



Electric and Autonomous only make sense when going full PI
Per Olof Arnäs, PhD – Director Logistics Strategy, Einride



We are a freight technology company pioneering a new era of road freight by building a sustainable, safe and smart end-to-end shipping solution.

What's driving change in transportation vs. the solution



The climate



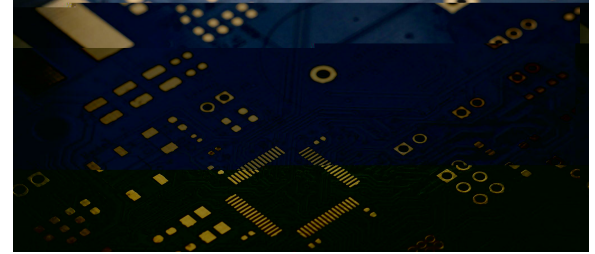
Electric Transport Service



The industry



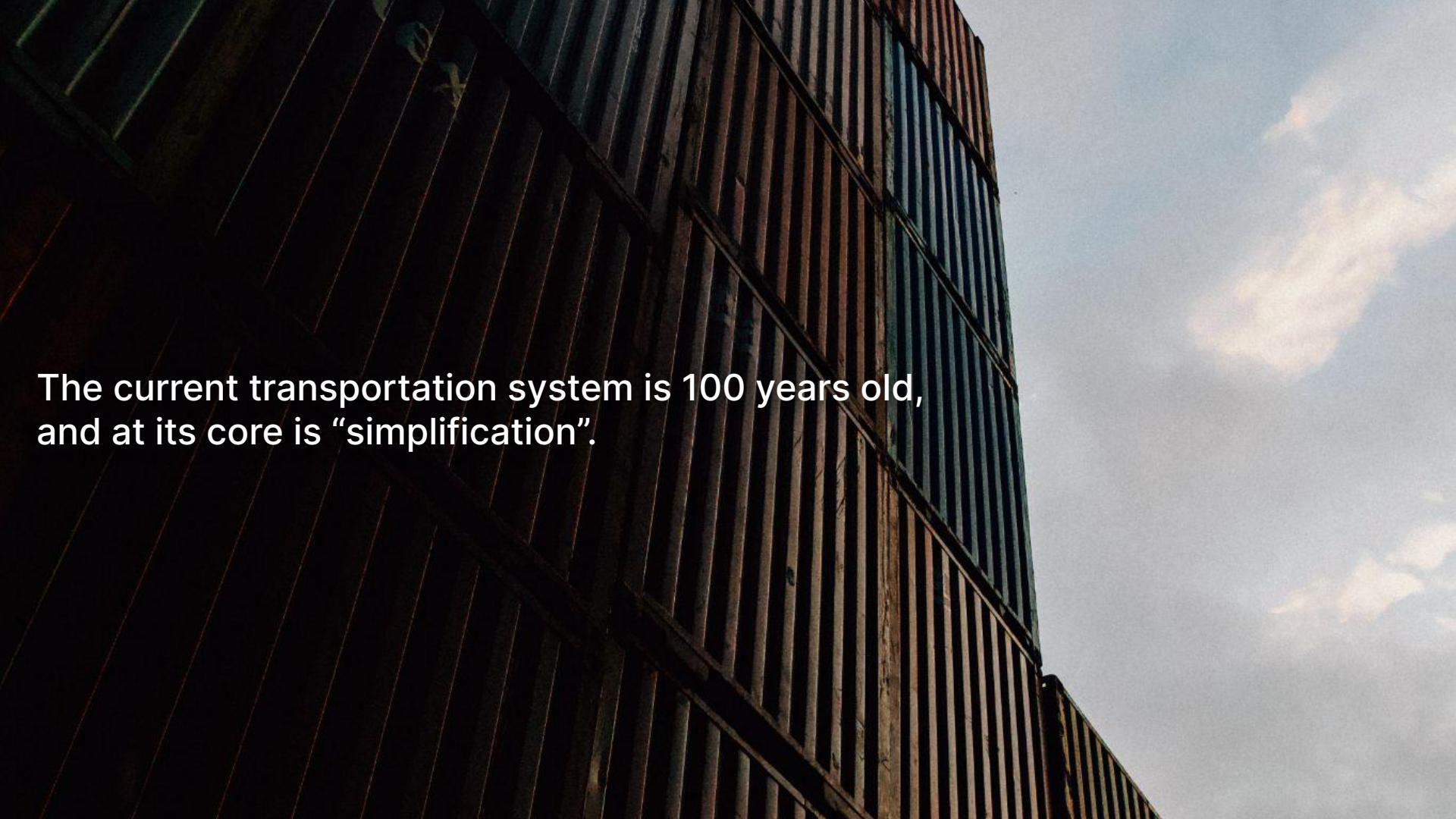
Freight Mobility Platform



New technology



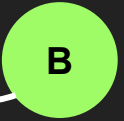
Autonomous Electric Transport

A low-angle, upward-looking shot of a tall, dark, corrugated metal structure, likely a shipping container or industrial building. The structure is composed of vertical corrugated panels and horizontal metal beams, creating a strong geometric pattern. The lighting is dramatic, with the structure appearing mostly in shadow, while the sky to the right is bright with scattered clouds. The text is overlaid on the left side of the image.

The current transportation system is 100 years old,
and at its core is “simplification”.

And when we go electric
we introduce a new level of
complexity...

