

Cost of grid-connected folding containers used on Russian islands





Overview

How many foldable containers are needed for the Inland network?

Out of a total of about 5000 containers, an estimated fleet and critical mass of just 695 foldable containers are required for the inland network under study (and the rest of the containers being conventional ones), with a 71% load factor on the back haul.

How did Russia's container market perform in 2022?

In 2022, Russia's container market decreased by 17% (1 million TEU), almost equal to the pre-lockdown levels. The container market in Russia saw a shift of foreign trade flows in addition to an overall decline in volume in 2022.

How will foldable containers affect exporters?

Despite the increase in operational complexity, one foreseeable impact of foldable containers is that the availability of empty containers for exporters should logically improve, since carriers would find it cheaper to rebalance stocks of foldable containers between IPI locations, as represented in Leg F of Fig. 2.

Do foldable containers generate revenue?

However, this does not generate revenue and incurs container management costs (CMCs). Some container carriers may use foldable containers (FLDs), such as four-in-one designs, instead of standard containers (STDs), in order to minimize the costs associated with relocating empty containers.



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An empirical analysis on key factors affecting the introduction of foldable containers on Russian transportation market. PhD Thesis, Korea Maritime and Ocean University, Korea (2019)

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