

# North Korean Folding Container Low-Pressure Type Cost- Effectiveness





## Overview

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Why are foldable containers not used in Asian ports?

Because of insufficiencies of empty containers at Asian ports, repositioning of foldable containers does not occur and foldable containers are used to transport goods from Asia to NA. In this case, the utilization of foldable containers decreases as folding and unfolding costs increase.

Does folding/unfolding cost affect the utilization of foldable containers?

In this case, the utilization of foldable containers decreases as folding and unfolding costs increase. Therefore, it is clear that decisions about foldable containers are influenced by folding/unfolding costs, which may affect the adoption and active utilization of foldable containers.

Do folding/unfolding costs affect the adoption of foldable containers?

Therefore, it is clear that decisions about foldable containers are influenced by folding/unfolding costs, which may affect the adoption and active utilization of foldable containers. Table 12. Total transportation and repositioning quantities of foldable containers between NA-Asia network. Empty Cell Empty Cell LDR RLDR Empty Cell Empty Cell.

Do foldable containers reduce repositioning costs?

In our ECR problem, the shipping company considers both transporting loaded containers and repositioning of empty containers over a planning horizon. Because empty repositioning incurs costs and consumes vessel capacity, foldable containers are used to reduce repositioning costs.



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Robust empty container repositioning considering foldable containers

Feb 1, 2020 · Repositioning of empty containers is non-value added transportation with enormous transportation costs and non-profitable consumption of vessel capacity. Each time an empty ...

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Design and Cost-Effectiveness of 5-Tier Foldable Container

Feb 19, 2022 · The selected size of the container is the standard 40-ft high cube because it represents about 70% of the maritime container fleet transiting Korean ports.

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ANALYZING THE EFFECTS OF USING BOTH FOLDABLE ...

Dec 31, 2021 · A shipping company can also reposition empty containers from surplus ports to deficit ports. These strategies must be completed while minimizing the total costs for ...

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Korea Pallet Pool

Foldable IBC (FOLDPAC) FOLDPAC, the folding IBC (Intermediate Bulk Container) optimized for container loading, contributes to the efficiency of global export and import transportation. ...

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Effects of Foldable Containers in Various Circumstances ...

Nov 14, 2024 · However, the optimal number of foldable containers differs in each situation, and the cost of foldable containers is high. To address this, we propose implementing effective ...

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Folding storage containers/container warehouse

Dec 3, 2025 · ZN House's latest development, the folding storage container, features a foldable design, offering high cost-effectiveness, low space occupancy, convenient installation, good ...

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(PDF) Economic benefits of deploying ...

Jun 27, 2024 · This study seeks to explore the effectiveness of employing foldable containers (FLDs) in liner shipping to reduce relocation and the ...

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(PDF) Economic benefits of deploying foldable containers: ...

Jun 27, 2024 · 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) ...

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Folding storage containers/container ...

Dec 3, 2025 · ZN House's latest development, the folding storage container, features a foldable design, offering high cost-effectiveness, low space ...

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Design and Cost-Effectiveness of 5-Tier Foldable Container

Feb 19, 2022 · This paper presents the design of a new 5-tier stacking foldable container with



convenient folding and unfolding process and that can be produced economically compared to ...

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#### Economic Analysis of Foldable Containers on the Jeju

Seasonal patterns and mixing percentages of foldable and standard containers on the route, may also produce cost-effective solutions. Sensitivity analysis reveals that benefits from using ...

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Economic Analysis of Foldable Containers on the Jeju-Mokpo Container ...

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