Planning for ICE vehicle



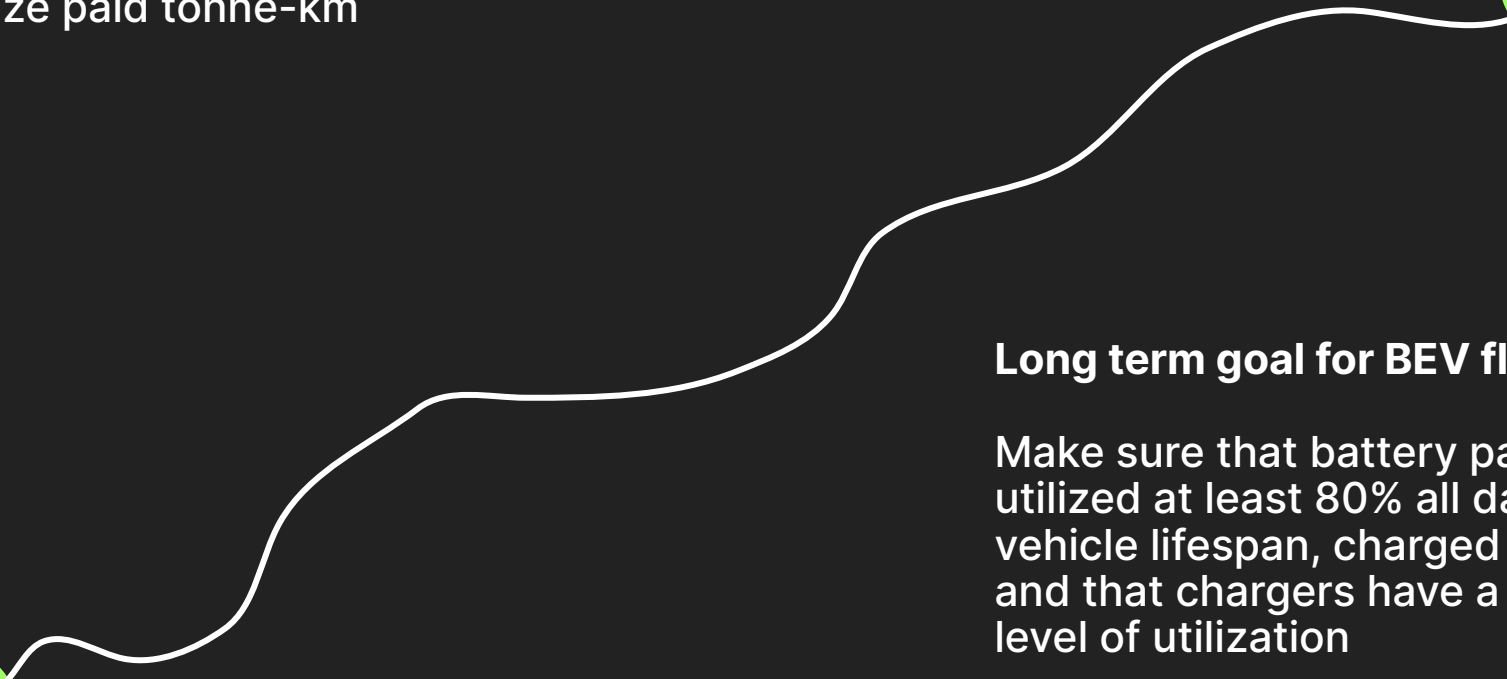
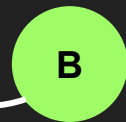
Planning for BEV vehicle

Weather
Charging
Battery size
Driving speed
...



Long term goal for ICE fleet

Maximize paid tonne-km



Long term goal for BEV fleet

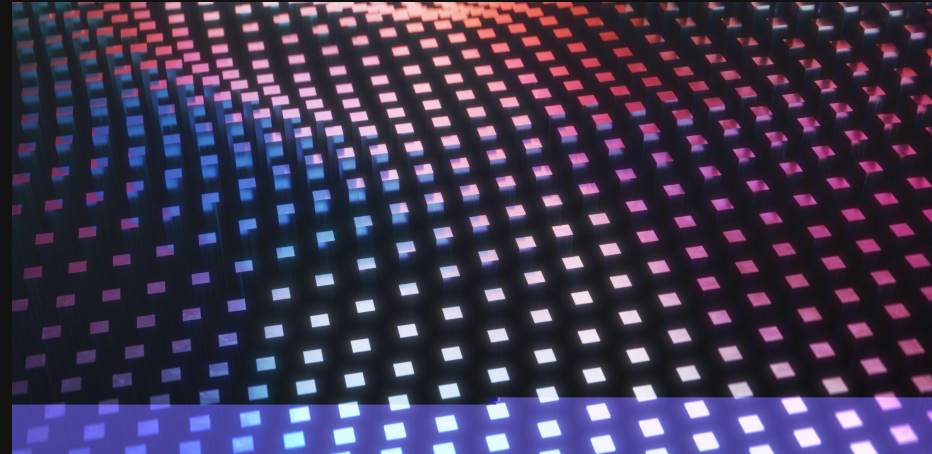
Make sure that battery pack is utilized at least 80% all days of vehicle lifespan, charged locally and that chargers have a high level of utilization

