

Malmö - Stockholm in 40 min

Why, how, what about Hyperloop

Rikard Windh, Board member
Hyperloop Sweden

Generations of public transportation

1. Boat ~ 8000 BCE
2. Train ~ 1800 AD
3. Car ~ 1885/86 AD
4. Airplane ~ 1903 AD
- 5. Hyperloop ~ 2013 AD**



First some retrospective How did the Flight Industry get started?

By John T. Daniels [Public domain], via Wikimedia Commons



Kitty Hawk moment: 36 meters 1903



100+ years later
4 billions passenger per year

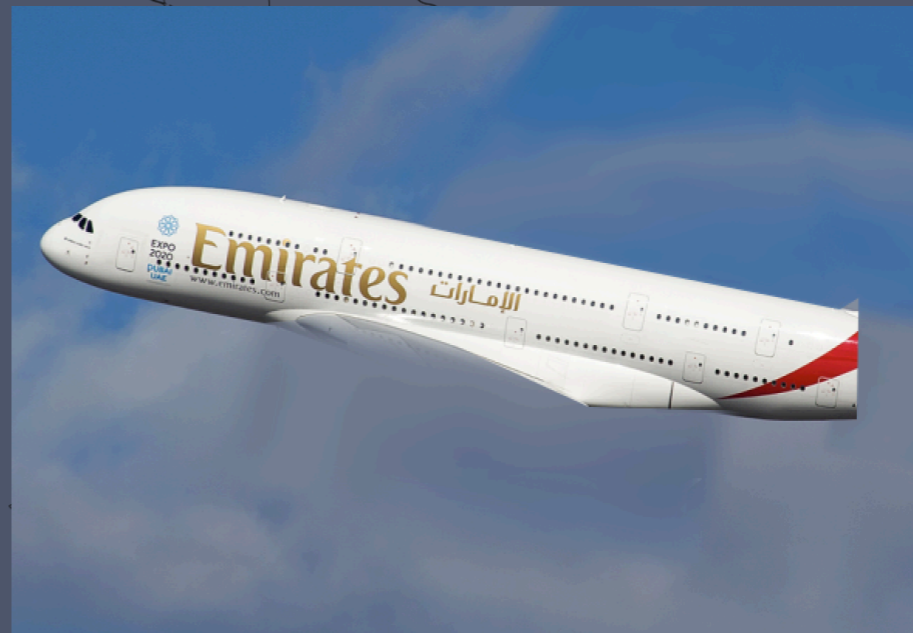


What is Hyperloop?

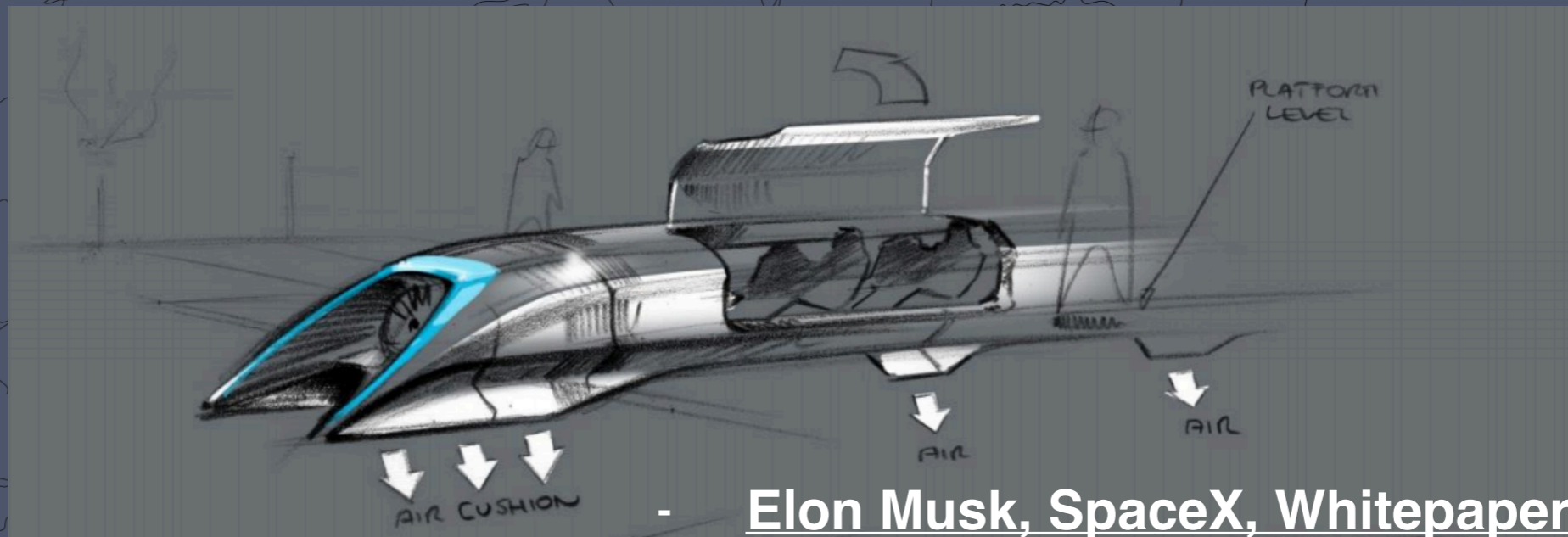
Imagine a combination of pneumatic tube system and an airplane (without wings)



