





cutting through complexity

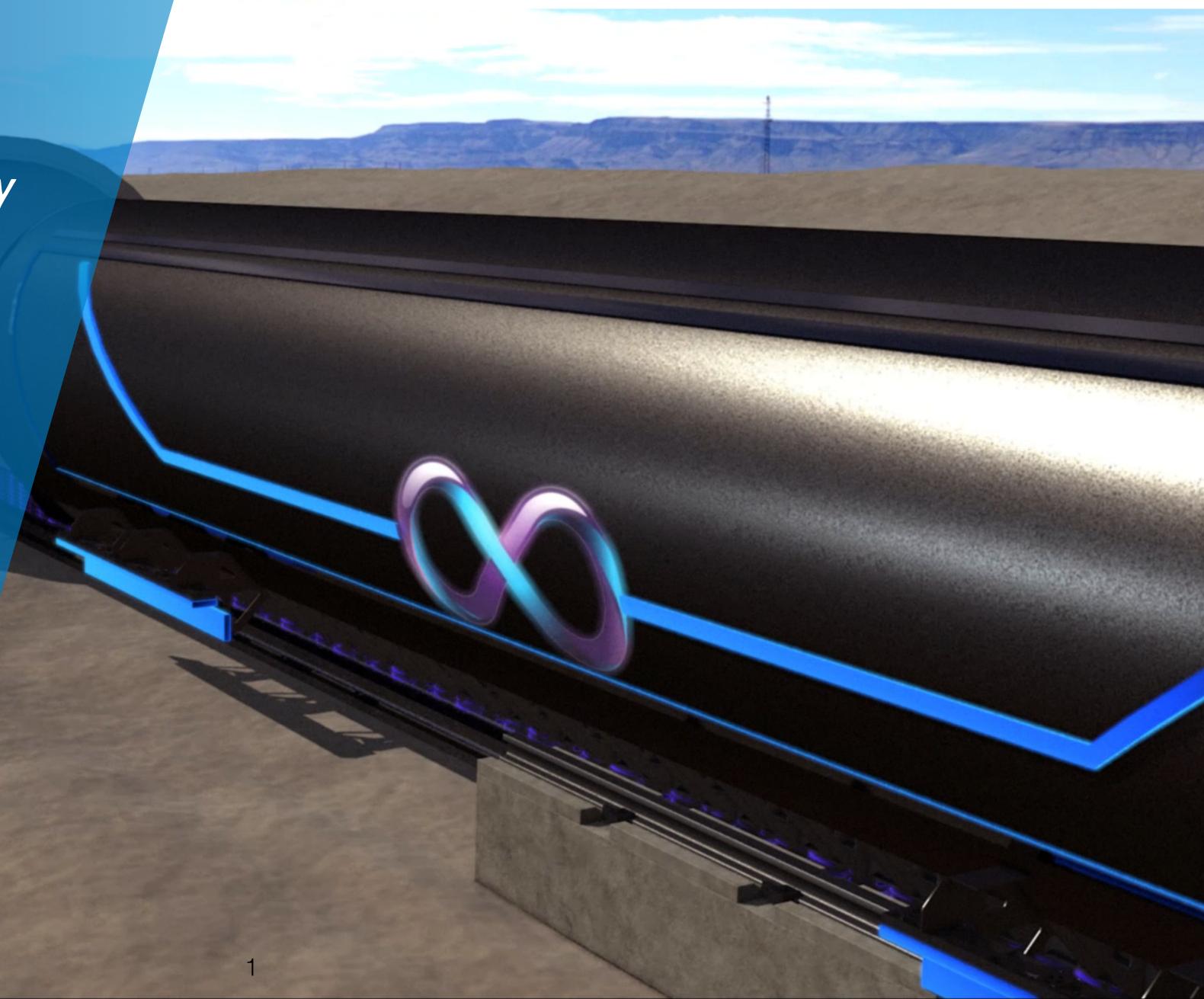
FS Links

Enabling the Stockholm – Helsinki super region

Hyperloop One network

Pre-feasibility study including Hyperloop One technology

4th of July 2016





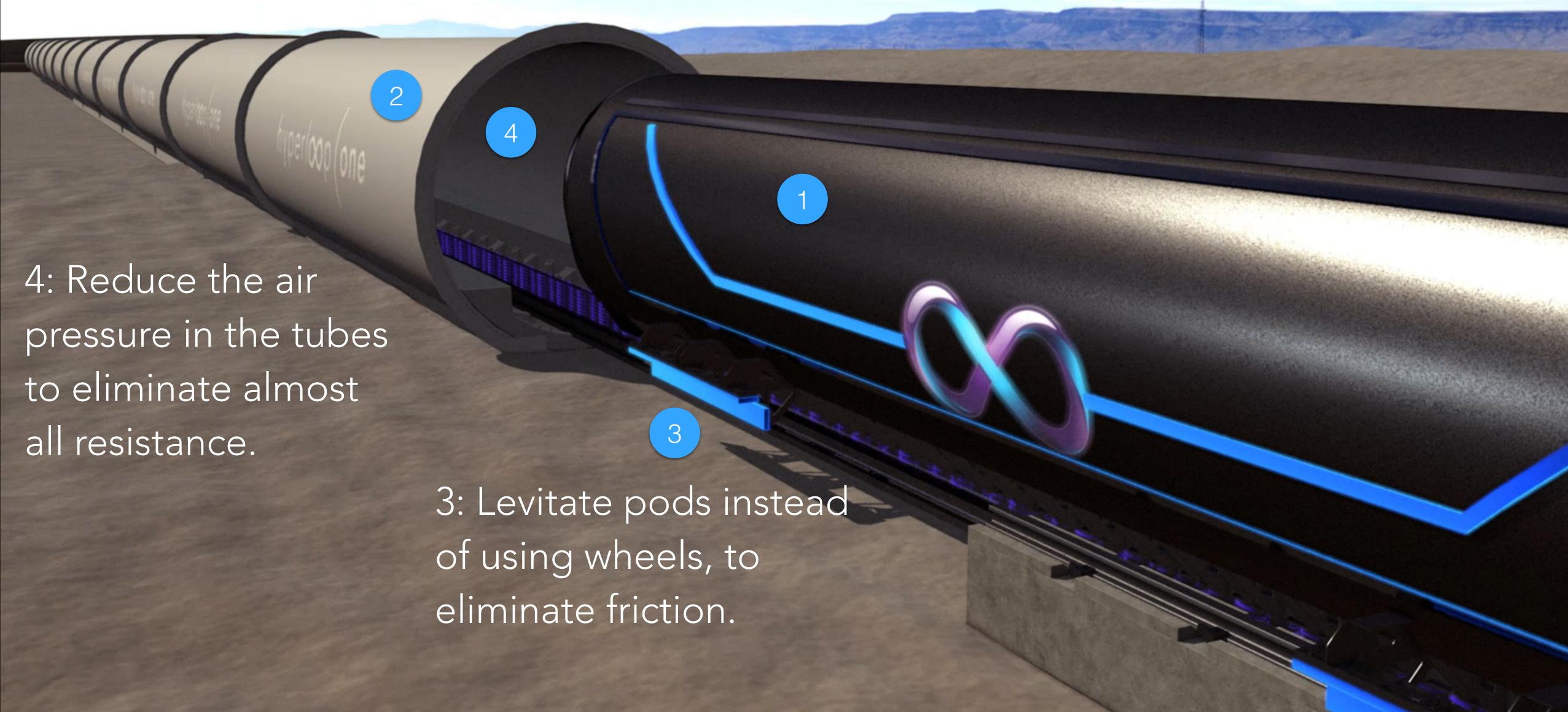
Rob Lloyd CEO Hyperloop One

### We are building Hyperloop

## Right Now

2: Pods operate in tubes, which creates a controlled environment.

1: Start with a pod, which can be sized to carry freight or passengers.



Hyperloop is happening

## Real Fast

Development pathway from POAT to full system.