...and maximize paid tonne-km

Physical vs. Digital first

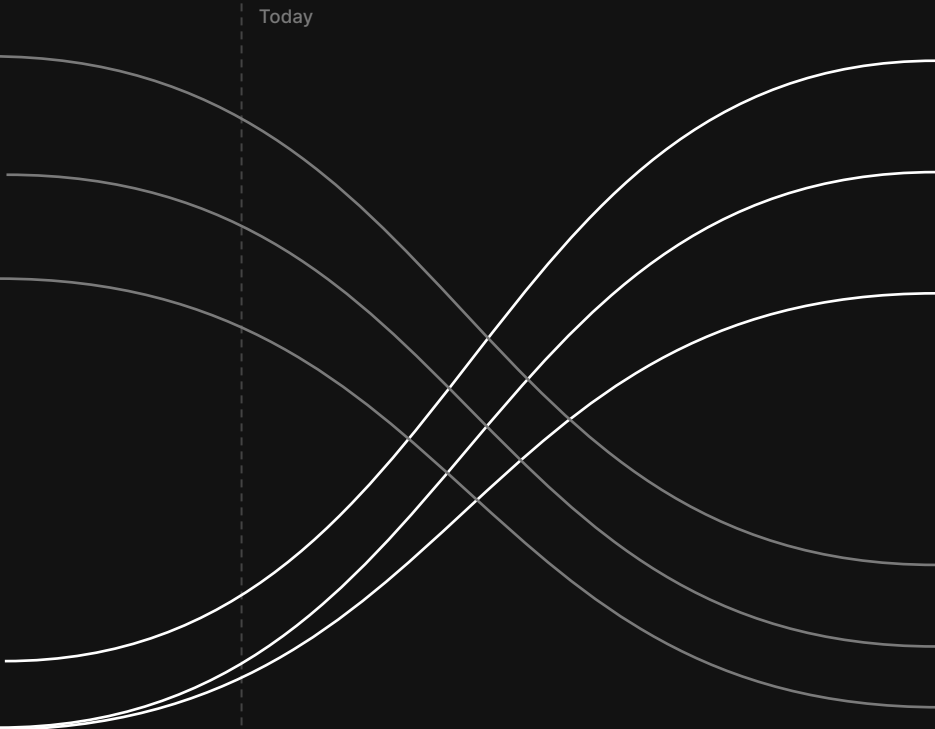


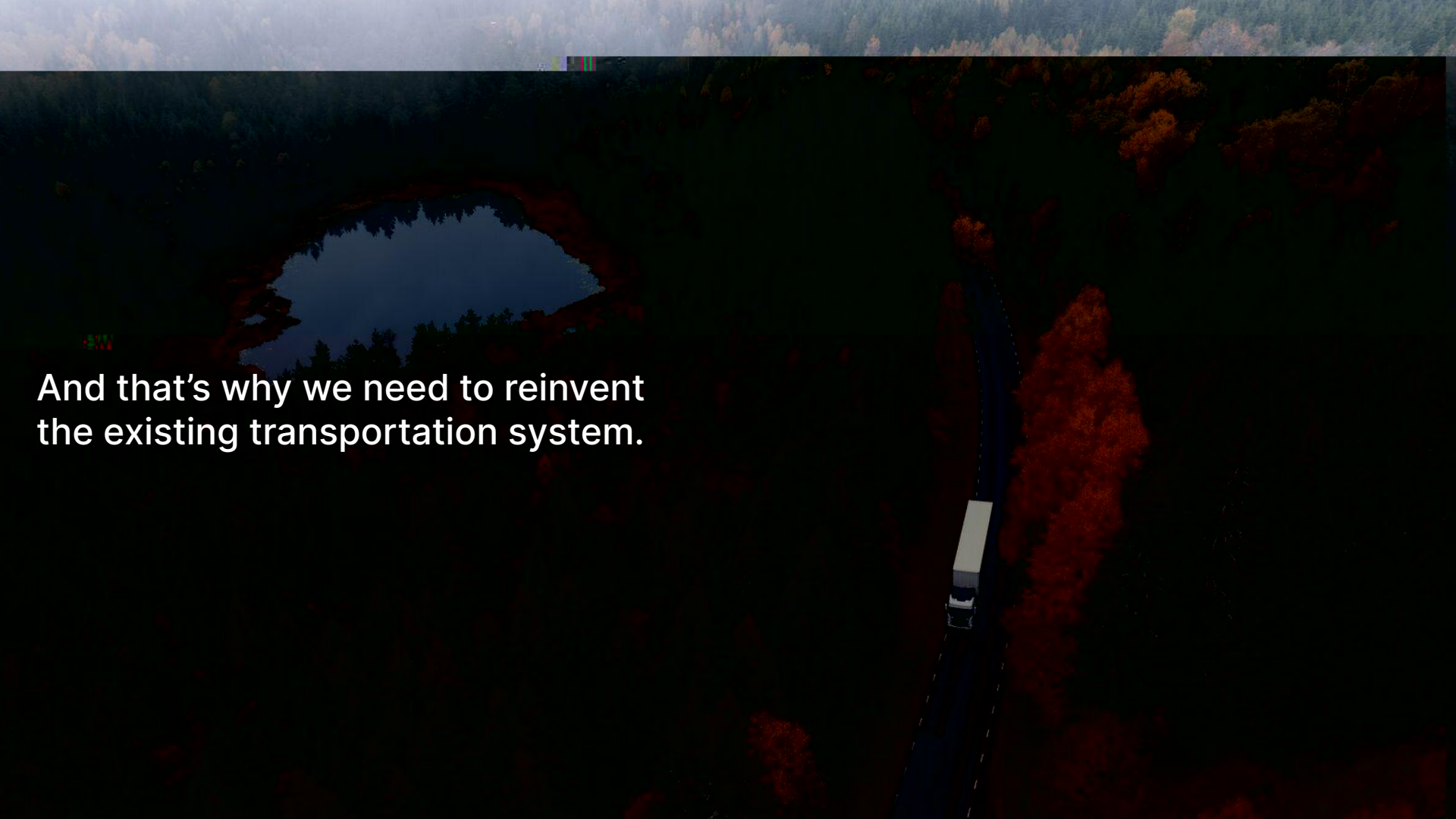
Physical first



Digital first

Disruptive change is coming in many areas



An aerial photograph of a winding road through a dense forest. The trees have vibrant autumn foliage in shades of orange, red, and yellow. A small, calm pond is visible on the left side of the road, reflecting the surrounding trees. A white semi-truck is driving on the road, which is marked with a dashed white line. The sky is overcast and grey.

And that's why we need to reinvent
the existing transportation system.

But how?

