
Price reduction for single-phase folding containers used in field operations

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.

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.

What are the operating costs of a foldable container?

zitF inventory level of foldable containers at port i at the end of period t The total operating cost consists of consists of transportation, repositioning, holding, penalty, folding, and unfolding costs. The transportation costs consist of expenses incurred during container flow.

Do folding and unfolding costs affect the cost of a container case?

We note in Table 10 that the total costs of the standard container case have not changed, because the total costs are not affected by folding and unfolding costs. For further analysis, we compare the transportation and repositioning quantities of foldable containers with various folding and unfolding costs in Section 5.4. Table 9.

Reduction of repositioning costs and empty container movements by truck, barge, rail or sea. Significant storage savings and space maximization in locations with limited real ...

The use of foldable containers reduces inventory and repositioning costs by saving on storage space, but it involves folding and unfolding costs. Therefore, whether foldable ...

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

Folding IBCs' proven ability to deliver space-saving benefits, transportation cost

reduction, and diverse application possibilities makes ...

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****. ...

However, much depends on the additional costs that foldable containers cause, that is, the cost of folding and unfolding, additional exploitation costs and any additional ...

A reduction of 25% on operational costs can be achieved, giving an huge economic boost to the EU logistics sector and the total EU economy. The 4FOLD strengthens ...

Folding IBCs" proven ability to deliver space-saving benefits, transportation cost reduction, and diverse application possibilities makes them essential products for logistics ...

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

Are shipping containers outdated? The intermodal shipping container is 70 years old. Over the years it has been refined but ownership costs have increased. For example, this ...

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