



# Cost-effectiveness analysis of a 200kW folding container







advantages?

Although the economic advantages of foldable containers seem evident, we explain that these types of boxes have to cope with scepticism about technical performance, the complexity of the folding and unfolding process in particular, as well as logistical and organisational problems with using foldable containers. Content may be subject to copyright.

Do foldable containers reduce container fleet management costs?

The effect of foldable containers on the costs of container fleet management in liner shipping networks. *Maritime Economics & Logistics*. 2012. Vol. 14. No. 4. P. 455-479. DOI: 10.1057/mel.2012.16. Shintani, K. & Konings, R. & Imai, A. Combinable containers: A container innovation to save container fleet and empty container repositioning costs.

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 CO 2 emissions by 20% [8, 12].

Are foldable containers effective in repositioning empty containers?

Foldable containers are considered an effective solution to deal with the endemic imbalance in the repositioning of empty containers. Several foldable containers were commercialized without clear breakthrough in the market and most current researches are still limited to small pilot projects.



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### [Foldable Containers: a New Perspective on Reducing Container](#)

In this paper we analyse why previous initiatives for foldable containers failed and discuss the conditions required for successful commercial applications.

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### [\(PDF\) Economic benefits of deploying foldable containers: ...](#)

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

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### [Do Foldable Containers Enhance Efficient Empty Container](#)

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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### [Foldable Containers: a New Perspective on ...](#)

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### [Foldable Containers to Reduce the Costs of Empty ...](#)

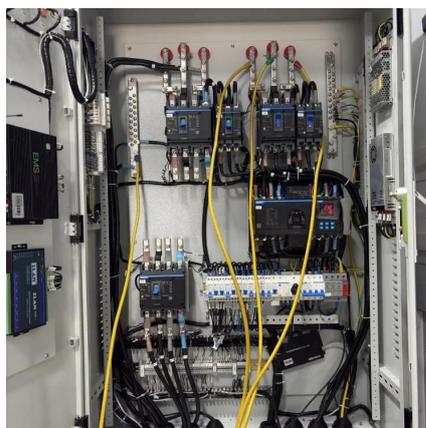
In this paper, we analyse the opportunities for commercial application of foldable containers. For this purpose a cost-benefit analysis ...

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### **Paper Title (use style: paper title)**

Abstract--This study investigates the commercial viability of foldable containers from a carrier's perspective. A cost-benefit and sensitivity analysis is conducted for operating regular and ...

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### **Effects of Foldable Containers in Various Circumstances in ...**

In this study, we conducted an analysis of the effects of using foldable containers in various circumstances, with particular emphasis on addressing the issue of container imbalances. ...

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### **Foldable Containers to Reduce the**



## Costs of Empty Transport? A Cost

In this paper, we analyse the opportunities for commercial application of foldable containers. For this purpose a cost-benefit analysis is adopted in which four logistic concepts ...

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## [Design and Cost-Effectiveness of 5-Tier Foldable Container](#)

Borg, E.: Environmental benefits from reducing empty container movements: a life cycle assessment and analysis of strategies to reduce empty container repositioning.

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## [ECONOMIC BENEFITS OF DEPLOYING FOLDABLE ...](#)

FLDs can be folded and bundled four high when repositioned, reducing space by 75%, aiding efficient utilization, and lowering the handling burden at ports, meaning they may be more cost ...

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## [\(PDF\) Economic benefits of deploying foldable ...](#)

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

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## [Design and Cost-Effectiveness of 5-Tier](#)



## [Foldable Container](#)

Article "Design and Cost-Effectiveness of 5-Tier Foldable Container" Detailed information of the J-GLOBAL is an information service managed by the Japan Science and Technology Agency ...

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## [Design and Cost-Effectiveness of 5-Tier Foldable Container](#)

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 ...

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<https://www.energyinnovationday.pl>

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