An entirely new product ecosystem



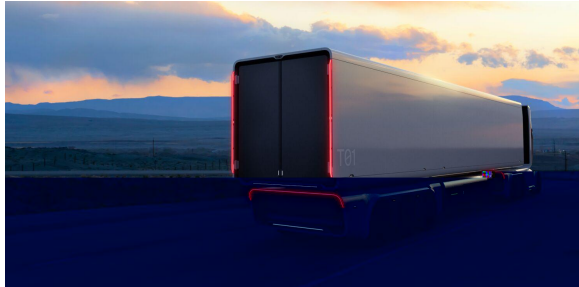
Autonomous Gen 2



Remote Interface



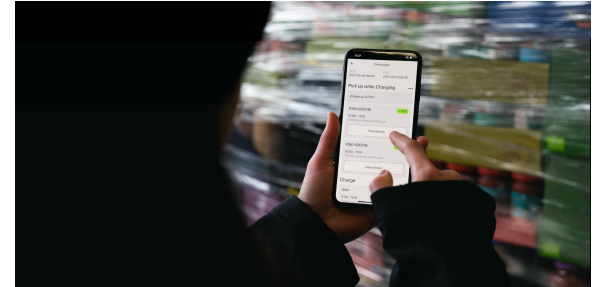
Einride Truck



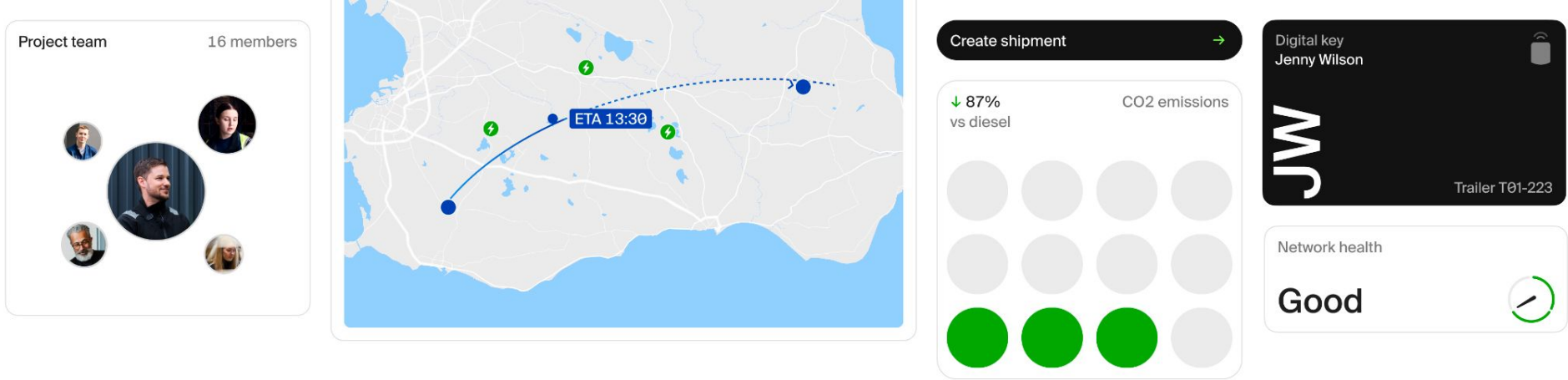
Einride Trailer



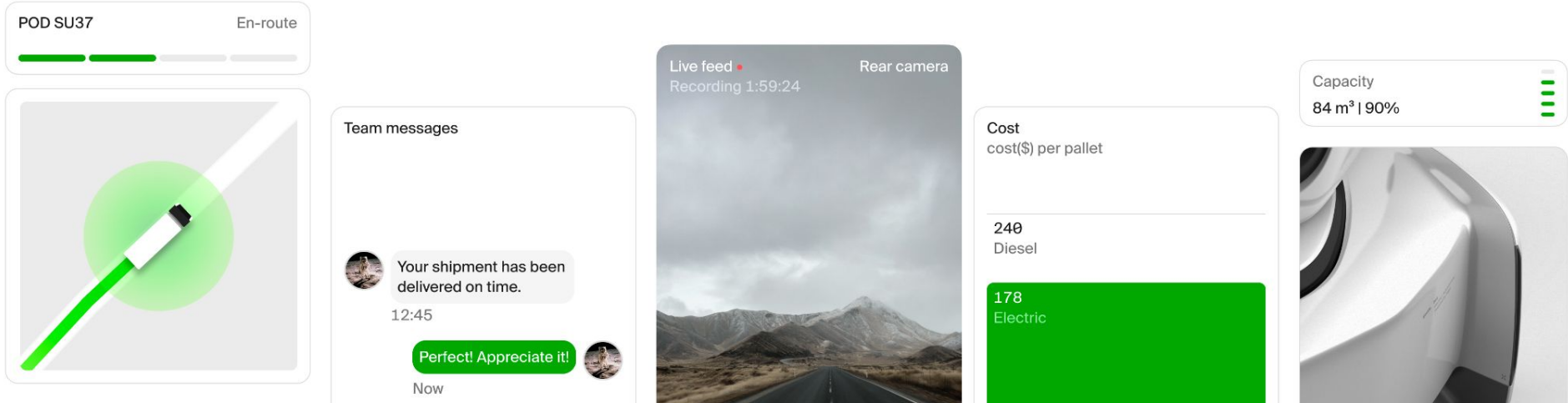
Einride Charging

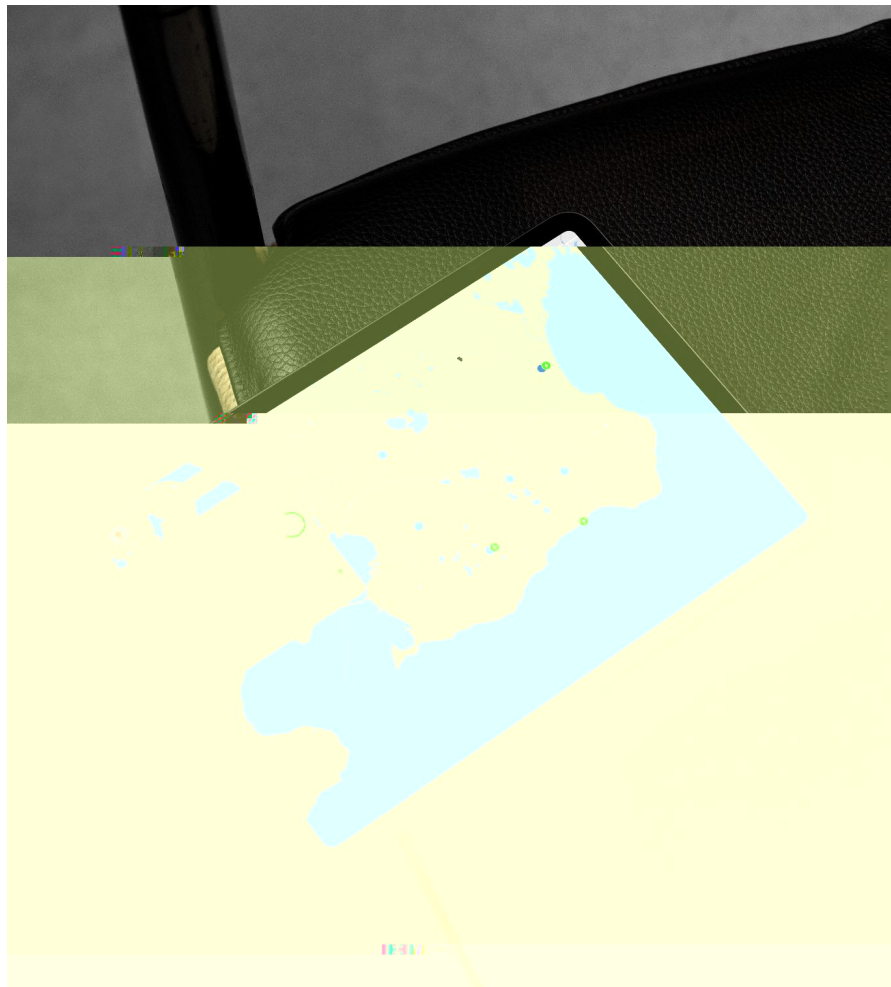


Einride Saga



Einride Saga





**Fueled by data and powered by AI,
Einride Saga coordinates all parts of
the transport ecosystem to deliver
transformational change.**

