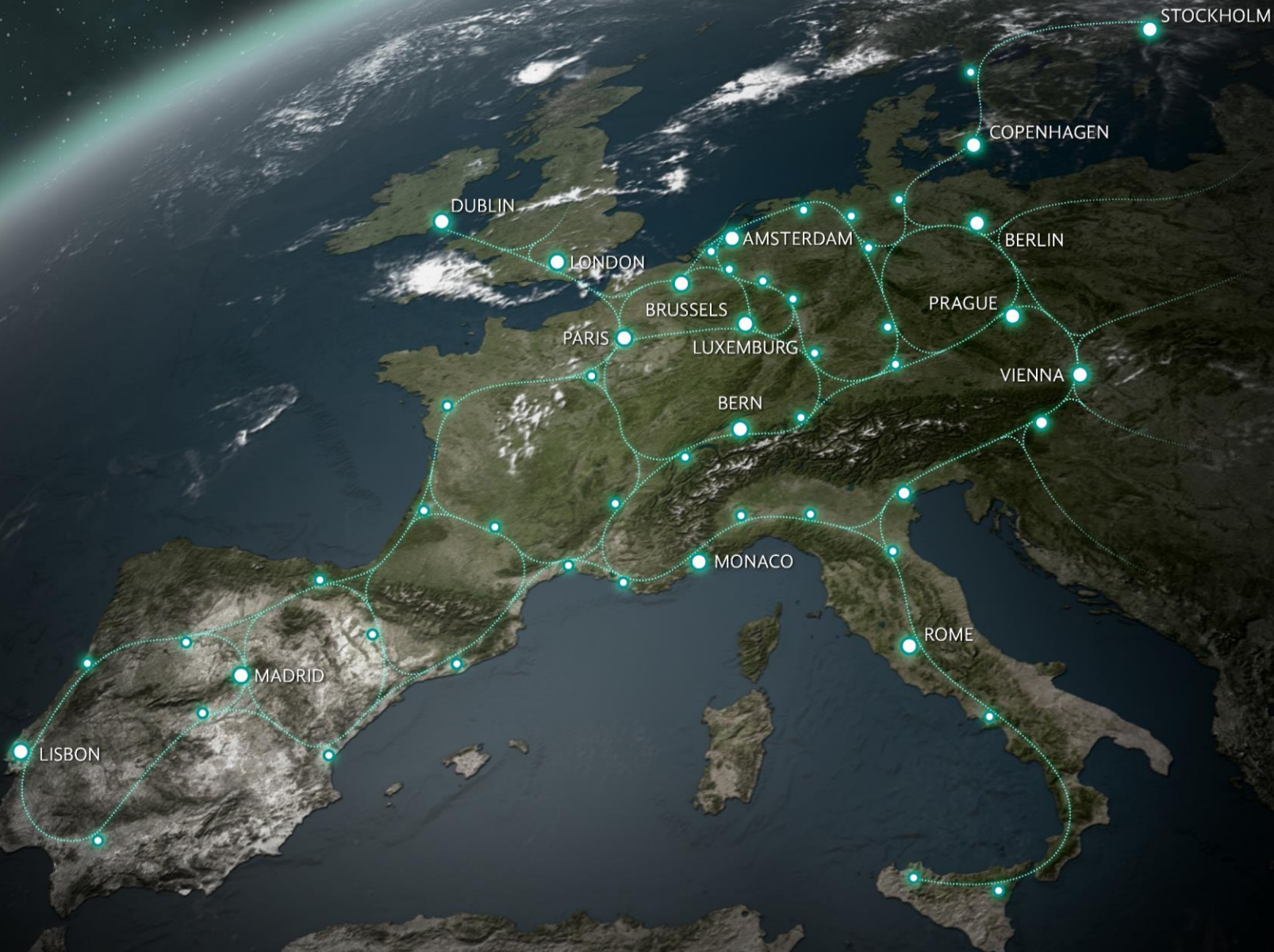


Creating the Global Village



Who is travelling to their work almost every day?

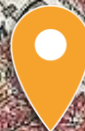
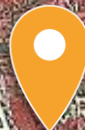
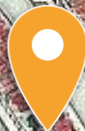
Who would love it, if this trip would be less time consuming?