### Full system test

Dec 2016

≥ 1,000 km/h

2012017

# Today

World's first Hyperloop One business case published







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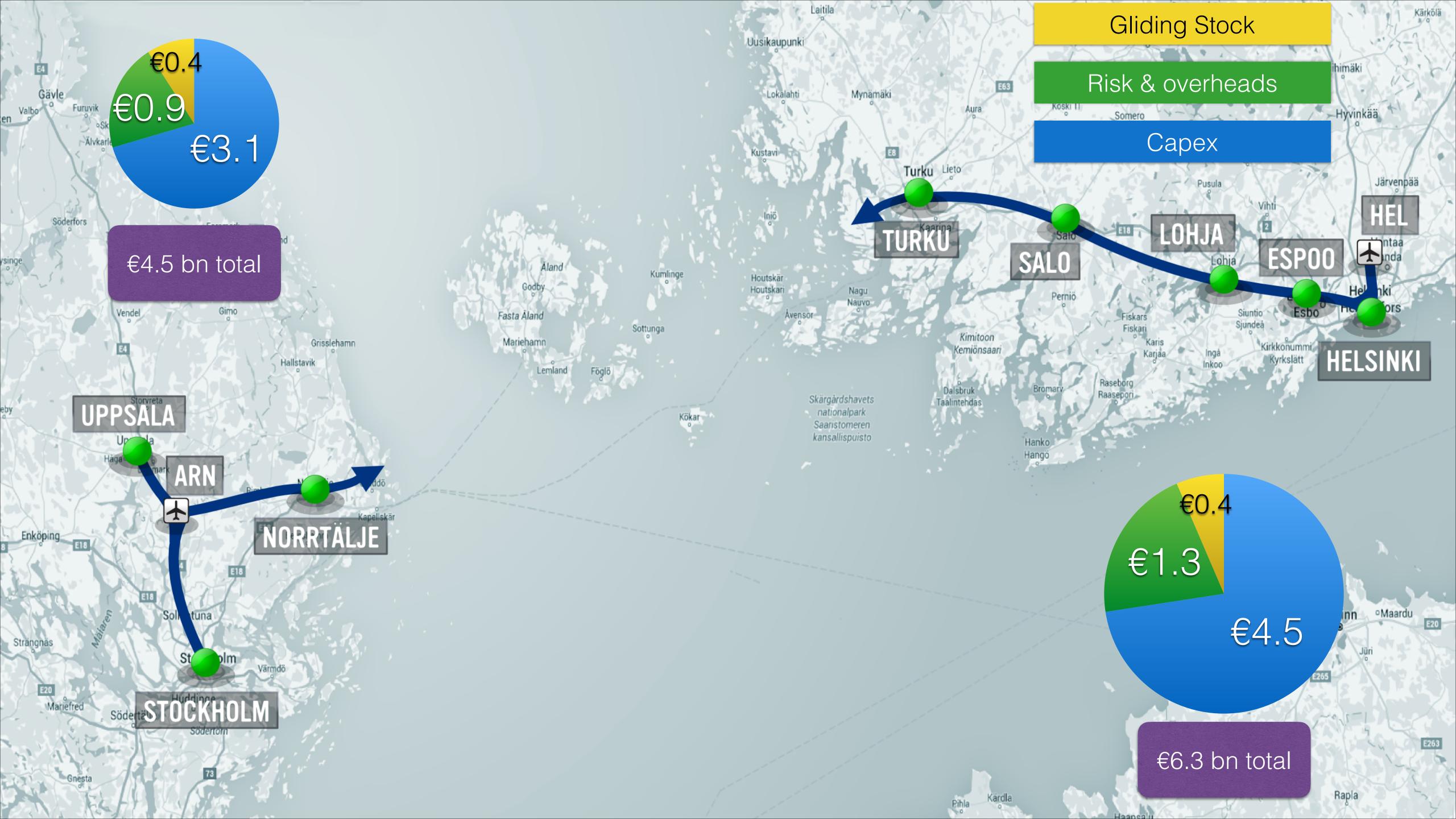