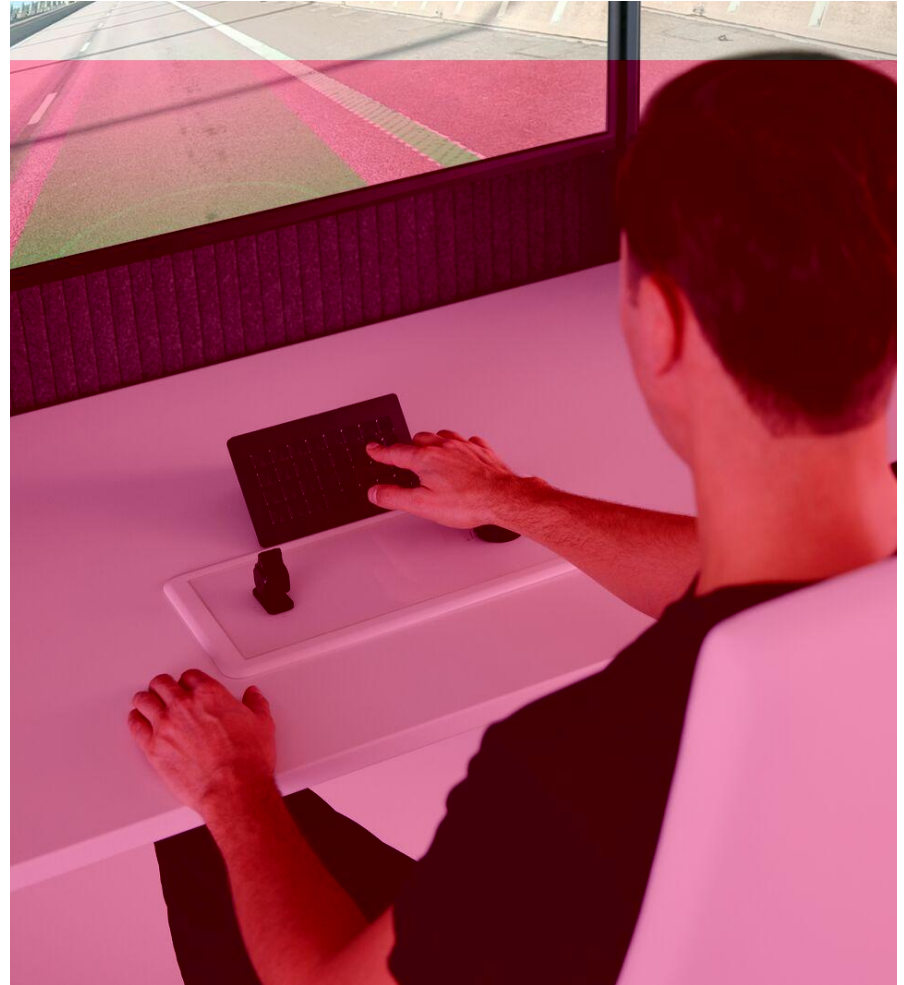
Autonomous vehicles

100% electric and fully autonomous, with no cab. Every vehicle in the fleet can be remotely monitored and controlled. The first vehicle of its type to be operated on a public road (Sweden, 2019).



Human-led autonomy

A new way forward. A more consistent work environment, closer to home. Introducing trucking's new career path.



A new kind of trucker

Remote operators ensure there's a human in the loop for Einride's fleet of autonomous electric vehicles.



Remote Interface

Introducing a new kind of workstation. Where Einride's electric-autonomous vehicles are live-monitored by remote operators.





Einride Charging

Purpose-designed and easily accessible charging solutions, including autonomous and manual variants.

Einride Saga automates charging schedules for extended battery cycle life and to ensure vehicles are ready for the shipments ahead.



Keeps your fleet moving

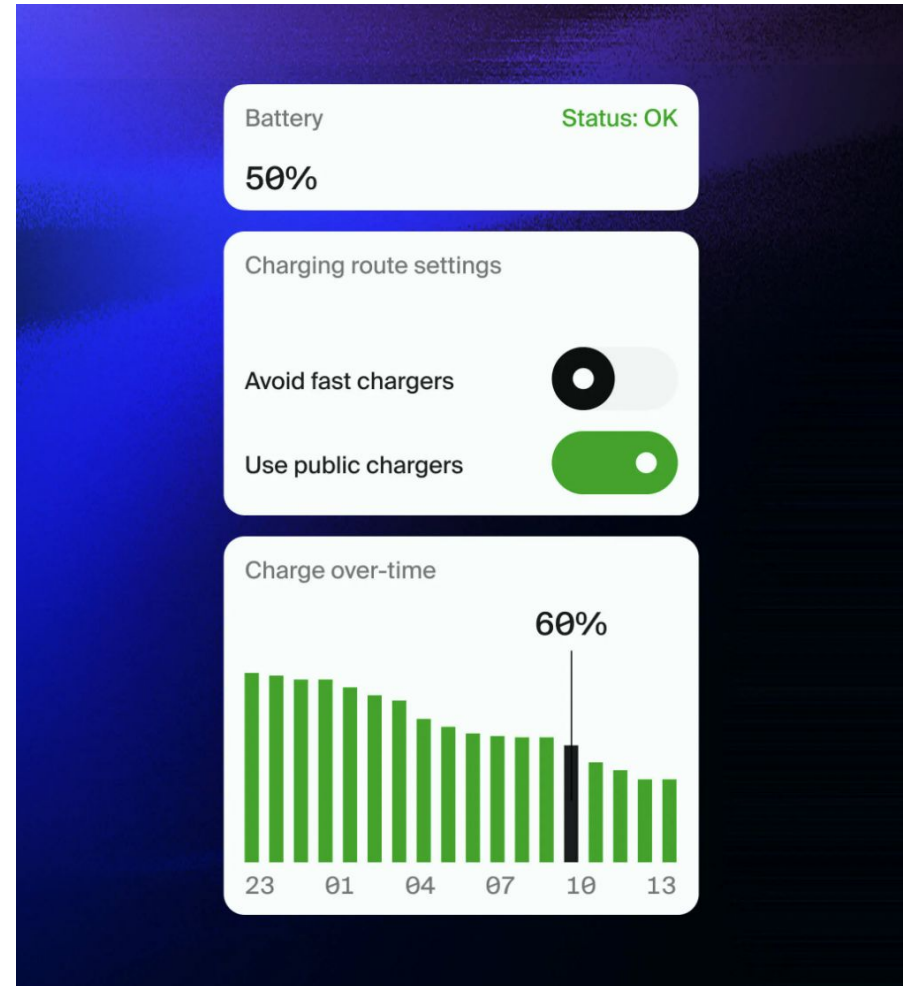
Easily accessible charging solutions that maximize on-road time and boost profitability.



CMS & Einride Saga Charging

The Charging Management System, CMS, is the software installed in the charger to allow communication between the charger and Einride.

This will allow integration with SAGA to book, plan, and keep an eye on your current and past charging data. Vehicle - Charger - SAGA communication is key to optimize customer operations and increase reliability.





Grids

The first-of-their-kind ecosystems that pull together all the advantages of digital, electric, and autonomous transportation to unlock capacity in strategic regions.

Einride grids

3 continents

8 countries

?



View

Global



Capacity potential, tonne-km

↑21,995M

Estimated CO₂e savings, tonnes

↑1,171,333

How do grids unlock efficiency?

