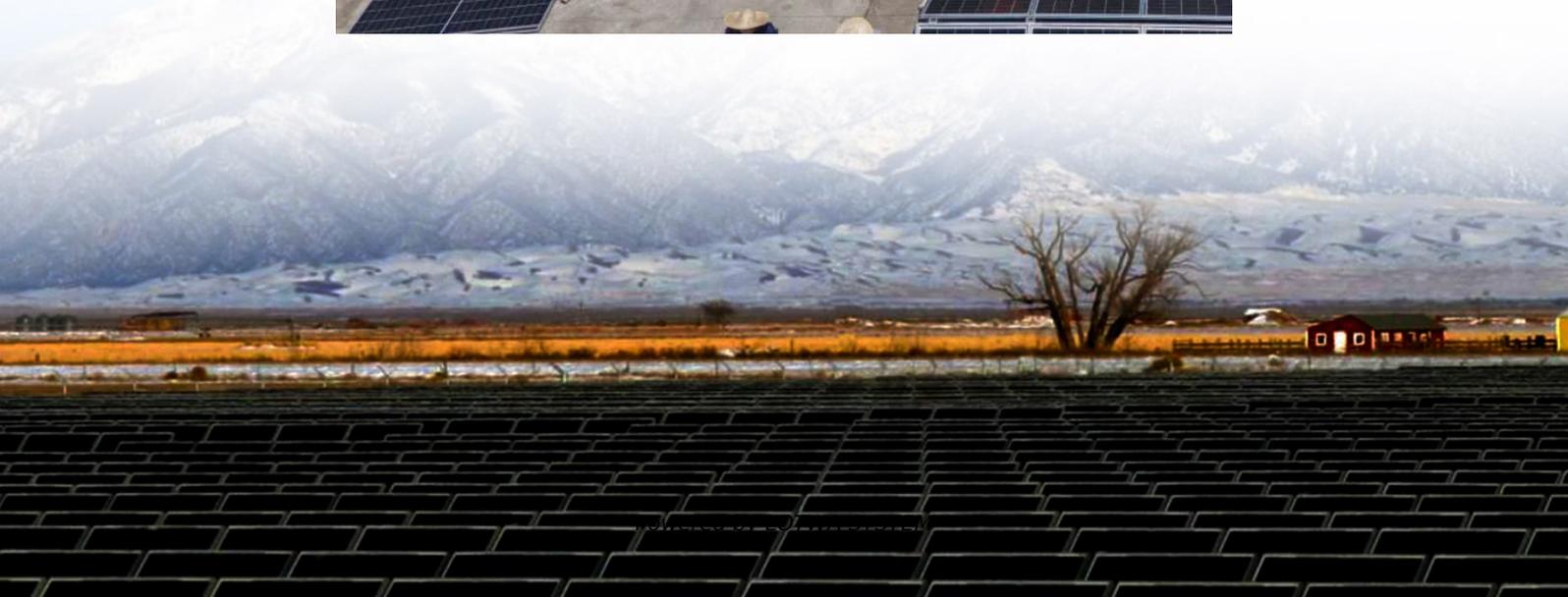


Shore power and energy storage integrated system





Overview

What is a shore power facility?

Shore power facilities will generally form part of a wider port energy network including electric power for port assets and back-up power generators. Ports that have a high-power grid connection (or could upgrade their connection at reasonable cost) do have the option of supplying shore power directly from the grid.

Is shore power a competitive disadvantage?

Finally, it is widely acknowledged that for vessel operators, grid electricity provided through shore power is currently uncompetitive with on-board generators running on low-carbon fuels such as biofuel. How can ports achieve an energy system which minimizes or reverses this competitive disadvantage?

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Are all solutions prepared for shore connection?

All solutions are prepared for shore connection according to the new IEC recommendations. Our unique and patented energy control system for hybrid power systems extracts from and shares information between all components in the digital power layer. Tight synchronized integration delivers unique features at the cutting edge of DP technology.

Why is energy storage a critical port function?

Ensuring availability of these electrical resources to meet loads which are intermittent and uncertain is becoming a critical port function. It requires investment in multi-vector energy supply chains, energy storage in ports and their associated energy management systems.



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