Cars in Container

Sustainable Solutions for Finished Vehicle Logistics
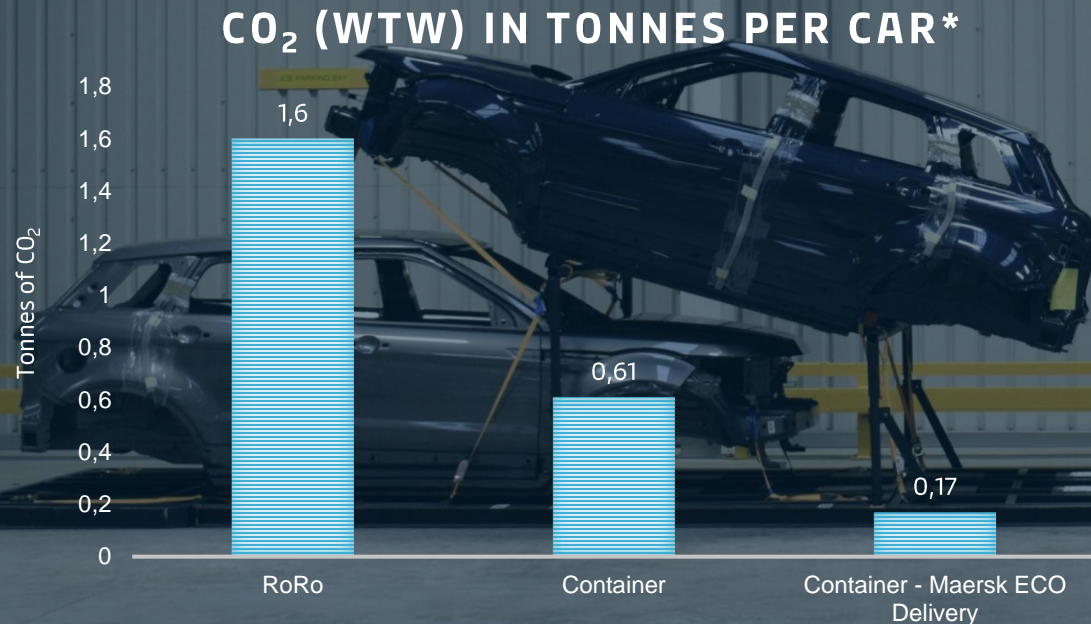
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Green-House-Gas Emissions
Example: Rotterdam (NL) – Shanghai (CN)

CO_2 (WTW) IN TONNES PER CAR*

Tonnes of CO_2

Value	
1,8	
1,6	1,6 (RoRo)
1,4	
1,2	
1	
0,8	
0,6	0,61 (Container)
0,4	
0,2	0,17 (Container - Maersk ECO Delivery)
0	

- RoRo
- Container
- Container - Maersk ECO Delivery

Cars in Container solution:

- 62% (0.99t) less CO_2 emissions per car
- 89% (1.43t) less CO_2 emissions possible by using **Maersk ECO Delivery** solution

Saving 0.99t CO_2 per 1 car equals:
- **4,084 km**** driven by an average gasoline-powered passenger vehicle
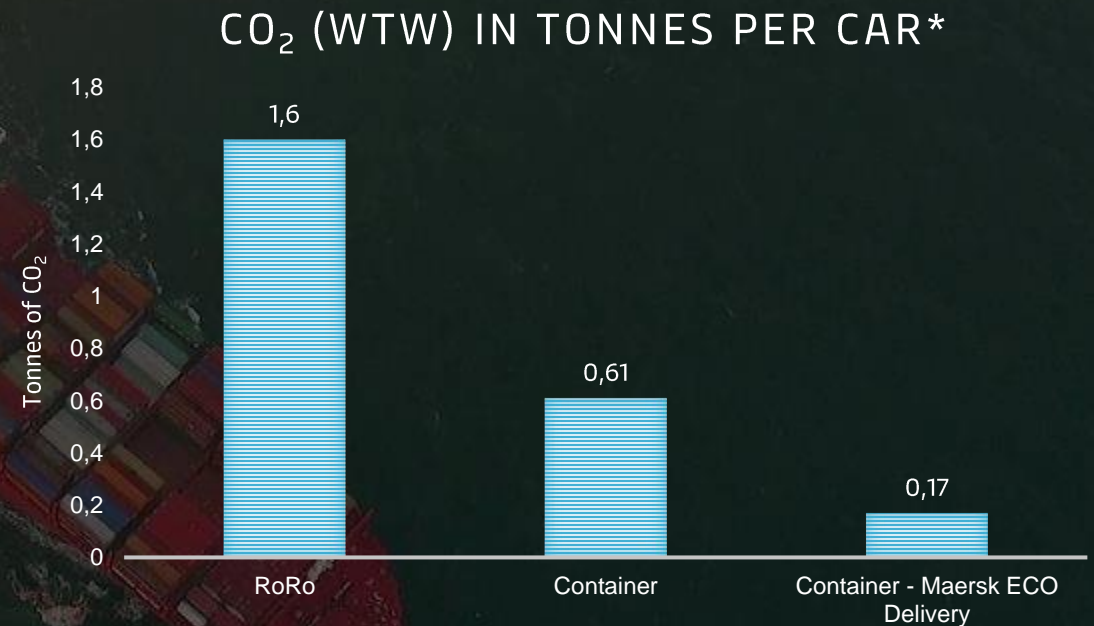- **16 tree seedlings**** grown for 10 years

*Data & Source:

- EcoTransIT World, 26th September 2023
- CO_2 data is well-to-wheel (WTW), incl. upstream fuel emissions
- RoRo = 1 vehicle at 1.9t weight carried on >5000dwt RoRo vessel
- Container = 1 x 40' Container carrying 3 cars at 1.9t weight each
- Maersk ECO Delivery = uses 2nd gen biofuel to replace fossil fuel

**Data & Source:

- United States Environmental Protection Agency, 2nd October 2023

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EU ETS (European Union Emission Trading System) Impact

➢ From 2024, carbon emissions from shipping will be in scope of the EU ETS. Costs will increase gradually from now until 2027

➢ Costs for Compliance are expected to be significant

➢ After phase-in period (2024-2026):

- **RoRo: 1.6t CO_2** emissions could attract up to **144 EUR** carbon cost*

- **Container: 0.61t CO_2** emissions could attract up to **55 EUR** carbon cost*

- **Maersk ECO Delivery** customers are **exempt from EU ETS charges**

➢ Therefore, **Cars in Container can reduce cost of compliance by 62%**

CO_2 (WTW) IN TONNES PER CAR*

Tonnes of CO_2

Category	Value
RoRo	1,6
Container	0,61
Container - Maersk ECO Delivery	0,17

Y-axis: 0, 0,2, 0,4, 0,6, 0,8, 1, 1,2, 1,4, 1,6, 1,8

* Assumes 100% global CO_2 emissions are taxed and 2023 average price level of EUA at 90 EUR / tCO_2.

EUA Price Source: https://ember-climate.org/data/data-tools/carbon-price-viewer/

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Maersk ECO Delivery Ocean:
Solves the scope 3 problem in an easy and credible way

The Ocean ECO Delivery product offers emissions reduced shipping based on biofuels enabling immediate and externally verified GHG savings for customers

How it works

Certified biofuel procured and blended by Maersk

Biofuel bunkered and updated on a mass balance log

CO_2 savings allocated to loaded ECO Delivery bookings

Audited and third-party verified CO_2 certificate issued

Customer benefits

Flexible & easy

Low investment

Credible

Impactful

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