Asset Pooling



Asset Utilization



Battery and charging optimization



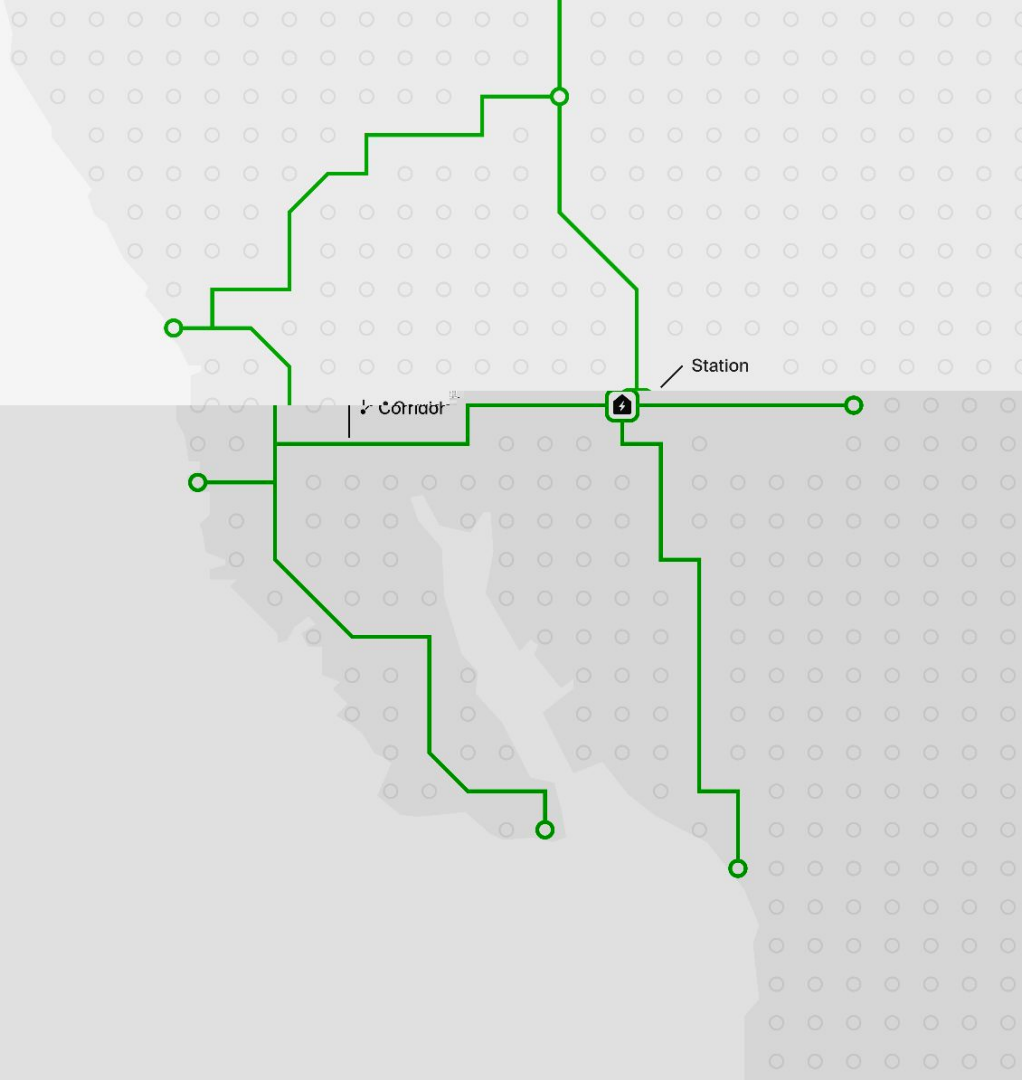
Long-haul electric transportation



Grids

Powering freight mobility

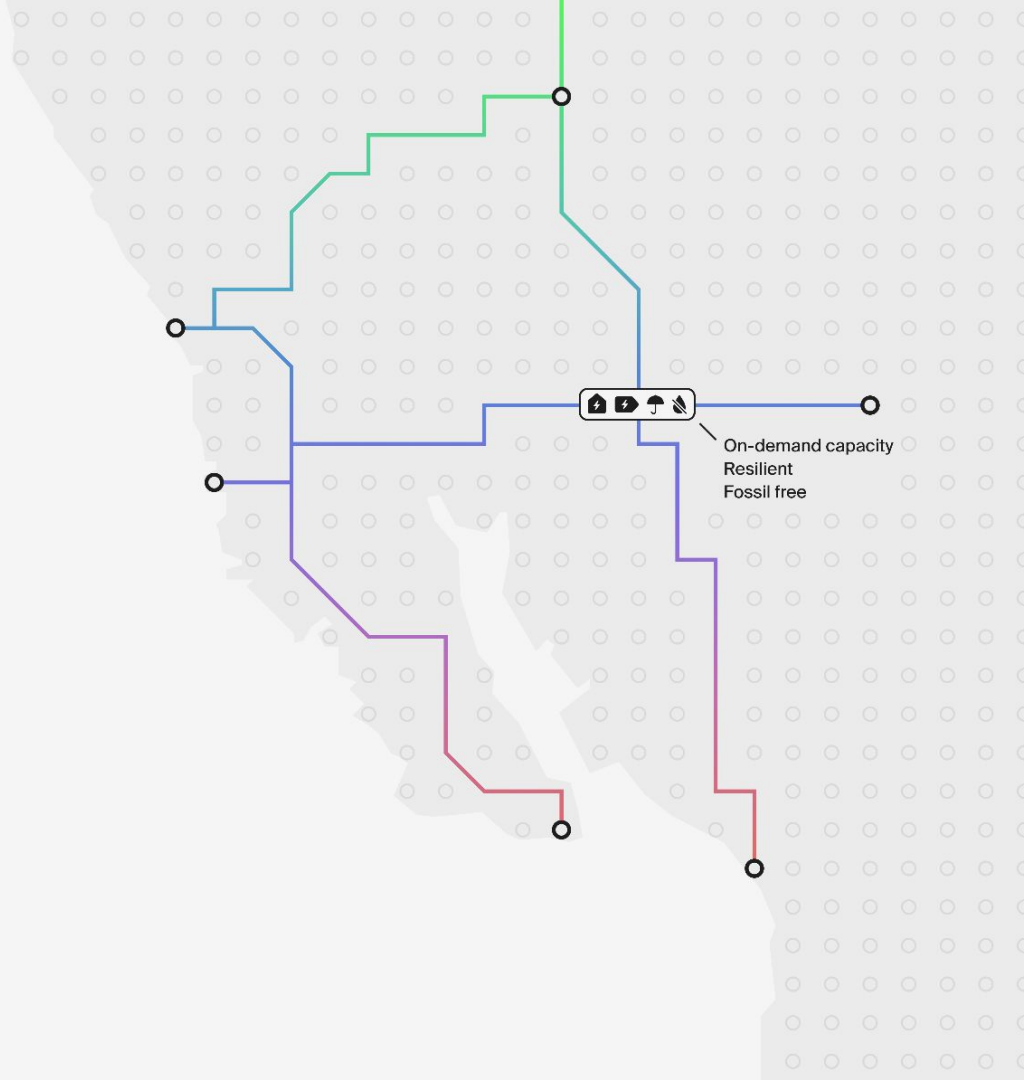
The grids are based around a network of green corridors. Goods are transported by electric or autonomous electric vehicles.