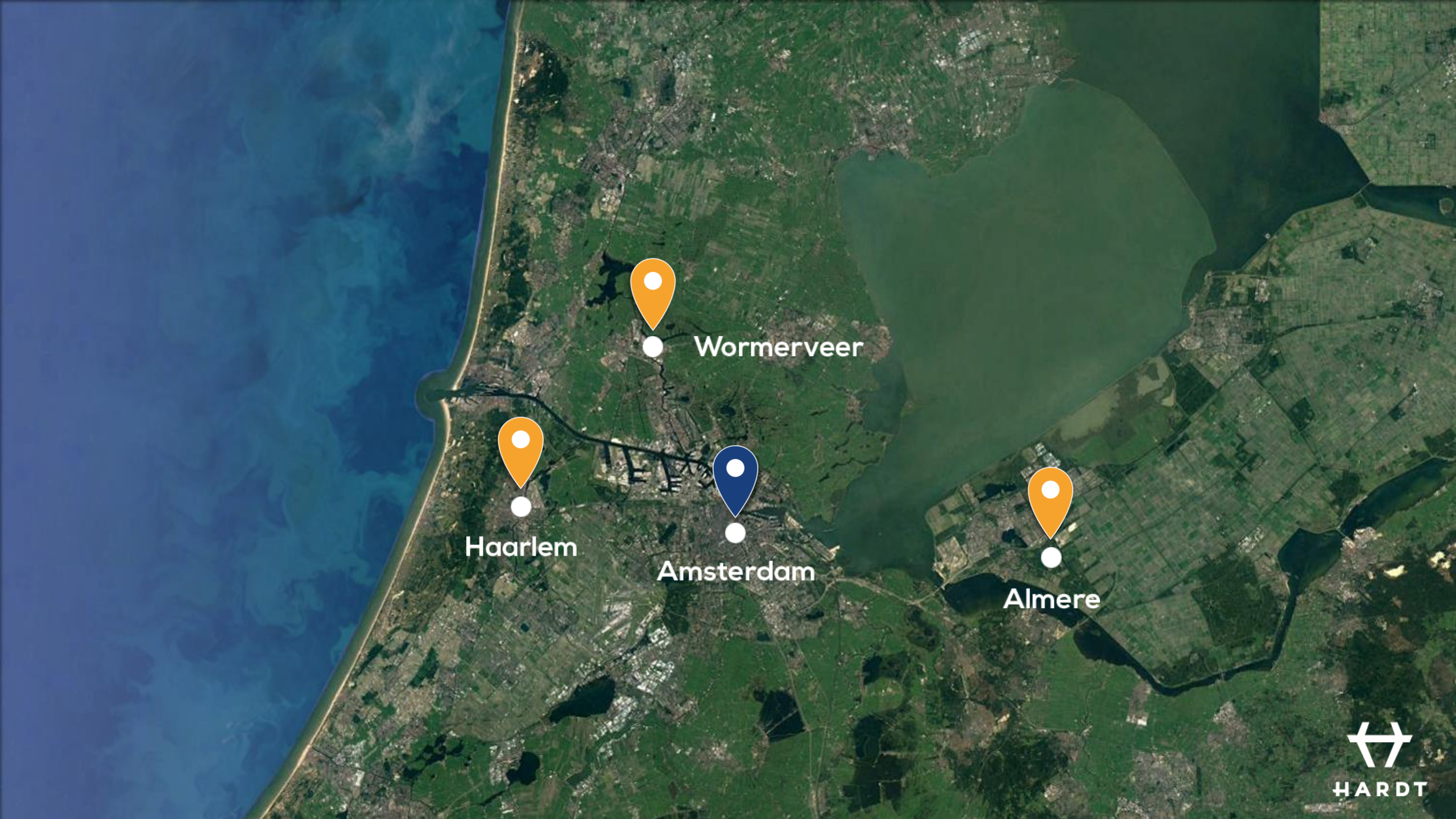
Mars Geuze

CTO Hardt





HARDT



Wormerveer

Haarlem

Amsterdam

Almere





Imagine

- Faster than airplanes
- Cheaper than trains
- Zero emissions



 HARDT


HARDT

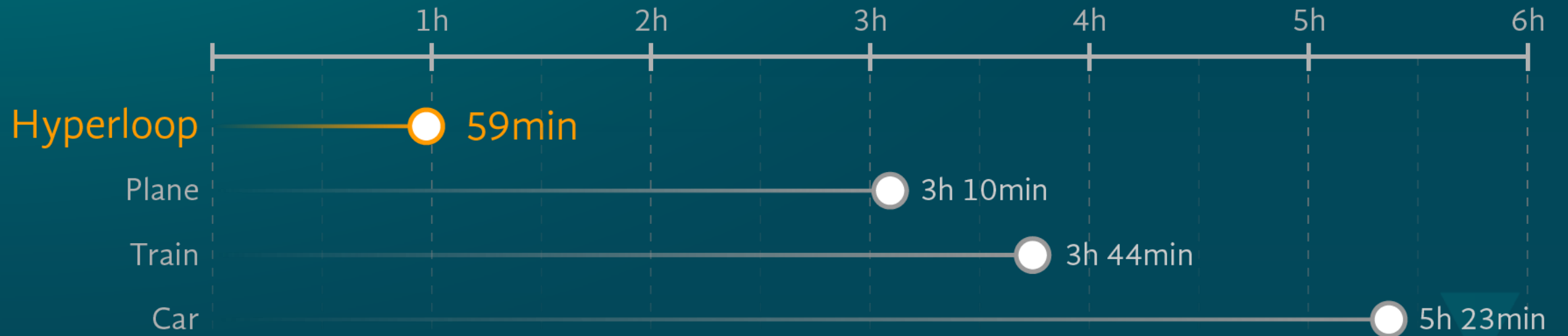
Amsterdam



Paris



Amsterdam - Paris time comparison



● Amsterdam

● Paris



● Amsterdam

● Rotterdam

● Antwerp

● Brussels

Lille ●

● Paris



Amsterdam

Rotterdam

Antwerp

Brussels

Lille

Paris



Amsterdam

Rotterdam

Antwerp

Brussels

Lille

Paris



Amsterdam

Rotterdam

Antwerp

Brussels

Lille

Paris



Amsterdam

Rotterdam

Antwerp

Brussels

