

Zbox.

Like a standard container

Zbox is a new generation of foldable containers developed by **Navlandis**, with an almost identical use to a standard container because both Zbox unfolded and folded:

- They are certified according to ISO-668, ISO 1496 and CSC (Convention for Safe Containers), demonstrating maximum resistance and water tightness
- They can travel in any position of the ship
- They don't have "loose" parts that can be lost
- They can be simply handled with existing standard vehicles and machinery in any terminal or depot

This is possible because **Zbox is designed to minimize differences from the standard container**. For this reason, its dimensions and weight are very close to those of the standard container, and it shares 85% of its parts with it, which facilitates maintenance and repair operations..

Certificados

ISO-668

ISO-1496

CSC

Datos técnicos

Maximum Gross Weight

30.480kg

Allowable Stacking Load For 1.8kg

213.000kg

Racking Test Load Value

150KN

	Estándar 20'	ZBox 20'	x5 ZBox 20'
Profundidad (mm)	6058	6058	6058
Anchura (mm)	2438	2438	2438
Altura (mm)	2591	2591	2896
Tara (kg)	2300	3020	-
Capacidad de carga (kg)	28.180	27.645	-
Capacidad de carga (m3)	33,2	32,7	-
Anchura de puertas (mm)	2340	2330	-
Altura de puertas (mm)	2280	2257	-

Zbox.

More than a foldable container

Navlandis offers packs of 5 **Zbox** containers for rent. Previously, we will study together the route or routes where you want to use it to confirm the operational, economic and/or environmental benefits.

The **Zbox** will start traveling without initial cost; only after its route, we will calculate the actual economic saving incurred compared to the use of standard containers, and that is where our fees come from.

Folding, unfolding and stacking the container is very easy, but if you wish we support whoever you choose to optimally carry out the process.

Impacts or failures can be repaired everywhere, and if they affect 15% of non-standard parts, we provide them and help you in whatever you need.

The great benefit of Zbox is its foldable system, exclusive and internationally patented since 2014, which allows:

Stacking 5 empty containers instead of 1



Easy to handle. Folded in 10'



Zbox is available for rent according to its success, with minimum risk for your company.

 Pay as you Save

Zbox reduces greenhouse gases and allows an efficient use in terminals and depots.



More Sustainable



More Space

Case Study

Let's consider a full containers transport from Nanjing (China) to Toledo (Spain), where containers make the return journey empty.

Movement Costs	Estándar 20'	ZBox 20'
1. Unfold Container	0€	37€
2. Gate out Depot	18,04€	18,04€
3. Transport Depot - Shipper (e)	329,82€	329,82€
4. Transport Shipper - Port (f)	329,82€	329,82€
5. Handling costs (f)	90,93€	90,93€
6. Sea Transport (f)	1.469,38€	1.469,38€
7. Handling costs (f)	233,07€	233,07€
8. Transport Port - Consignee - Depot	665,28€	665,28€
9. Gate in Depot (e)	18,04€	18,04€
10. Fold Container	0€	37€
11. Storage inland Depot (e)	26,10€	5,22€
12. Transport Depot - Port (e)	49,47€	9,89€
13. Handling costs (e)	233,07€	18,19€
14. Sea Transport (e)	1.469,38€	202,58€
15. Handling costs (e)	90,93€	18,19€
16. Transport Terminal - Depot	159,41€	31,88€
17. Gate in Depot	18,04€	3,61€
18. Storage (e)	26,01€	5,22€
Full Cycle Costs	5.227€	3.523€