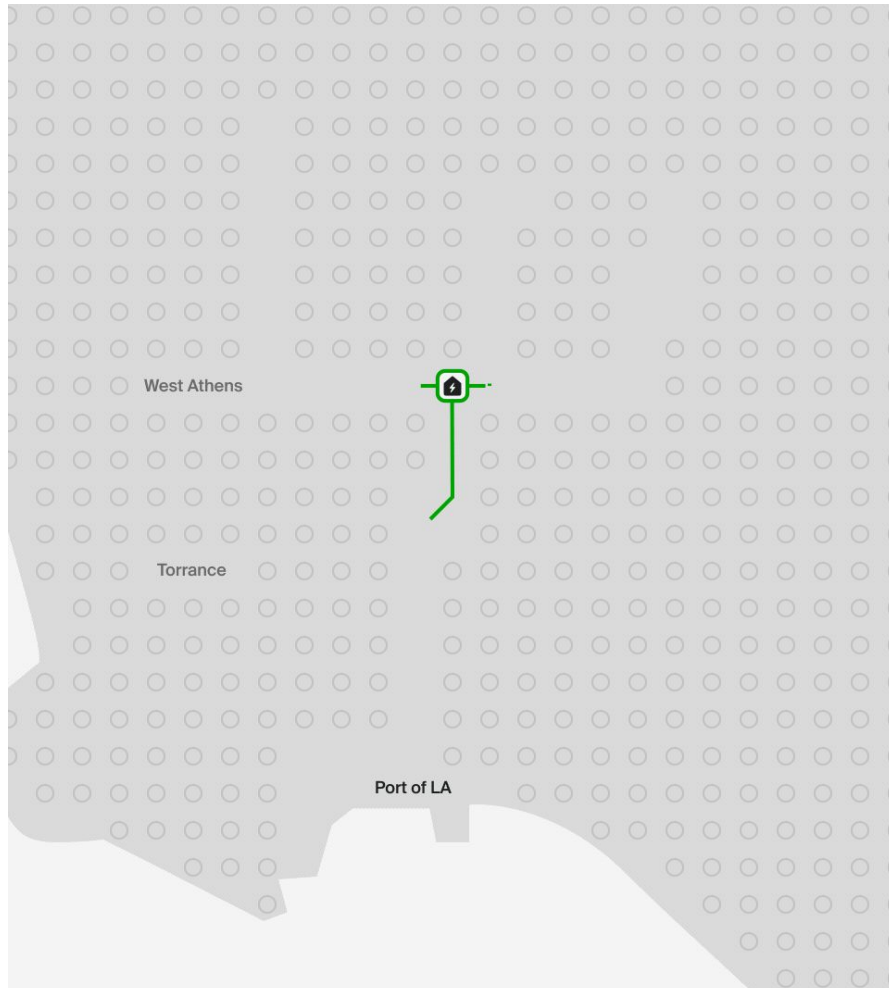
Grids

Accelerating electrification

Einride Saga's data and AI bring each of the grids to life, coordinating every facet of the ecosystem – from fleet charging to dynamic route planning.



Sunset Landing Los Angeles



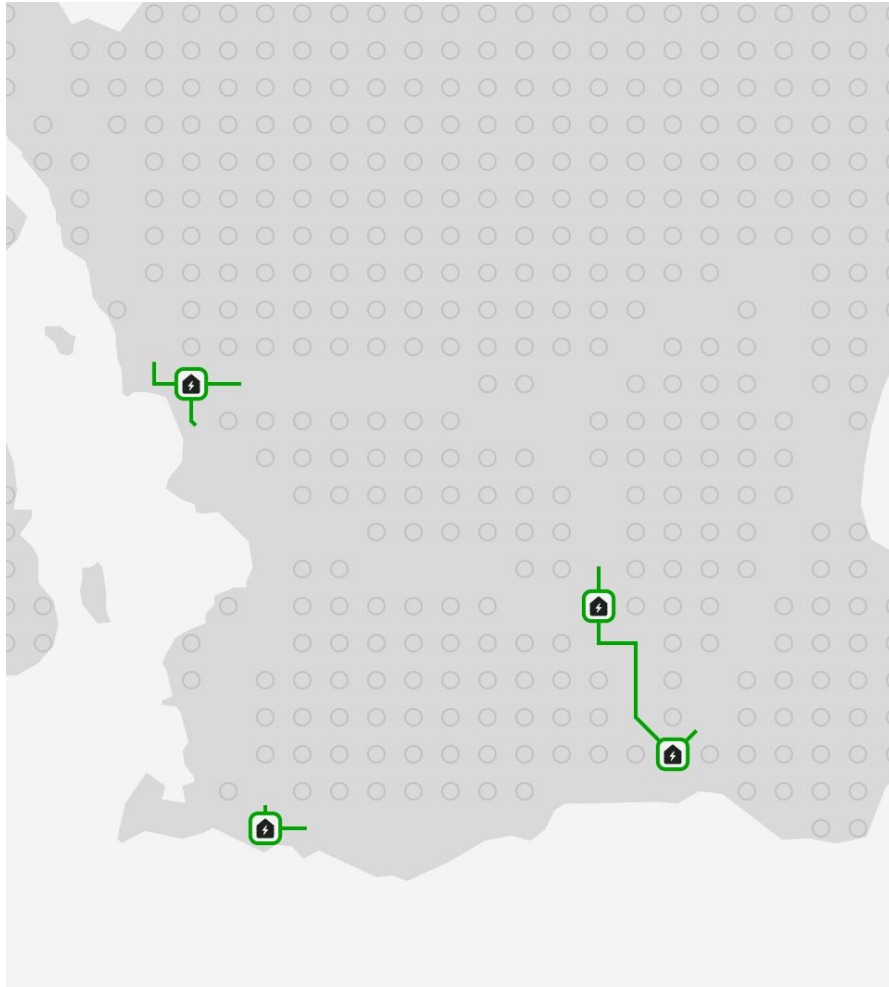
Sunset Landing helps address the congestion and inefficiencies hindering the ports of Los Angeles and Long Beach. The grid is designed to enable higher fleet productivity, cleaner air quality, and shorter wait times for drivers.