Lille

Paris



● Amsterdam

● Rotterdam

● Antwerp

● Brussels

● Lille

● Paris

People transport



People transport



Cargo transport





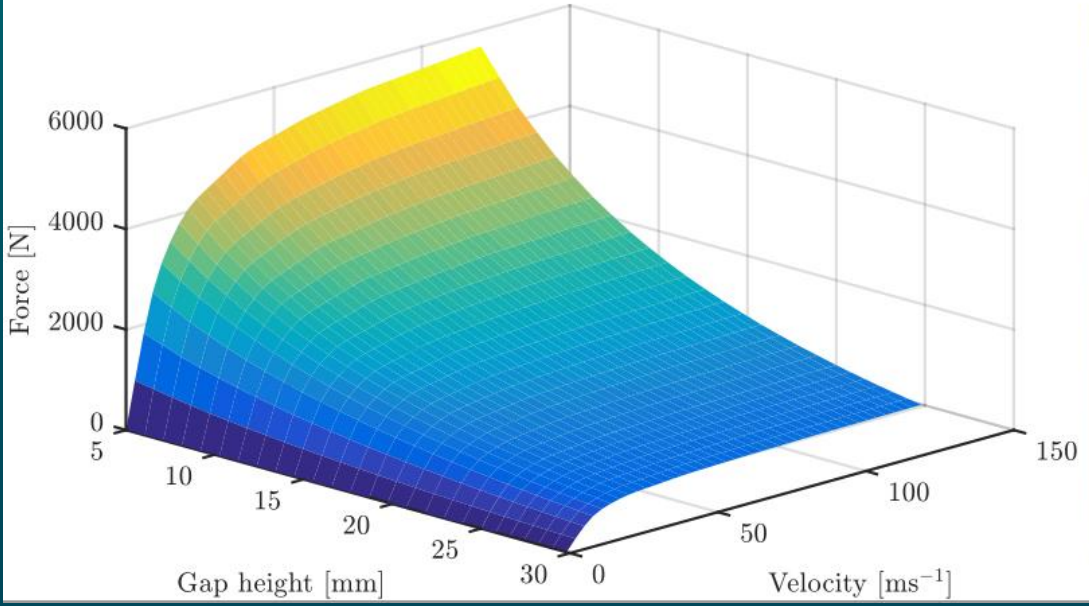
 HARDT

The image features a bright blue sky with scattered white clouds. In the foreground, a lush green field of tall grass is visible. A futuristic Hyperloop track, consisting of multiple parallel tubes supported by white pillars, stretches across the middle ground. The text 'SPACEX' is positioned above the track, and 'HYPERLOOP POD COMPETITION' is written in large, bold, white letters across the center of the image.