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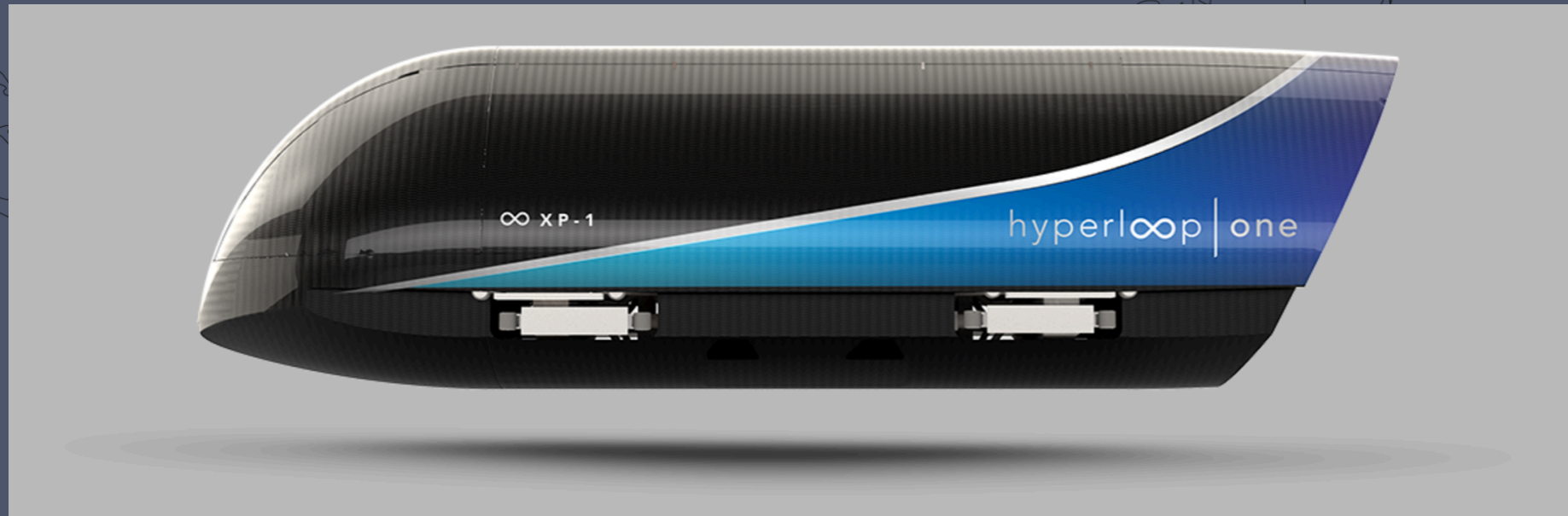


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- Elon Musk, SpaceX, Whitepaper 2013

What is Hyperloop?



Pods with 30-40 passengers

Tube

Travel speed
~1000 km/h

Pressure in Tube
~1 millibar

almost vacuum
no drag
cost efficient and green

Investments made in Hyperloop



Virgin Hyperloop One

245M USD

Hyperloop TT

100M USD

+ investments made by
SpaceX, Arrivo, Transpod,....

