



# COMPACT CONTAINER SYSTEMS

Profits Through **Innovation**

## FOLDX™



The biggest innovation in shipping is really quite small.

## Introducing the **FOLDX-40HC**.

**Increase your profitability. Reduce your shipping costs.**

Compact Containers Systems (CCS) introduces the world's first family of foldable ISO containers — the FOLDX-40HC. A design so revolutionary, it is sure to change the fundamental economics of the shipping industry.

Fully compatible with existing intermodal handling equipment, our **patented** design enables the FOLDX-40HC to be folded to a quarter of its original size — all to **reduce back-haul shipping costs, storage costs** and **green house gas emissions**.

## The Challenge

---

A constant imbalance of shipping containers exists throughout the world, due to the continual movement of imports/exports. Shippers spend large amounts of money and resources to reposition empty containers to locations that have awaiting cargo. In fact, over 120 million TEU's are shipped annually, more than \$22B is spent on container repositioning costs, and 20-50% of container movements are empty. As a result, ISO containers spend 56% of their life expectancy unutilized due to the trade imbalance and the exorbitantly high cost of repositioning, all the while incurring yard storage fees.

## The Solution

---

**The FOLDX-40 HC.** This revolutionary container is designed and engineered by highly specialized design and fabrication professionals with a long history of introducing innovative products for the Aerospace/Industrial market — a market where durability and performance are critical, particularly in extreme environmental conditions.

### The result?

- The FOLDX-40HC can be quickly reduced by a two-person team in just ten minutes
- Reduces back-haul costs up to 75%
- Loading time is reduced
- Utilizes existing intermodal equipment
- Lift seven units at once
- Fully compatible with existing ISO containers' external dimensions and interconnects
- Valuable slot space is freed up
- An environmentally-friendly solution to reducing unnecessary carbon emission

1



2



The FOLDX-40 HC has been tested and proven to withstand the industry's critical dimensional and stress factor tolerances. The Compact Container Systems fabrication team has over thirty years experience in the container industry and uses the only co-located manufacturing and ISO Test Certification facility in North America.

### Product Specifications

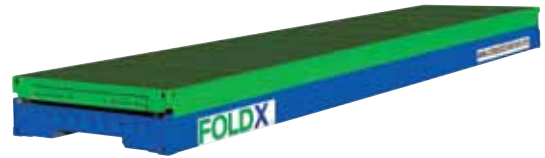
40 CCHD	LENGTH	WIDTH	HEIGHT	DOOR OPENING
Exterior	40'	8'	9' 6"	7' 6" W x 8' 6 <sup>1</sup> / <sub>4</sub> " H
Interior	39' 4 <sup>3</sup> / <sub>4</sub> "	7' 7 <sup>1</sup> / <sub>2</sub> "	8' 9"	
Folded	40'	8'	2' 3 <sup>5</sup> / <sub>8</sub> "	

40 CCHD	TARE WEIGHT	PAYLOAD	GROSS WEIGHT	CUBIC CAPACITY
Lbs.	13K	54K	67K	2656 cu.'

3



4



## Construction and Maintenance

The FOLDX-40HC is constructed using industry standard materials. This allows the container to be maintained anywhere in the world. Our service center can provide access to parts within 72 hours in most cases.

## Economic Value Contribution

### → Cost Savings

- ▶ 1 Lift Operation vs. 7 (x2 On/Off)
- ▶ ¼ Storage Vertical Space in Yard/Depot
- ▶ ¼ Back-Haul Costs
- ▶ ¼ Cost to initially position containers
- ▶ Less Stranded/Idle Containers

### → Additional Benefits

- ▶ Increase sales opportunities through lower roundtrip costs
- ▶ Reduce time in port load empties (increase on-time performance)

## Environmental Savings

Mode	BackHaul (Km/Miles)	Kg CO <sub>2</sub> Saved/Cont	% Kg CO <sub>2</sub>	Containers Moved	Standard Containers	FOLDX Containers
Truck	500-100 /311-62	284-56	43%	24	24 Trucks	6 Trucks w/ 4 Stacked
Rail	3000-1000 /1864-621	499-166	41%	24	4 (3 Unit Double Well Cars)	1 (3 Unit Double Well Car)
Ship	15000-5000 /9321-3107	(18)-(6)	(.06)%- 48%*	24	1 Ship	1 Ship – 3 More Rev Gen Slots Avail

### Key Metrics

■ .0849 Kg CO<sub>2</sub>/Tonne Km (Heavy Truck) ■ .0285 Kg CO<sub>2</sub>/Tonne Km (Rail) ■ .0130 Kg CO<sub>2</sub>/Tonne Km (Ship)

Source U.K DEFRA 2009

\* If a 2nd ship is required for higher volume savings is 48%





## Company Profile

---

Compact Container Systems is a high-tech development firm located in Boston. The founders of CCS each have at least 25 years of proven experience developing new products and solutions for commercial markets. CCS is currently working with major universities, key strategic partners and domestic and international government agencies to ensure our products are leading the industry and are compliant with all regulatory requirements. CCS is funded by AeroEquity Partners, a private-equity firm that is exclusively focused on Industrial/Technology Products. CCS is dedicated to providing the shipping industry with environmentally-friendly solutions designed to increase profits while reducing unnecessary carbon emissions.



**COMPACT  
CONTAINER  
SYSTEMS**

55 William Street, Suite 210  
Wellesley, MA 02481

**[www.compactcontainers.com](http://www.compactcontainers.com)**

781.431.7956