



ZEUS

The Future of Freight.

Digitisation:
the critical cog in the race to net zero.

yourzeus.com

GLEC
GLOBAL
LOGISTICS
EMISSIONS
COUNCIL



Sustainable
Freight
Buyers
Alliance

Our global problem

In 2021, HGV road freight emitted

400,000,000,000+ kg CO₂

6,000,000+ HGVs on the road in Europe every day.
25% running empty.



The urgency

- **Legislation**
- **Existing public pledges**
- **Consumer pressure**

EXAMPLE: EU's 'Freight Vision' project, using backcasting techniques to model a forecast that accounts for advances, new policies and action, still concluded emission targets would be a struggle to meet.

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This is not doom and gloom, **this should be motivation to do more.**

The Zeus view

Change needs to accelerate.

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There needs to be a new formula: a tech-driven, human-supported model that creates a new universal standard in sustainable freight.

Modernisation



System Innovation



System innovation in the middle mile

Transformation in the 'middle mile' can be divided into two key areas:





Delivering real carbon reductions

Results of our green multimodal transport solution.

Reduced carbon emissions by 293,296 Kg (293 tonnes) - 1,900,000 KG (1900 tonnes) p.a.
Annually, that's the equivalent of **31,417 conifer trees absorbing carbon for 10 years!***

Existing Transport

Per KM

→ Diesel Road Freight	137-154g
→ Rail*	24g
→ CARBON EMISSIONS	

Using Zeus

Carbon Reductions

→ HVO Diesel**	70%
→ More Rail Freight	94%
→ TOTAL PILOT CO2 SAVINGS	84%

'Major' FMCG Client

8 weeks - 240 loads
Inter-European lanes

**HVO fuel can deliver 90% less carbon emissions than diesel. For this pilot we used a conservative -70% rule to account for driving behavior, terrain, engine state, and truck type.

* According to official EPA.gov carbon equivalency calculations.



Building a Sustainable Freight future

Creating a modular system to deliver a new universal standard in commercial sustainability.



❖ Roadblocks to sustainability

- Need standardised bio-fuel supplies
- Infrastructural needs
- Commercial commitment (this is key)

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Zeus has proven that

WE CAN SIGNIFICANTLY REDUCE EMISSIONS
with existing technology and transport.

Thank You!

Let's make the future of freight a sustainable one.

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