SPACEX

ARRIVO

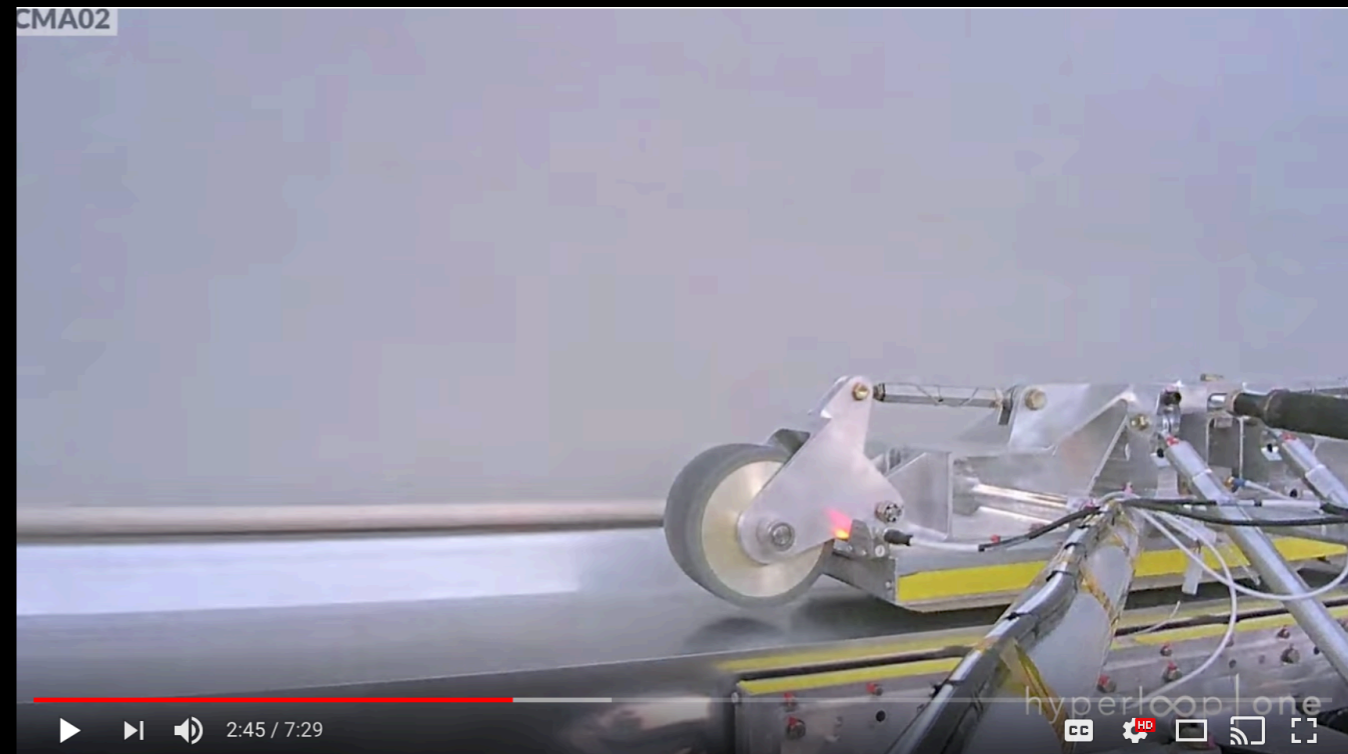
TRANSPD

HYPERLOOP
TRANSPORTATION TECHNOLOGIES

The Kitty Hawk moment for Hyperloop



hyperloop one



hyperloop one



hyperloop one



hyperloop one

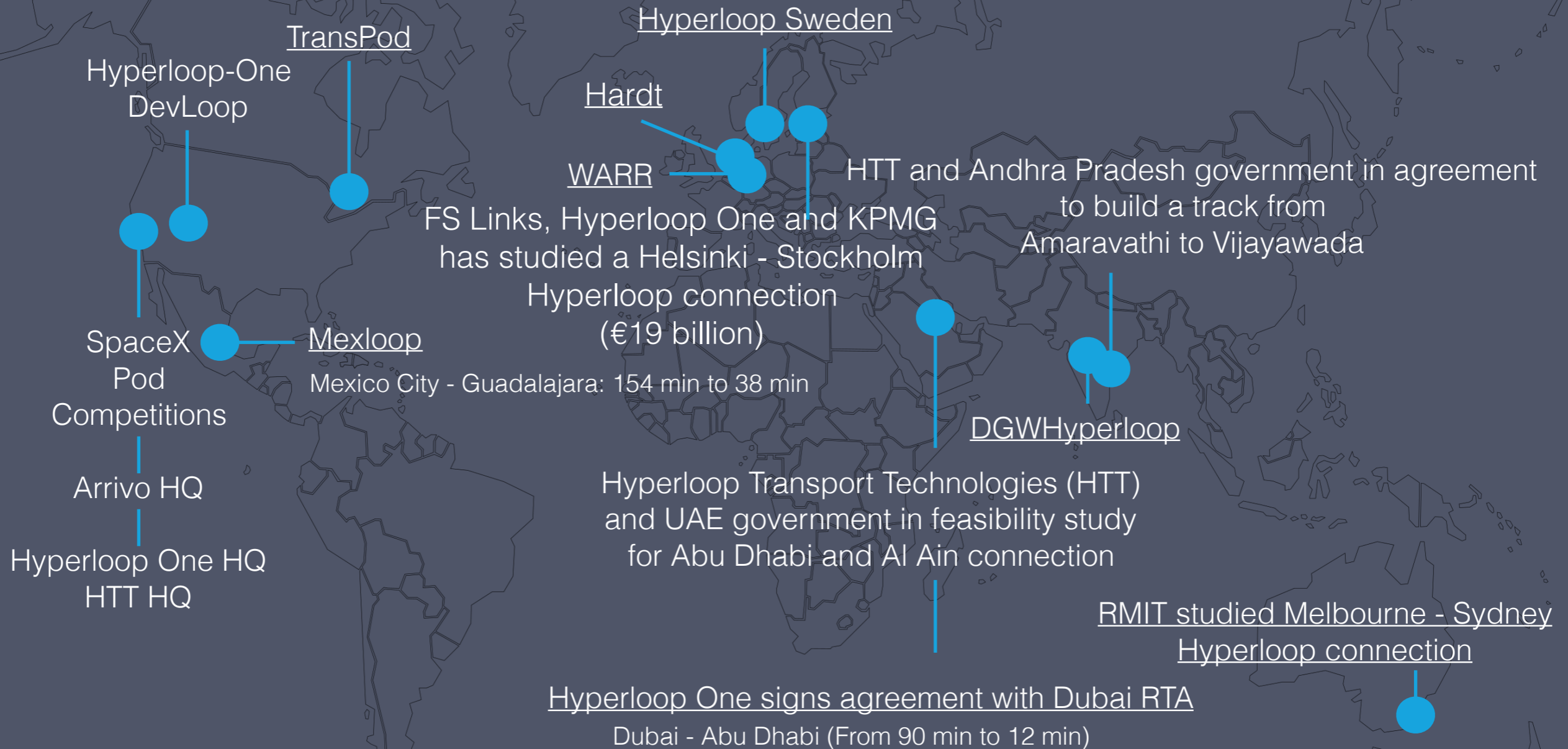
Josh Giegel
Co-Founder
Hyperloop One

Las Vegas, 2017-05-12

<https://www.youtube.com/watch?v=woaQdXLb1z0>



Hyperloop Activities Around The World Right Now



+ 700 teams around the world that has submitted preliminary designs to the Pod Competitions



Consider Exponential Growth & Moore's Law &
the 100 years it took for the flight industry to grow to current size

How many years takes 100 years today?

10 years?

Remember Moore's Law?

The doubling of computer processing speed every 18 months

How can Hyperloop affect our society?

- Can solve housing crisis
- Can be cheaper than the alternatives
- Can be the safest form of transportation

Regarding “Can Solve Housing crisis”:

Average time for commuting in Sweden 2016

31 minutes

How far can you commute in 31 minutes^{*} today



^{*}) Källa: <https://www.trafa.se>

Average time for commuting in Sweden 2016

31 minutes*

How far can you commute in

31 minutes

with Hyperloop



Hyperloop can be cheaper than the alternatives

High Speed Train

20-40 MUSD/km, \$50/ride

Hyperloop^{*)}

10-20 MUSD/km, \$5/ride

^{*)} Hyperloop Transport Technologies: 10-20 MUSD / km

<http://www.makeuseof.com/tag/4-ways-hyperloop-will-improve-life/>



Hyperloop can be the safest form of transportation

**“The system is immune to
wind, ice, fog and rain....”**

Questions?

Join Hyperloop Sweden to join the movement to
make it happen!

join@hyperloop-sweden.se

www.hyperloop-sweden.se

facebook.com/hyperloopsweden

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ROUTE SWEDEN

Total length: 2500 km

Total duration: 180 min



HYPERLOOP SWEDEN