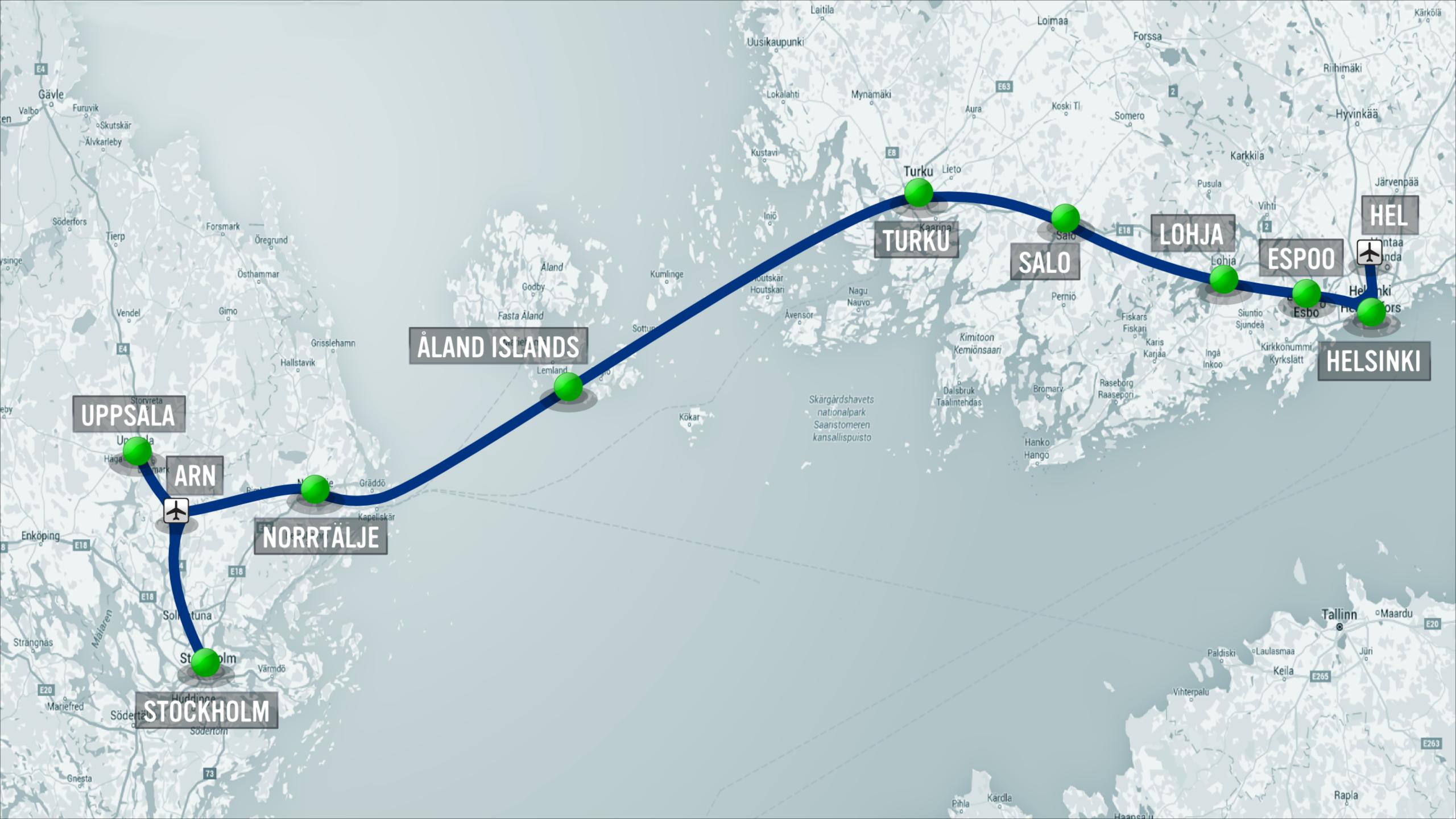


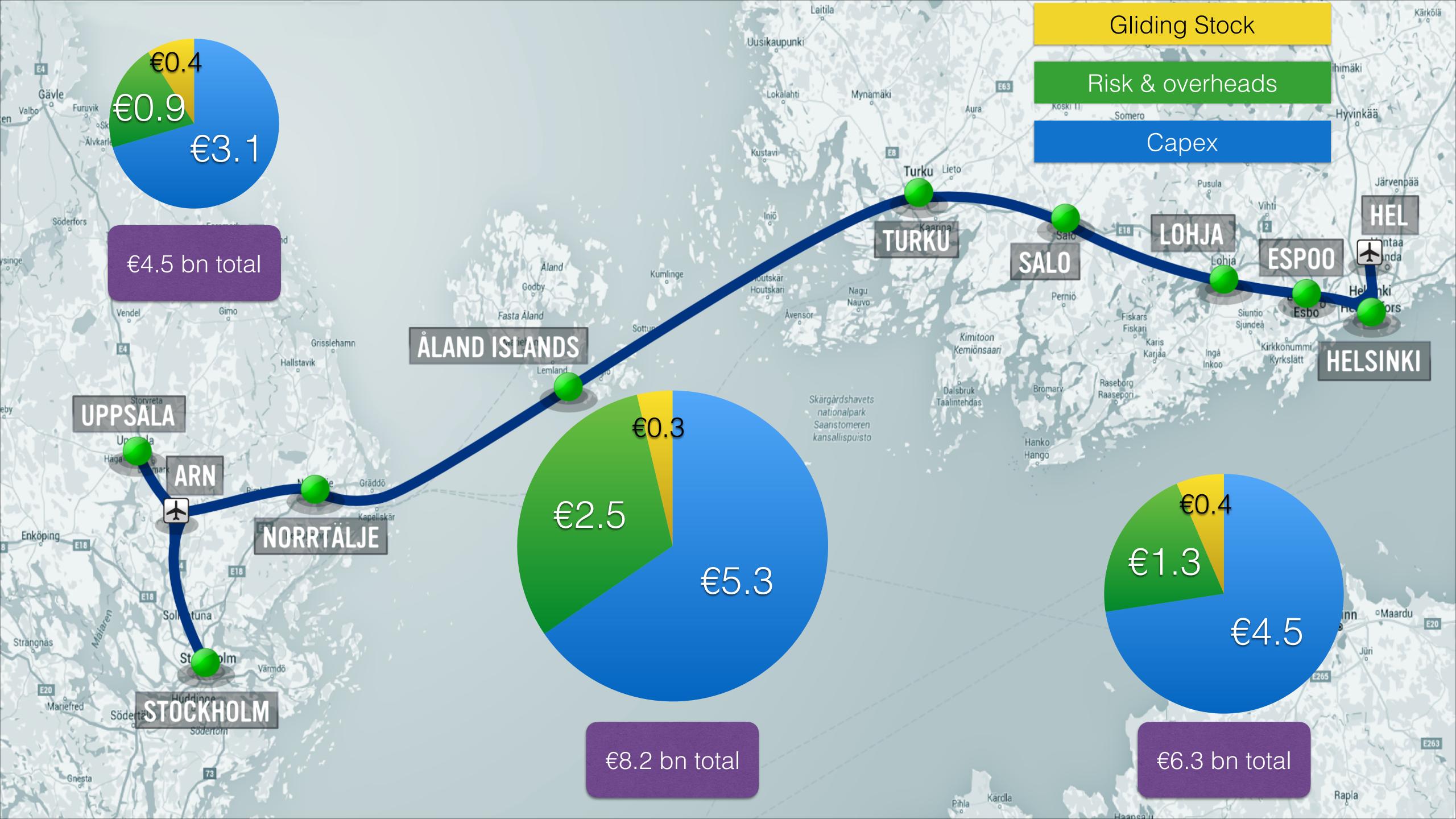


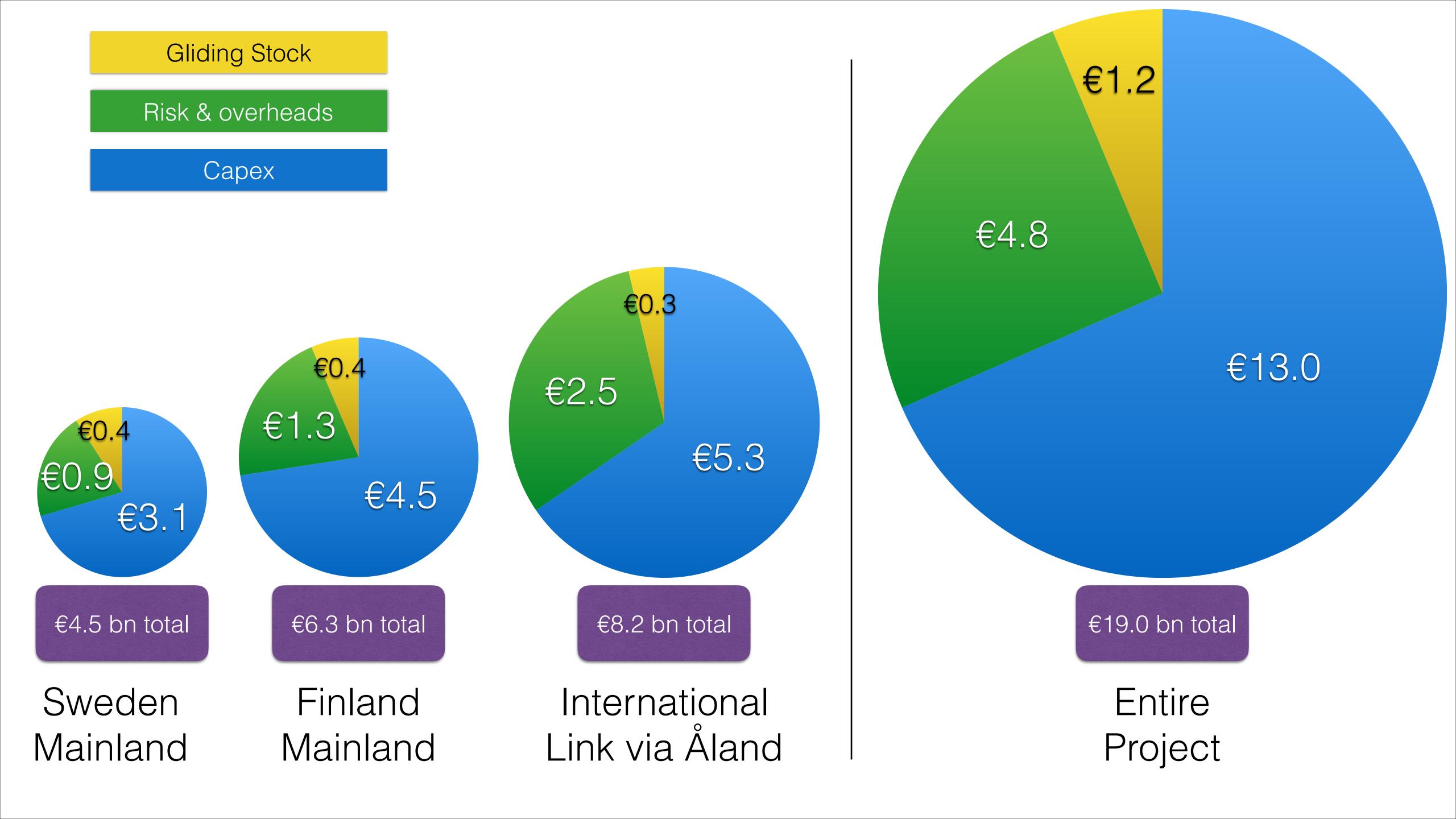












€321m Value of Time Benefit per annum

€1,071 m revenue per annum

per annum

42.7 million ridership

Entire Project

€141m VoT

€395 m revenue per annum

€103m VoT

€247 m revenue per annum

21.9 million ridership

Sweden Mainland

13.4 million ridership

Finland Mainland