The Einride Station in Los Angeles
In development

Fresher Way

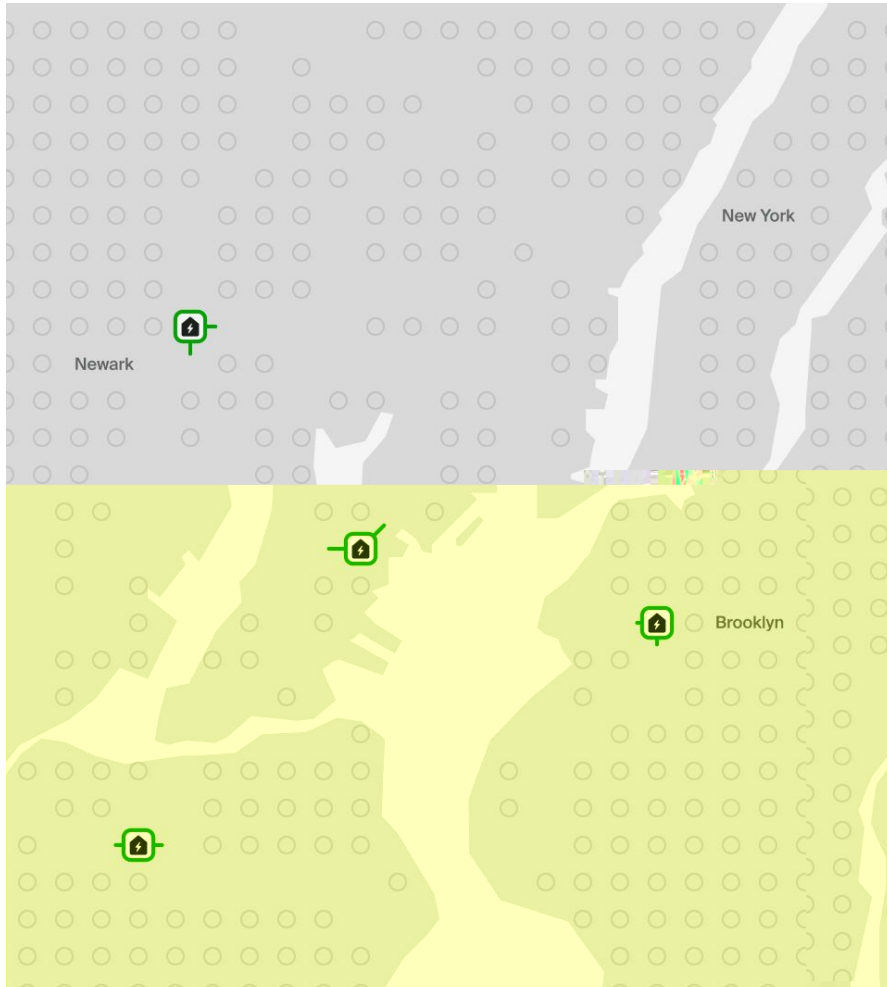
Southern Sweden



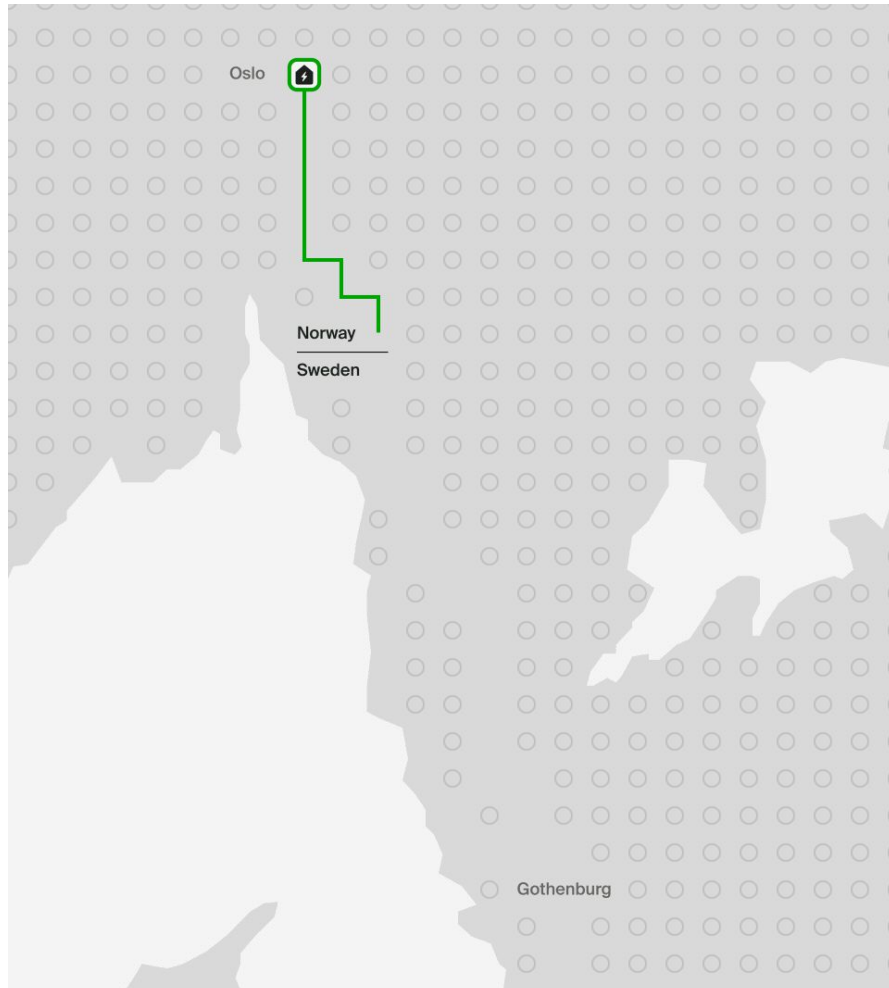
Fresher Way is the foundation for a fully electric food transport chain – one that offers high capacity utilization, increased efficiency, and shorter driver shifts.

Empire Gate

New York Tri-State



Empire Gate provides improved operational efficiencies and creates economic value from its use of existing infrastructure in the New York Tri-State area. Through the sharing of freight load capacity, this grid can reduce traffic congestion by up to 25%.



Nordic Link

Sweden → Norway

Nordic Link is part of a world-leading, publically supported project designed to streamline the rollout of autonomous vehicles in Europe. The wider project encompasses Rotterdam to Oslo – port to port.



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