

Title: Conditions for Grid-Connected Transactions of Foldable Containers

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Containers are concentrated in the wrong areas due to high demand and the reluctance to ship empty containers back to other ports. ...

We analyze the effects of foldable containers using a newly developed multi-port and multi-period container planning model. The proposed model is a large-scale optimization problem, for ...

The folding container market faces several key supply chain challenges significantly affecting its efficiency and profitability. One of the most pressing issues is **material scarcity**. ...

Foldable shipping containers are innovative cargo solutions designed to collapse into a smaller size when not in use. This feature significantly reduces the space required for ...

We comprehensively analyzed numerical experiments to illustrate trade-offs between cost savings and potential risks concerning reliability in supply of empty containers by ...

This study considers the empty container repositioning problem of shipping companies that use standard and 3-in-1 foldable containers with more advanced designs. A ...

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We use the model to minimize total transportation costs, inventory holding, handling, folding and unfolding, container leasing, and installing facilities that accommodate ...

In this study, we developed a mathematical model for an integrated shipping network to investigate the impact of street-turn, depot-direct, using foldable containers, and ...

Containers are concentrated in the wrong areas due to high demand and the reluctance to ship empty containers back to other ports. This is driven by disruptions in long ...

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Given the requirement to position containers anywhere on a vessel, the industry must be confident that a collapsible container can sustain the weight of fully laden boxes both at sea ...

In this study, we examine three key situations: shutdowns, demand fluctuations, and fleet size fluctuations. Furthermore, we developed an integer programming model to analyze ...

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