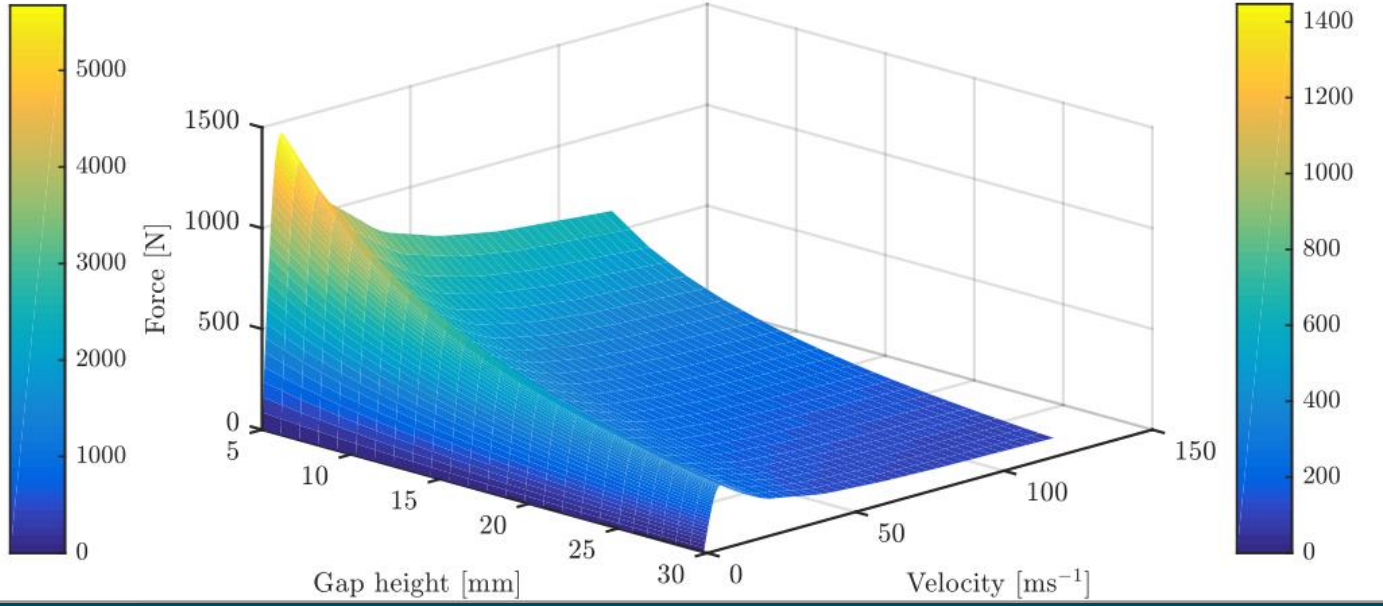
SPACEX
HYPERLOOP POD COMPETITION

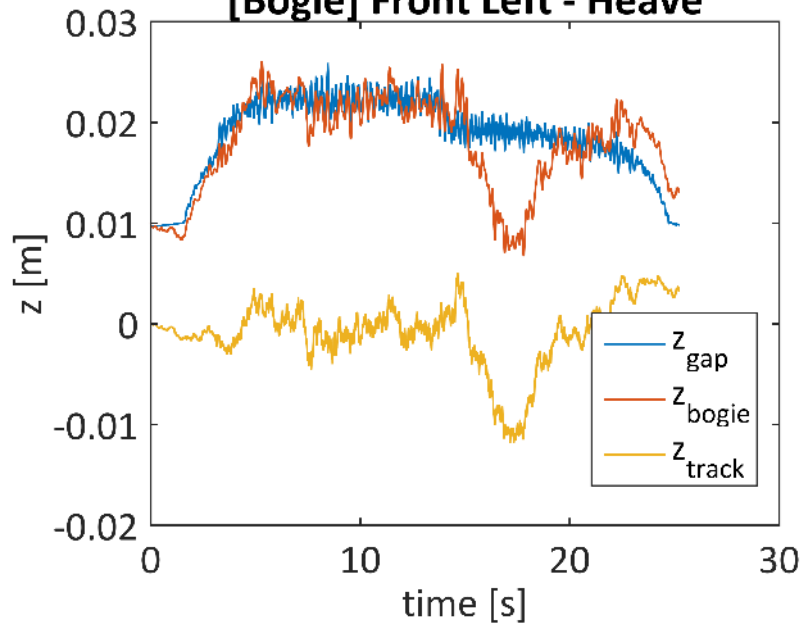