All phases produce surplus over operational costs.

Capex payback dependent on project finance model.

Wider Economic Benefits and regional cohesion in addition to these results. WEBs strongly likely to justify substantial Govt and EU contribution.

Øresund Link precedent suggests revenues and WEBs produced vastly outweigh the capital cost of strategic infrastructure within c.10 years.

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Entire Project

#### A few lessons learned from the Öresund fixed link (opened in 2000)

Travel time savings & labor market effects

7,7 billion EURO in benefits has been generated through reduction of commuting & traveling costs

2 800 people commuted across Öresund in 1999, while 18 000 people commuted in 2013

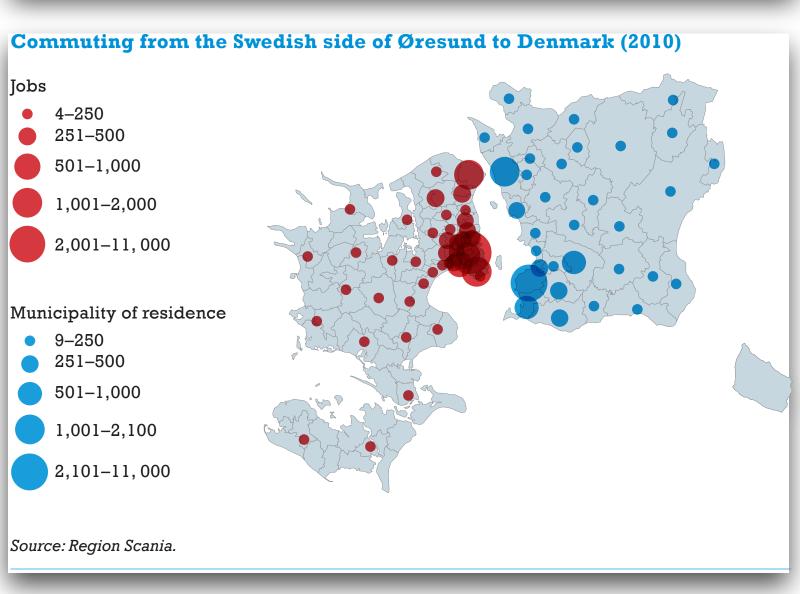


76 000 jobs were created in the Öresundregion in first decade after the bridge opening

