



einride

Intelligent Movement



Shippers are dealing with several challenges



~7%

Road freight transport is one of the fastest growing contributors of greenhouse gas emissions globally.

eCommerce accelerate the trend



Current market dynamics is build around diesel-trucks



Lack of digitalization in large parts of the transport industry

~0

Very few carriers can provide cost competitive and/or electric & autonomous transport.

There are few options on the market, yet



Governments banning diesel options in cities



Electrification and automation requires centralized approach

Carriers are dealing with several challenges



~100%

All Shippers know they have to change to Sustainable Logistics for Fair Transport and their own growth!

Not all have a plan

~0

Few end-Consumers want to pay additional for sustainable and innovative transport solutions!

Incentivise progressive Carriers



Radical Tax incentives needed for innovative & progressive Carriers



Lack of digitalization incentives for the transport industry



Very small options to reduce cost for sustainable transport



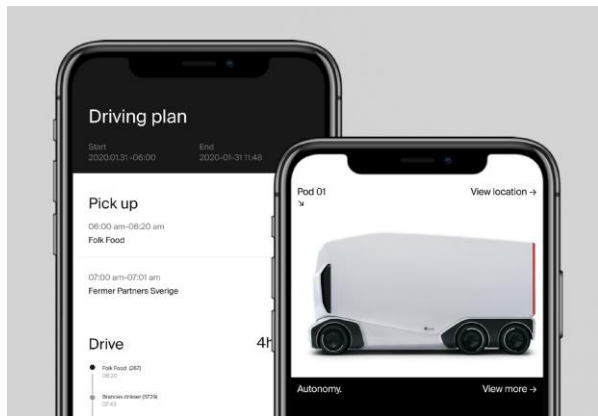
Electrification and automation requires centralized support!



Einride's mission

Create sustainable solutions for movement

Solutions, Services and Benefits



Access to Freight Mobility Platform

Plan, execute and operate a fleet of Battery Electric and/or Autonomous Electric transport vehicles

Live in operations:



Electric shipping

Europe's largest fleet of heavy electric trucks. Connected vehicles. Routes planned, executed and tracked through the platform.

Pallets shipped
60,450+

Km driven
158,000+



Autonomous Electric shipping

SAE level 4 self-driving
No safety driver
Remote operations 1:10

Kg CO2 savings
204,000+



Autonomous Electric shipping

First all-electric autonomous transport vehicle to operate on public road and up to 85 km/h

Installations with selected customers

Scale-up in 2021 and industrialization 2023

Environmental sustainability

90% CO₂ reduction and 0% other air pollutants in road freight compared to diesel

A close-up, grayscale photograph of a car's rear wheel and fender. The wheel features a multi-spoke hubcap with a central logo. The fender has a distinctive, angular design. The text "Facts and Figures" is overlaid in white on the left side of the image.

Facts and Figures

Facts and Figures

Secure Movement of the POD is created by overlapping surveillance systems

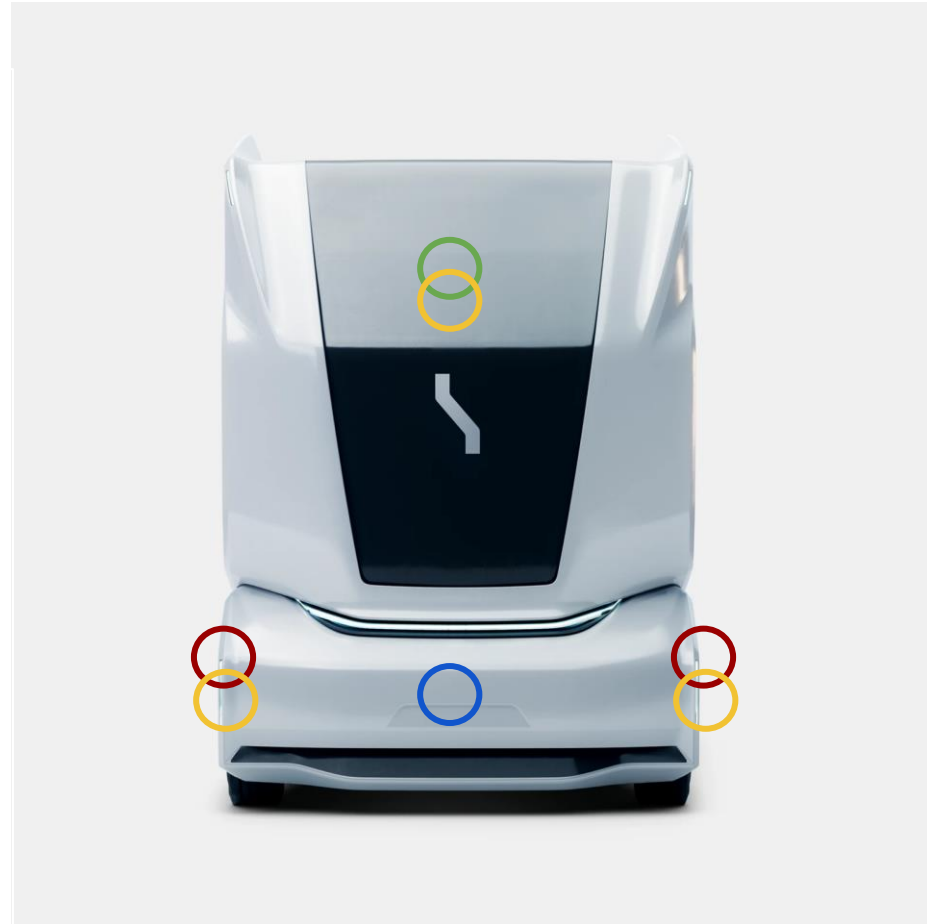
3 levels + 1 Sensors:

- Camera (Vision & Information reading)
- Radar
- Lidar (Laser)
- Infrared IR (Night Vision)

The Computers & Communication:

- Radical Computer capacity for patented solutions & use of Machine Learning
- 4-5G enabled
- Einride own Geo-solutions

Operator & Control Tower



Facts and Figures

Load and distance:

- 18 pallet
- 4x2 Rigid
- 150-170 km reach
- 100% electric

Other factors:

- Which lanes are suitable for electrification & autonomous transport?
- What are the environmental gains?
- What is the implementation roadmap over time?
- Where to install own charging stations or use public charging station?

Outside einride control:



Autonomous drive operations and capabilities



AET 1

Available now

Closed facilities with predetermined routes and a controlled environment.

Operational Speed

< 20 km/h

Requires permit

No

Application

Fenced

AET 2

Available now

Short shipments on routes that utilize public roads as well as fenced areas.

< 20km/h

Yes

Nearby/Industrial

AET 3

Available 2022

Deliveries between destinations on established back road routes with limited traffic.

< 45 km/h

Yes

Rural

AET 4

Available 2023

High-speed operation on major roads and highways between shipping destinations.

< 85km/h

Yes

Highway





For more information and pilots projects:
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