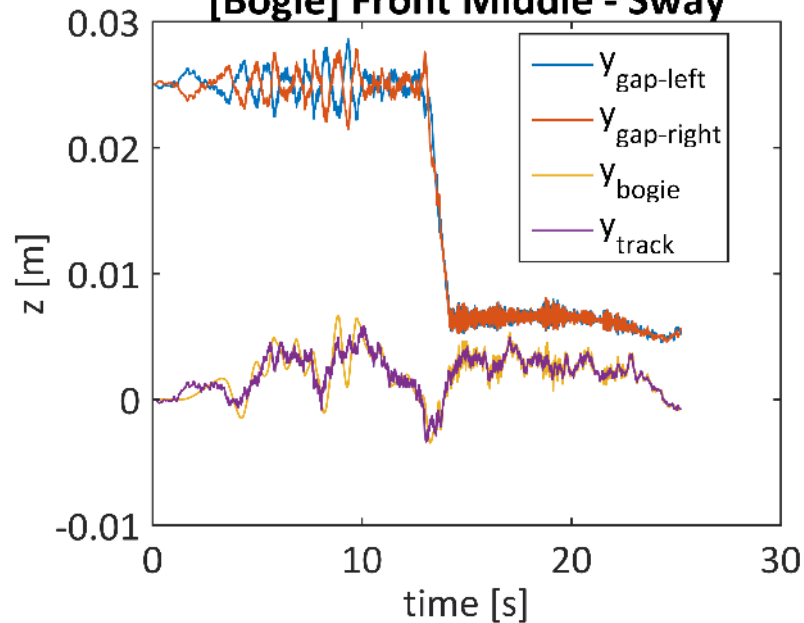
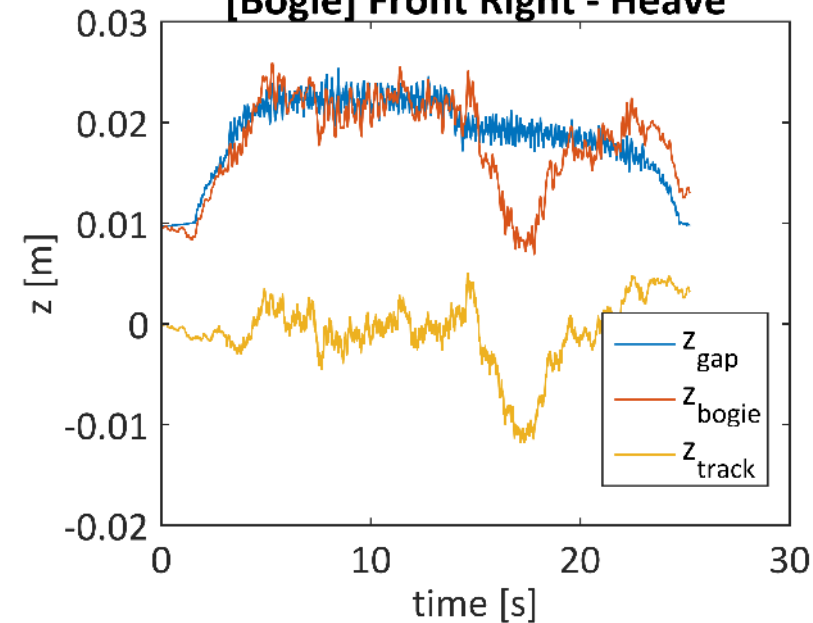
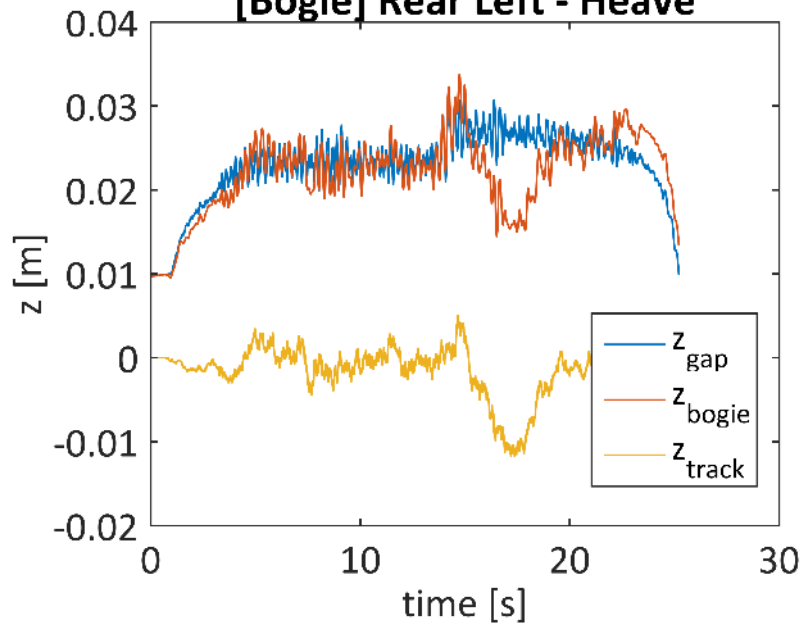
