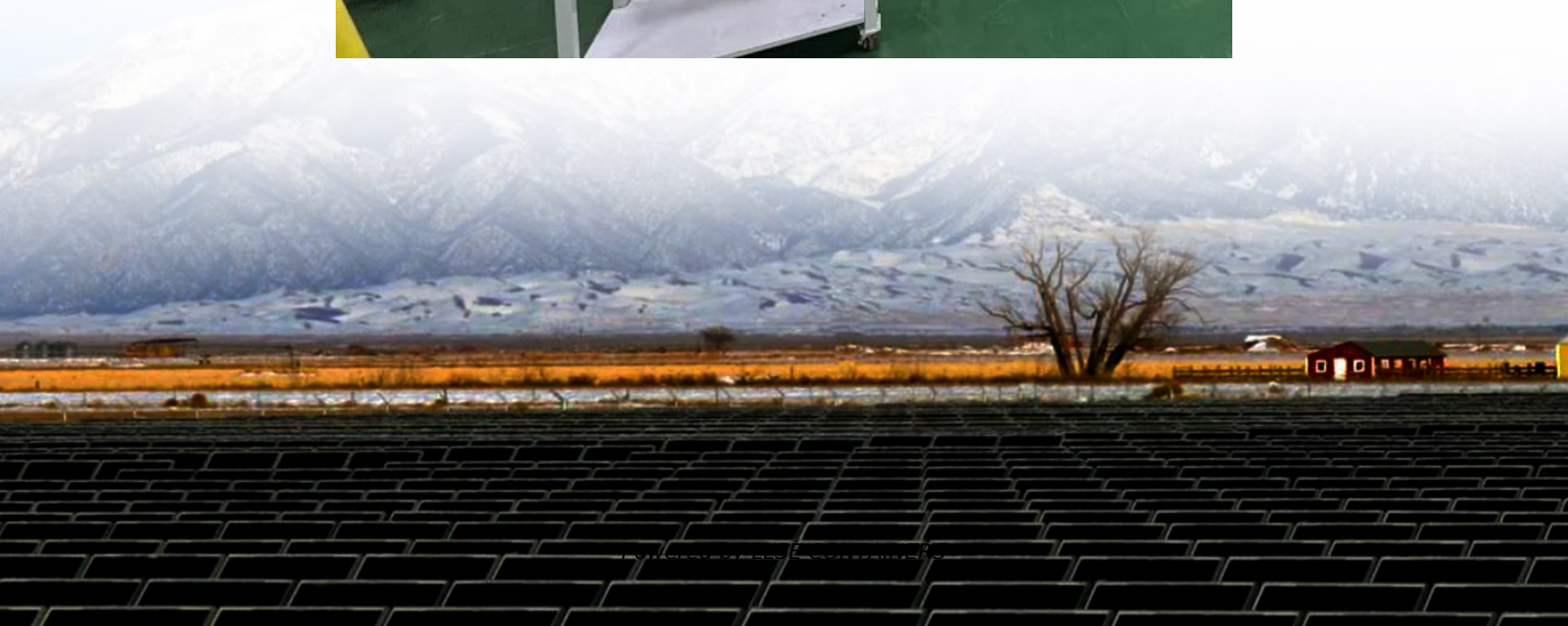


Comparison of a 100kW Folding Container and a Diesel Engine





Overview

This study investigates an appropriate combined cycle as the electric propulsion system in a large container ship. A gas turbine combined cycle and molten carbonate fuel cell-steam turbine cycle are consi.

Can a large container ship have electric propulsion?

Particularly, a large container ship with electric propulsion will be the key element of global trades for sustainable shipping. This study investigates the combined power cycles for the electric propulsion system in a large container ship. Combined cycles have the primary power machinery and a secondary one.

How many configurations of electric propulsion system are suggested in a large container ship?

Three configurations for the electric propulsion system are suggested in a large container ship. Comparative results of three configurations are provided for selecting an appropriate alternative. A hythane-fueled marine power plant becomes solely available with a stricter EEDI phase.

How many TEU are in a container ship?

In 1969, 22 vessels were delivered and the size of the largest vessels increased to around 1,500–2,000 teu. In 1972, the first container vessels with a capacity above 3,000 teu were delivered from the German Howaldtwerke Shipyard.

Which methanol engine is best for a container vessel?

The ME-GI is still a popular solution for the largest container vessels in strong competition with the LGIM methanol engine. As of November 2023, methanol engines make up more than 60% of all the dual-fuel engine orders for container vessels, measured in Power and it offers a direct path towards net-zero emissions.



Comparison of a 100kW Folding Container and a Diesel Engine



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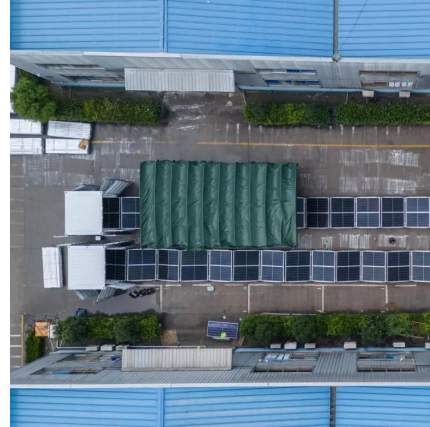
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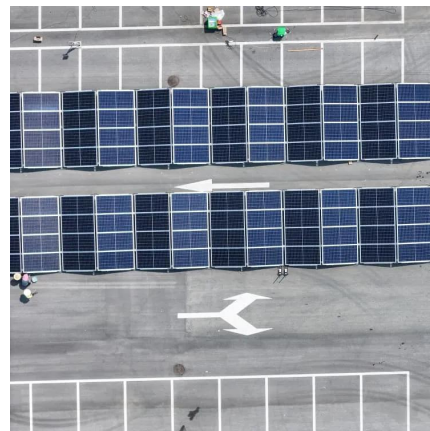
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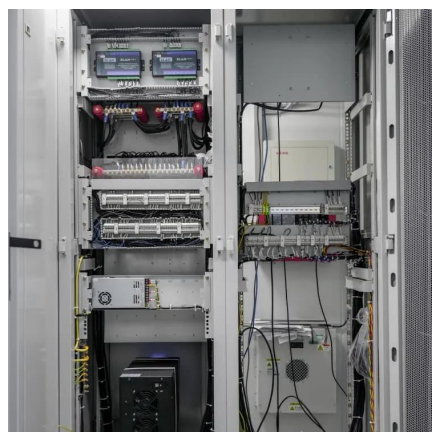


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