

Hyperloop is happening now

Continents & NGO's



World Economic Forum marked hyperloop as tech of the future **Europe** is leading



EU included **hyperloop** in its **Smart Mobility Strategy**and **invested €15 million in Hardt Hyperloop,**Europe's leading hyperloop company



\$1.2 Trillion infrastructure Bill includes and enables **hyperloop** investments

Countries & Cities

Wales **stopped any new road** buildings

Highway expansions disputed everywhere

France,
Germany & Spain
want to **ban short flights**

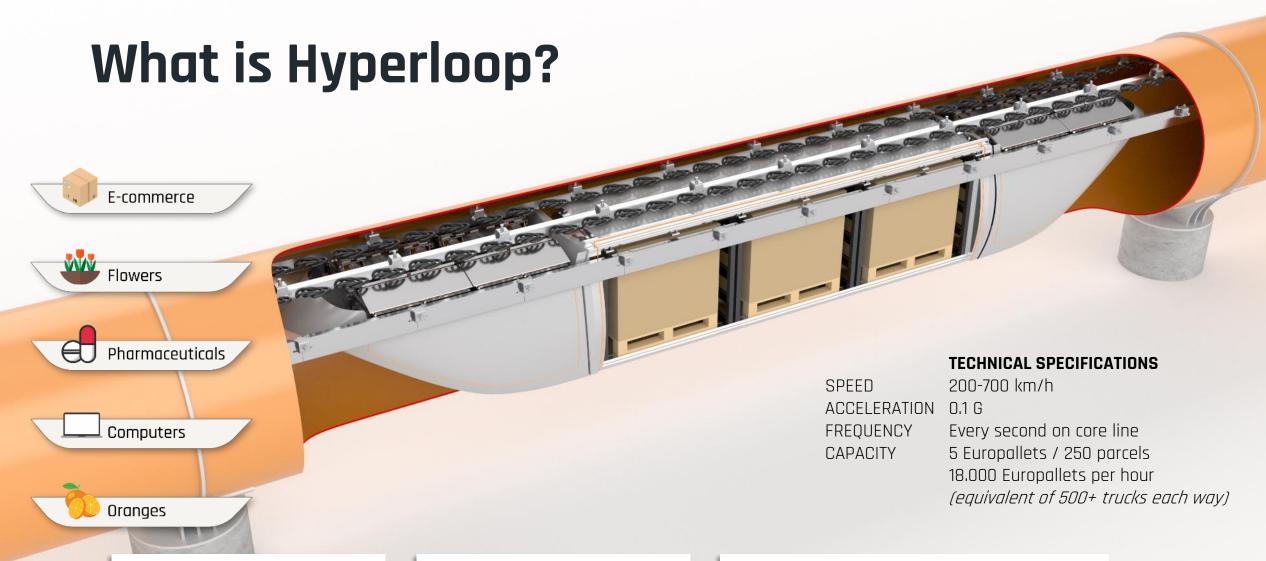
Texas, Pennsylvania, Alberta & Saudi Arabia have hyperloop in **city planning**