■ bundled (e) empty (f) Full

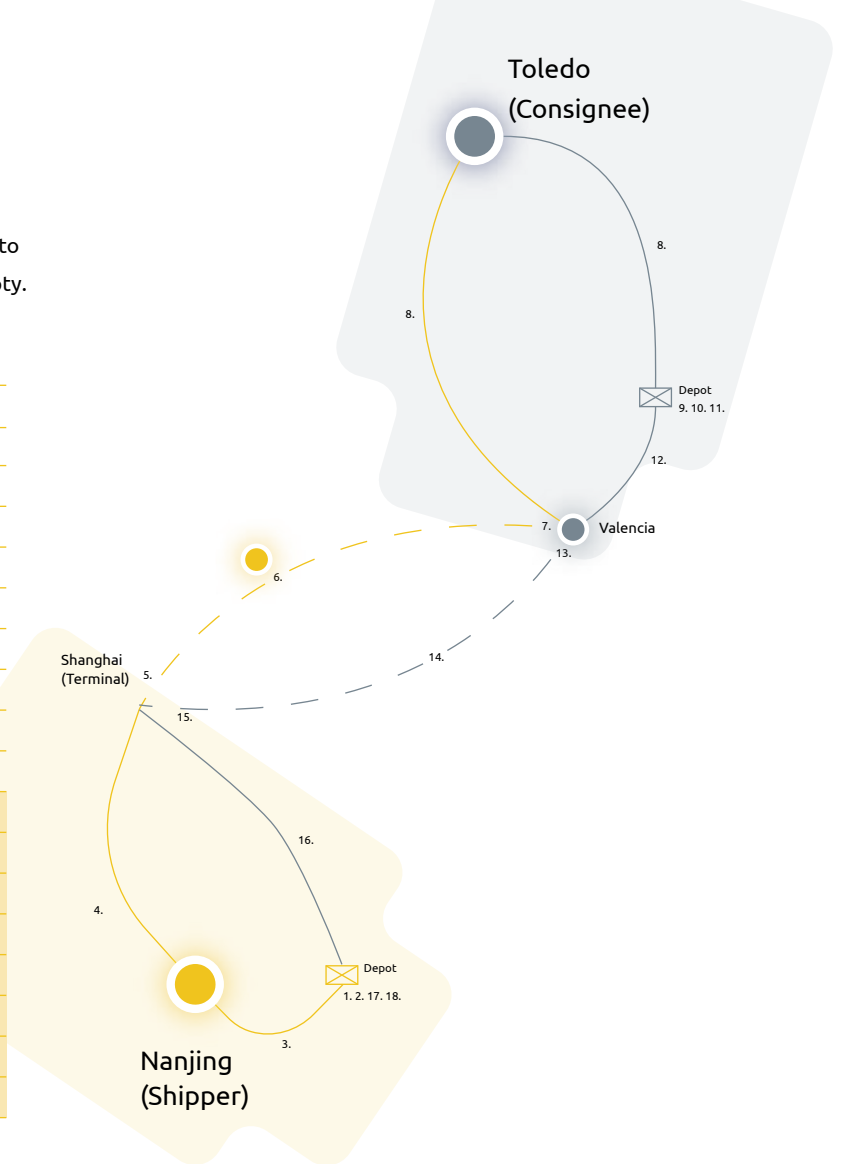
Yearly Cost (4 trips/year)	Estándar 20'	ZBox 20'
Container Leasing Cost	350€	0€
Success fee	0€	3.582€*
Total	21.258€	17.675€
Yearly CO₂ emissions	14t CO₂	9,4t CO₂

* In the case of Zbox, they correspond to 50% of the operational cost savings, only if they actually occur.

The use of **Zbox** on this route saves around 17% of its economic cost after covering all the associated costs, since **Zbox** has no initial investment and the folding and unfolding costs are very much lower than the overall savings achieved.

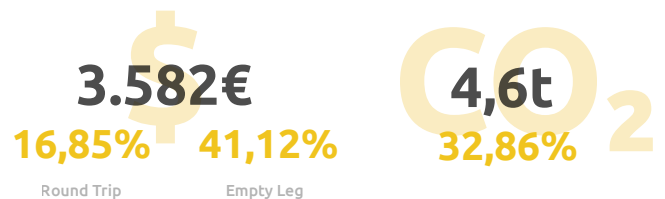
Even if the containers on the standard route didn't pass through depot (costs 3, 9, 11, 12, 16, 17 y 18 are eliminated) the savings are 15%.

It is important to point out that around a ton of CO₂ is saved for each complete cycle, which means almost 5 tCO₂ less per year per container, just on this route. This entails more than a 30% reduction of greenhouse gasses emissions, which is an important number in order to meet the objectives of the European Green Deal, 2030 Climate and Energy Framework or the United Nations Sustainable Development Goals.



Savings

per container & year



At Navlandis, we've studied several real routes, and we could give potential saving ranges.

However, we know each route has its own particularities, and it isn't reliable to apply general savings data to any route. So, if you want us to calculate with you the savings that Zbox will bring to your routes with all details, contact us at:

+34 963 390 030 +34 647 701 196 mnavalon@navlandis.com