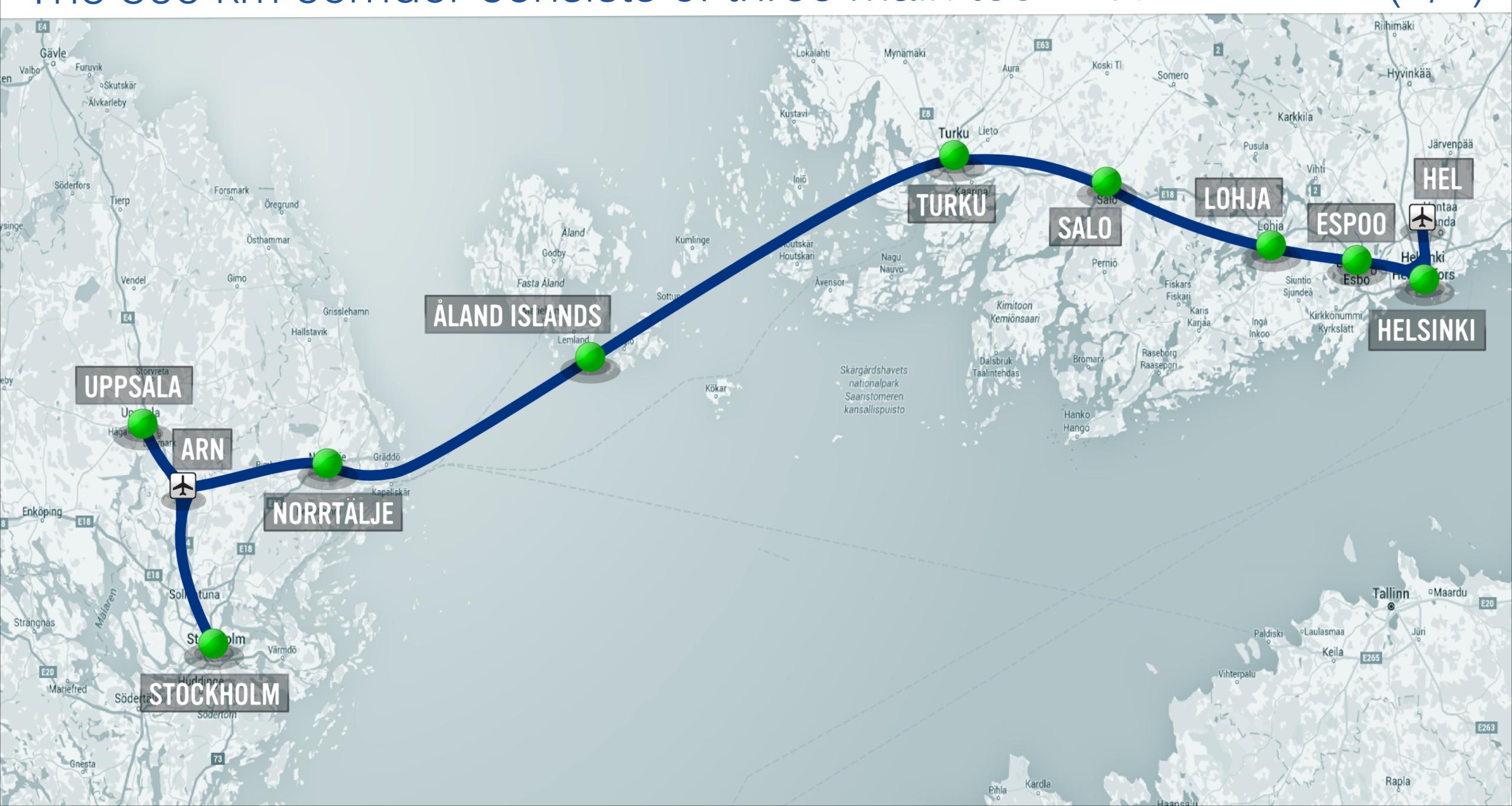
Change in logistics patterns

Immediately after the opening, the volume of goods transported by rail increased by 33 %





#### The 500 km corridor consists of three main technical solutions (1/2)



#### The 500 km corridor consists of three main technical solutions (2/2)





**Dug down** 

**Pylons** 

Sub-sea tunnel

not to scale



#### Strategic legal considerations (1/2)

#### Procurement models and financing

#### 1A)

- Öresund-bridge
- ESS
- Sandviken-Gävle
- Sydney-model
- 2) Structuring

- 1B) Financing
- Public and private investors

- 3) Presumption: a technology supply to a vehicle owned by industry, investors, Sweden and Finland this vehicle
- procure suppliers and goods, and arranges
- P3 financing



