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Title: Service Quality of Low-Pressure Folding Containers for Ships

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Do foldable containers affect the shipping industry?

This paper analyzes the effect of foldable containers in various circumstances. Recently, as a result of the COVID-19 pandemic, many unexpected situations have arisen in the shipping and logistics industries. In this study, we examine three key situations: shutdowns, demand fluctuations, and fleet size fluctuations.

Are foldable containers more effective than standard containers?

Furthermore, we developed an integer programming model to analyze through experiments the effect of foldable containers in each situation. The results show that foldable containers have proven to be more effective than standard containers in many situations, and they facilitate a faster recovery from container imbalances.

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.

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.

A five-in-one foldable container design could boost efficiency and transform the carriages of empties, claims Florida-based Compact ...

Capable of being quickly and safely folded or erected in minutes, the SeaFold 40" is constructed using the highest quality industry standard materials and parts allowing it to be serviced by ...

We design foldable intermodal shipping containers that ...

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Are folding shipping containers certified? Yes, many folding shipping containers are certified by ISO and CSC standards, ensuring their safety and reliability in transport.

The presented foldable container passed the tests for international certifications ISO 1496-1 and CSC required for its application on site. Differently from the 4:1 folding ratio ...

This study seeks to explore the effectiveness of employing foldable containers (FLDs) in liner shipping to reduce relocation and the empty containers and bunker costs (BCs) ...

COLLAPSECON's innovative and fully automated design allows up to 4 containers to be collapsed and combined, giving them a fully laden weight and enabling them to be transported ...

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We design foldable intermodal shipping containers that exceed ISO and CSC standards, and the systems needed to fold them standing upright in bundles, safely and quickly.

These containers are available as general or temperature-controlled containers, depending on the customer's needs. Such standardized cargo containers have maintained ...

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