Companies & Universities

✓ **13** hyperloop test centers

√ 43 hyperloop studies published

✓ 71 Universities & R&D institutes



Transport in a lowpressure pipe system Magnetically levitating and propelled

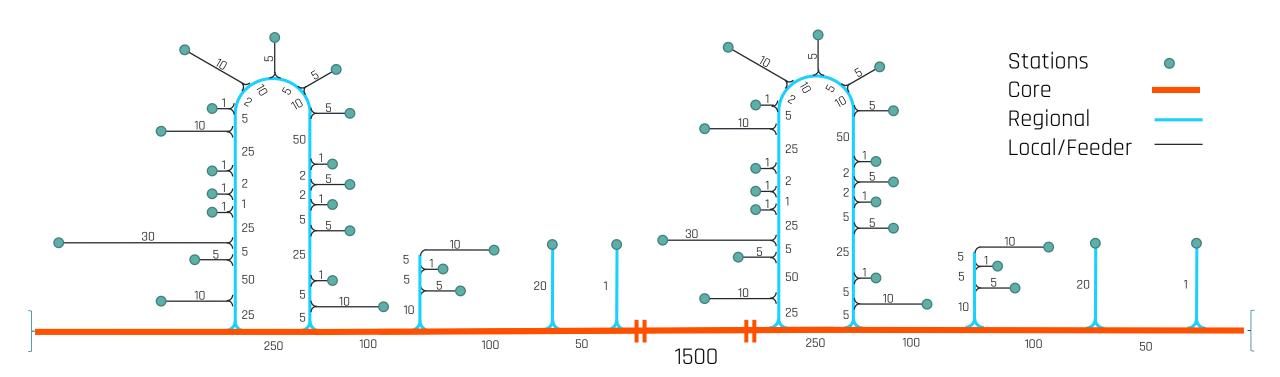
Infrastructure can carry both passengers and cargo

The Hyperloop network

'The Highway Principle'

Hyperloop ensures a continuous flow

hoover here to click on play



THE ECOMMERCE LOGISTICS CONUNDRUM

Challenge #1: increasing customer demands

- On-demand / same day delivery
- Growing parcel volumes



Road transport increases by 60% until 2050

Challenge #2: better use of limited space

- Lack of space in urban areas
- Emphasis on improving living environment

Challenge #3: decarbonization of transport

- GHG emissions must drop 60% below
 1990 levels
- Long haul hardest to decarbonize

Long haul hard to decarbonize

Growing distance between fulfilment center and customer







	Regional Hub	Local Hub	Urban Hub	Direct Connection
Catchment area	0000	0	00	0
Footprint	000	00	00	Ο
Throughput	0000	00	0	00
Traffic around hub	000	0	00	0

Cargo Hyperloop hubs

oooo = large/high; o = small/low

Cargo Hyperloop Holland: a hyperloop along the busiest freight corridor in the Netherlands

- Costs to build the corridor: 1.5 bn Euro (5-14 mio Euro per km) economically viable. First section operational before 2030
- Timproves logistics efficiency and access to market
- 1.3-1.9 bn Euro of added value
 Reduction of 2,500 trucks per day on A4 highway
 Reduces CO2 by 1 mio tonnes in 2050
 Creates 18,000 jobs

Over 30 key stakeholders co-develop this route together with Hardt

Agora GACN Amsterdam Area amsterdam logistics

BACS DDUMENORANGE DUTCHFLOWER

SYSTEM

EURO POOL
SYSTEM

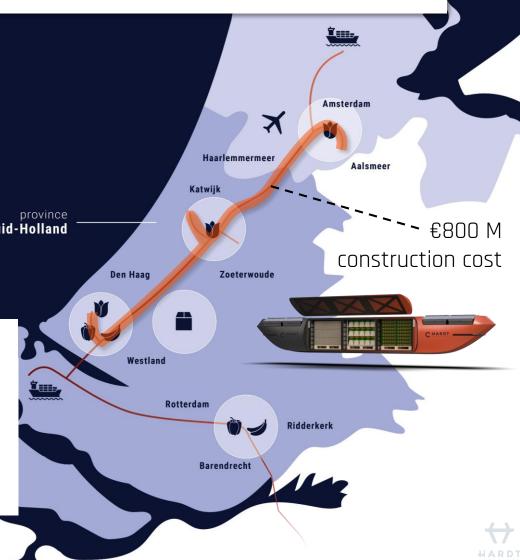
Port of Amsterdam

Postni

Port of Amsterdam

Postni

Post



Hyperconnected Europe – get on board!



Hyperconnected Europe

The world's smartest, greenest and bestconnected city cluster – powered by hyperloop

What can hyperloop mean for your city?

Project will kick off in November

Find more:

https://hardt.global/

