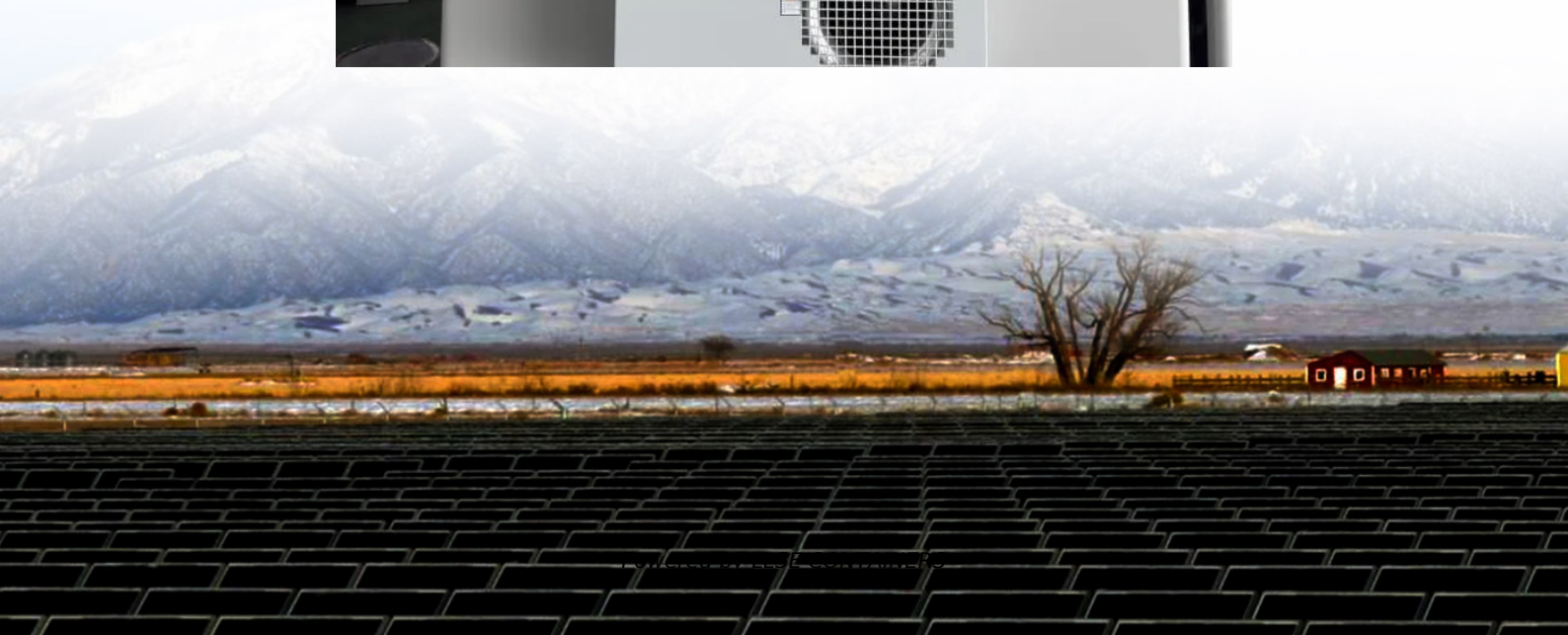


Foldable Container High Efficiency and Product Quality





Overview

Are foldable containers economically viable?

In order to examine the economic viability of the developed foldable container as compared to a standard 40-ft high-cube container, cost analysis is performed for an example route, i.e., the Busan-Vostochny-Moscow route (Fig. 10), which involves both inland and maritime transportation.

What are the benefits of a foldable container?

Using the newly developed foldable container can not only significantly reduce logistics costs, but also bring positive environmental impacts such as reducing greenhouse gas that may have arisen from transporting bulky empty containers. Also the foldable container influences social aspects such as noise pollution, local development and employment.

What are the conditions for the success of foldable containers?

Konings and Thijs summarized clearly the conditions for the success of foldable containers in the market: (1) low costs for folding and unfolding the containers; (2) low manufacturing costs; (3) compatibility with existing equipment for intermodal transport; and (4) structural robustness.

How can a foldable container reduce the cost of storage?

The satisfaction of such conditions and the eventual adoption of the foldable container by the market would reduce the operation costs by 50% to 60% , the storage space in yard and depot by 80% and CO₂ emissions by 20% [8, 12].



Foldable Container High Efficiency and Product Quality



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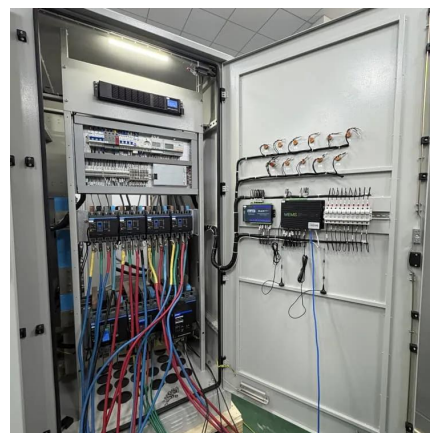
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