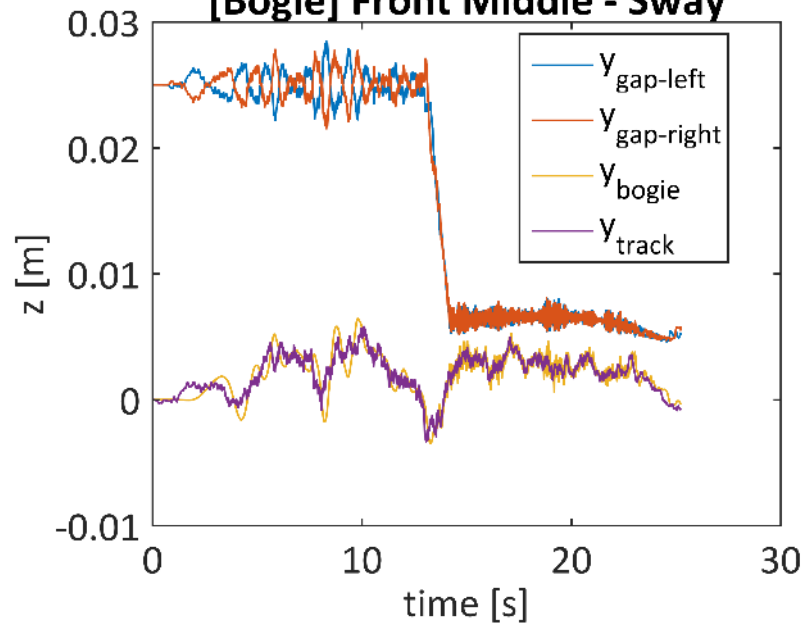
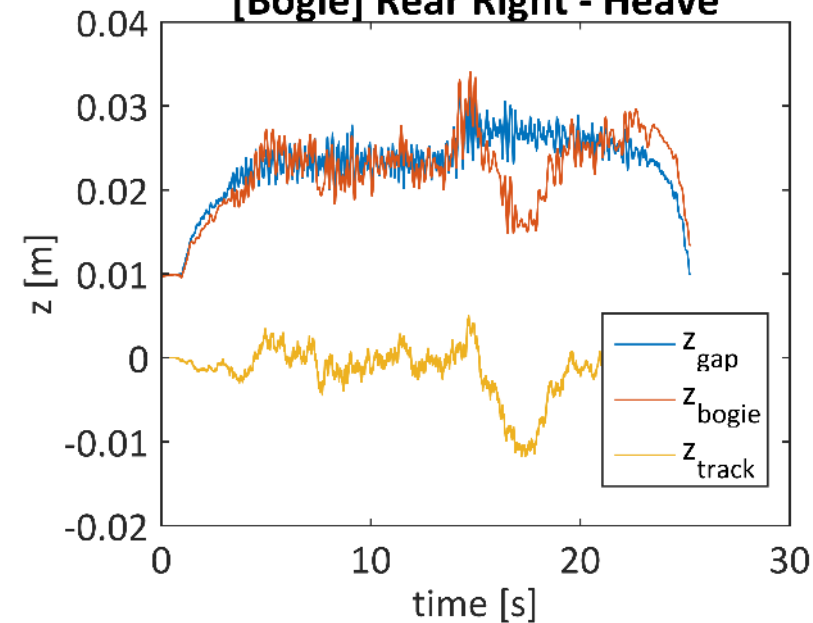
SpaceX.com/Hyperloop

