

A large industrial crane is lifting a grey container from a ship at a port. The crane's massive steel structure dominates the upper half of the frame. In the background, a stack of colorful shipping containers is visible, with labels for 'SEA LOGISTICS', 'OFFSHORE HAUL', 'SEARIZON', and 'NTD'. A large black ship is docked at the pier. The scene is set during the day with a clear sky.

NEVOMO INTO THE FUTURE.

IRSC Conference
September 2024

World of mobility is at a turning point

How should we satisfy the transport demand which is set to triple by 2050?

Solution?

More planes?

More trucks & cars?

Or a shift to rail?



**Share in
transport CO2
emissions**

12%

75%

1%

Issue

Over congestion

Over congestion

Underutilization

[WATCH VIDEO >>](#)

Traction mode problem

Breaking distance 8x longer than on road

Effective capacity, frequency & flexibility too low

1 Credits: TC Rail & YouTube: <https://www.youtube.com/watch?v=uTGimWF041g>

Roadmap: upgrade from legacy towards interoperable, frictionless future

MagRail allows a phased-in upgrade of legacy railways with components implementing automation, electrification & full digitization

Nevomo's digital bridge systems:

Commercial FOCUS

Product upgrade after 2030

Legacy



upgrade
»»

MagRail Booster

Initially
freight-oriented



120 kph | 75mph
330kph | 205mph²

« Linear motor »
Magnetic
levitation

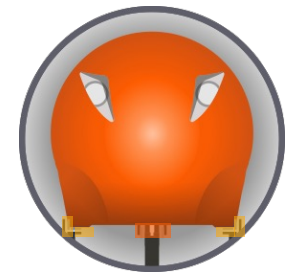
MagRail

Primarily
passenger-oriented



160kph | 100mph
550kph | 340mph

compatible³
»»
with:



600kph | 375mph
1200kph | 745mph

Potential product extension
after 2035

Hyperloop

**Vacuum rail
of the future**

New digital components to upgrade legacy tracks

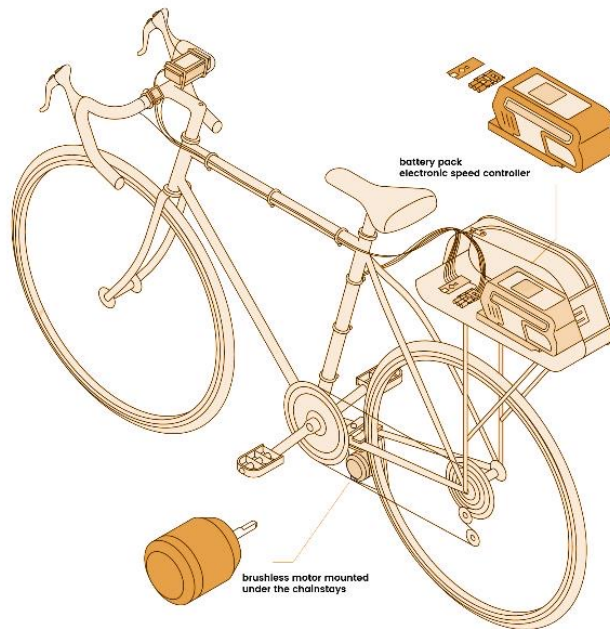
Cargo: 120kph | 75mph
Passenger: 330kph | 205mph
**Analog & hard to fully
digitalize**

² Interoperable or interconnected

³ or even 360 kph | 225 mph, which is currently planned on the fastest High-Speed Rail lines in Europe

We must retrofit legacy assets first!

We can turn any rail into MagRail – as easy as a bike can be turned into an e-bike

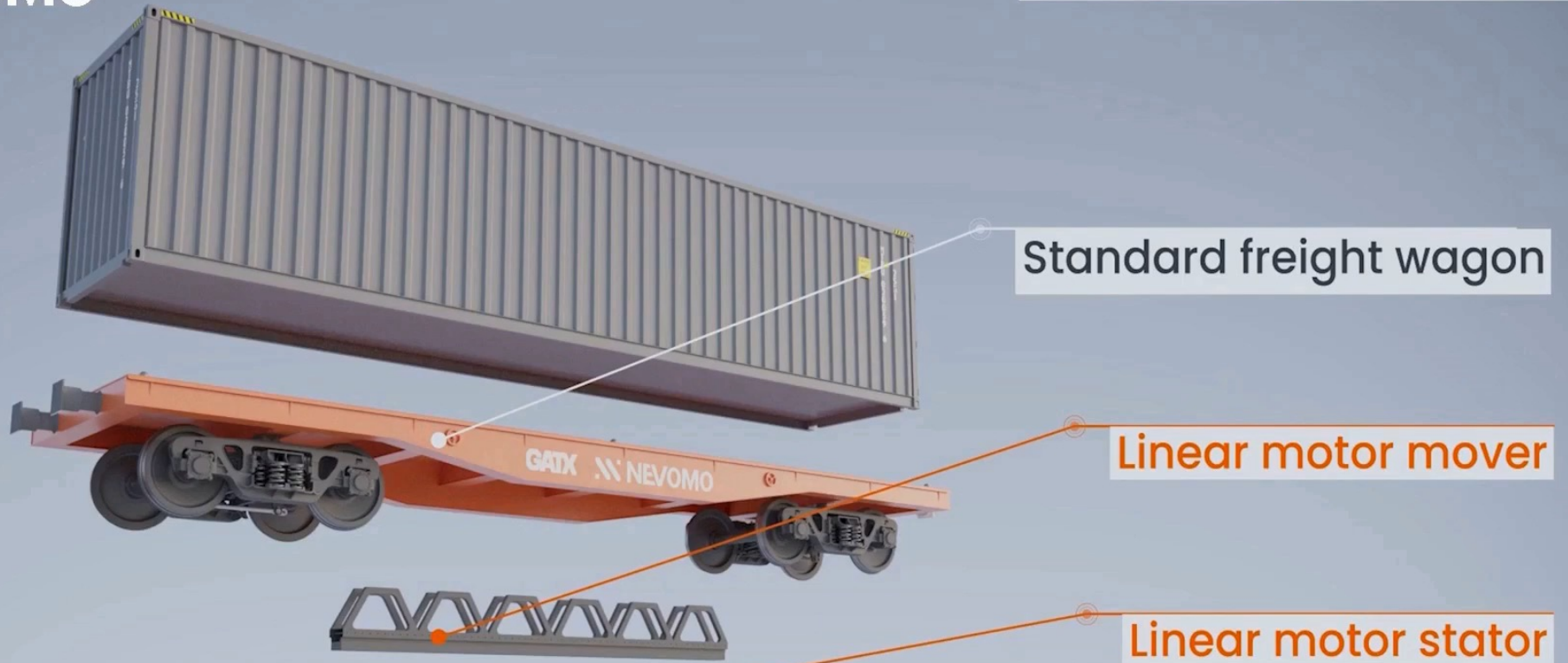


**Compatibility with existing
eco-system**

Years instead of decades

**Minimizing land footprint &
use of resources**

1. Cargo MagRail Booster



Conventional infrastructure

1 Credits: Nevomo & YouTube: https://www.youtube.com/watch?v=g9cL9pre_g4 & https://www.youtube.com/watch?v=CQOEP7_euXQ&t=18s