#### Strategic legal considerations (2/2)

#### **Procure, Build and Operate**

- What is Hyperloop One?
- New legislation?
- Permissions general and environmental
- Decision making procedures
- Right of way
- Tax issues



## There are no insurmountable obstacles





We are developing projects and building partnerships as fast as we are developing the tech

### Global partnerships

May 2016











## \$130M raised – & counting

## Jun 2016

40B media impressions

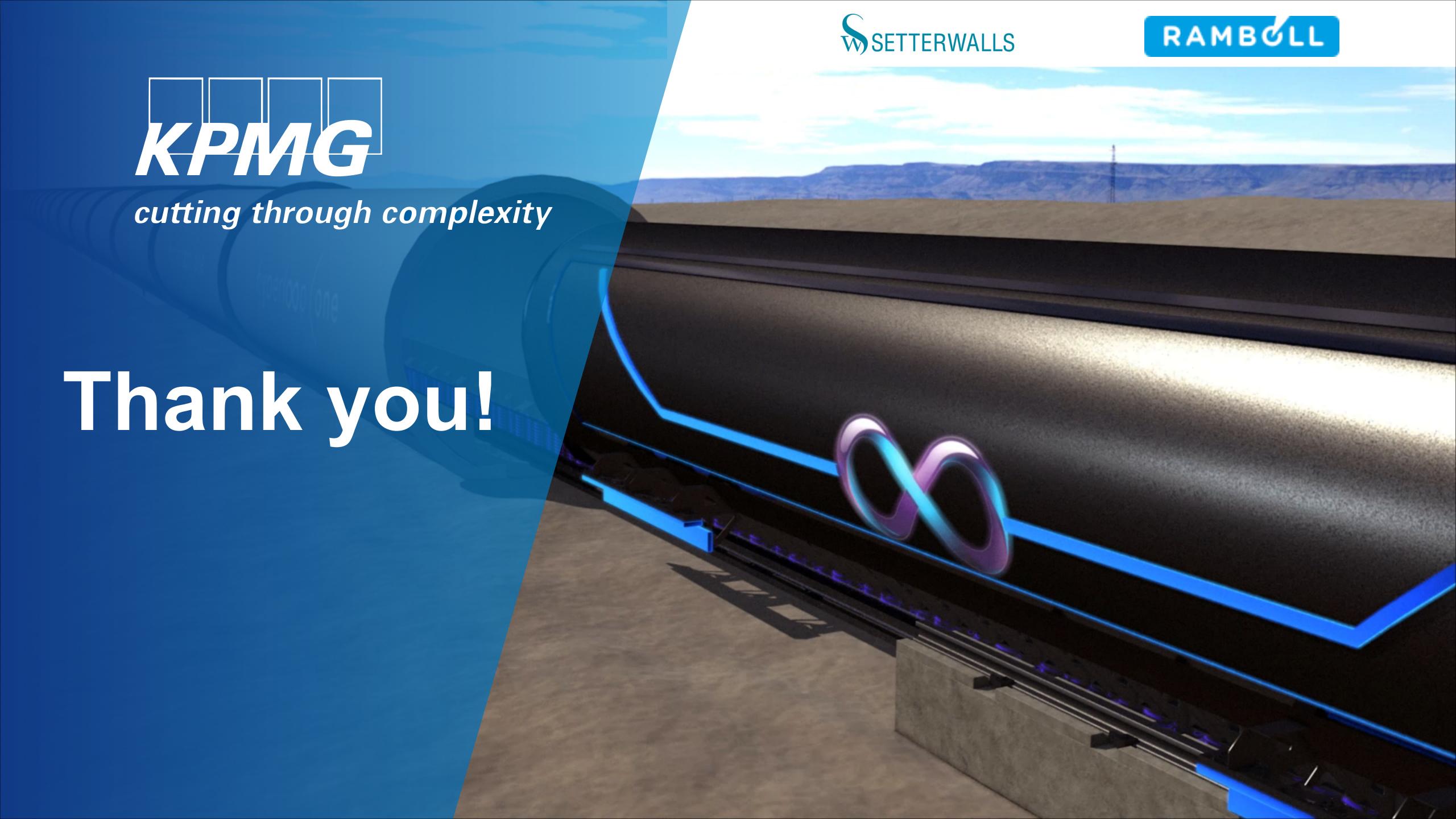
### >250 worldwide entries

# July 2016

to Global Challenge







#### Pressinformation

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