
Collaboration on Ultra-Large Capacity Folding Containers for Bridges

Can foldable containers be used in maritime transportation?

Computational results show that the proposed formulation performs well in terms of operating costs and there exists a significant cost-saving effect when foldable containers are used in maritime transportation. Previous article in issue Next article in issue Keywords OR in maritime industry Empty container repositioning Foldable container

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.

Are foldable containers a good investment?

Despite high purchase costs and the additional folding and unfolding costs of foldable containers, foldable containers have advantages in the reduction of repositioning costs and saving in terms of storage space and vessel capacity.

What is a foldable container?

Foldable containers are repositioned in a folded state to occupy less of the vessel capacity than standard containers do. Supplied foldable containers from customers are delivered in the unfolded state and used to satisfy demand. Excess foldable containers are stored at a port after being folded.

Cranes: Ports that deal with ULCVs should use ultra-large gantry cranes able to reaching throughout the large decks of those vessels. These cranes should even have the lifting ...

Foldable containers are considered an effective solution to deal with the endemic imbalance in the repositioning of empty containers. Several foldable containers were ...

The advanced folding technology of the rotor sails allows for horizontal folding during port maneuvers or when navigating under low-clearance structures such as bridges. ...

Gartner research shows 78% of organizational leaders report experiencing "collaboration drag" -- too many meetings, too much peer feedback, unclear decision-making ...

To address these issues, this study considers the use of foldable containers when utilizing the remaining capacity of vessels for empty container repositioning. A multi-period ...

The structures were optimised for different load cases and in different folding states. The bridges in final state were optimised under self-weight and for a live load of ...

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.

Can Shipping Containers Be Repurposed Into Functional Bridges? Yes! Their inherent strength, durability, and ease of assembly make them suitable for pedestrian walkways, light automobile ...

The Rise of Ultra Large Container Vessels: Implications for Seaport Systems and Environmental Considerations December 2021 December 2021 DOI: 10.1007/978-3-030 ...

Design: Eco-friendly hull form with hybrid scrubber ONE's contribution to sustainable ultra-large container vessels (ULCVs). 12. Maersk Mc-Kinney Møller TEU capacity: 18,270 Built: 2013 ...

GTT to Design LNG Fuel Tanks for Ten Ultra Large Container Vessels in Collaboration with Yangzijiang Shipyard Posted on 27, July 2023 by EuropaWire PR Editor | ...

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