

# Fixed type of folding container for scientific research station





## Overview

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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.

Which containers are foldable or collapsible?

As mentioned above, the foldable or collapsible containers that have been actually commercialized to date are SIO, Fallpac and HCl. Among them, only HCl is fully foldable whereas SIO is collapsible and Fallpac combines collapsible and foldable features.

Why are foldable containers so controversial?

One main reason for this controversy is the high purchase cost of the foldable container. The current purchase cost of the developed foldable container is currently set to US\$ 20,000 but will be lowered to US\$ 10,000 in case of mass production, which is still significantly higher than the purchase price of US\$ 5,000 of a standard 40-foot container.

What are the conditions for the success of foldable containers?

Konings and Thijs summarized clearly the conditions for the success of foldable containers in the market: (1) low costs for folding and unfolding the containers; (2) low manufacturing costs; (3) compatibility with existing equipment for intermodal transport; and (4) structural robustness.



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