Total lift force



Total drag force



[Bogie] Front Left - Heave**[Bogie] Front Middle - Sway****[Bogie] Front Right - Heave****[Bogie] Rear Left - Heave****[Bogie] Front Middle - Sway****[Bogie] Rear Right - Heave**





DELFT
HYPERLOOP

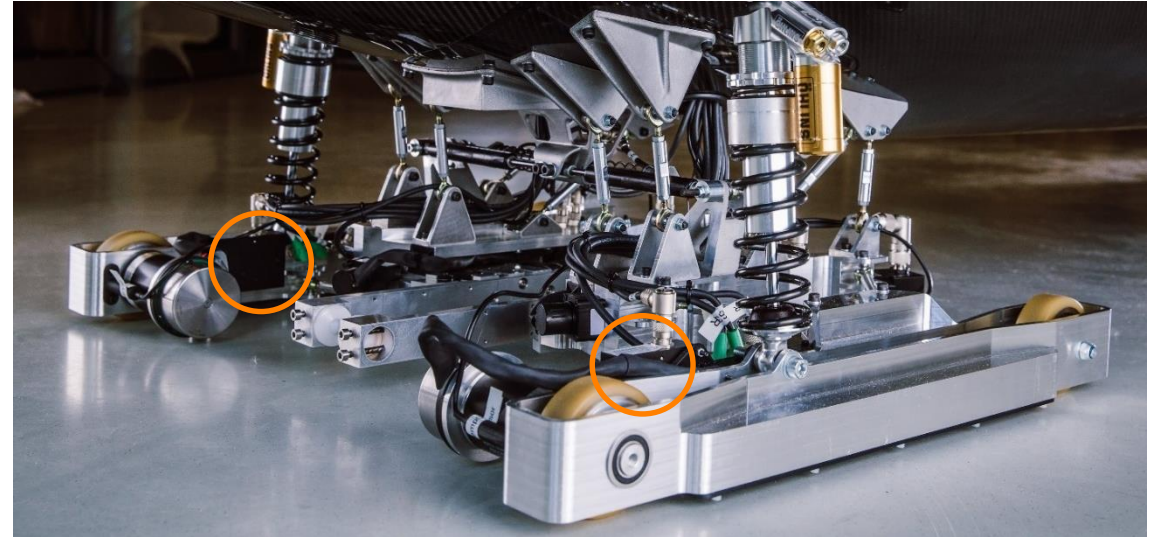
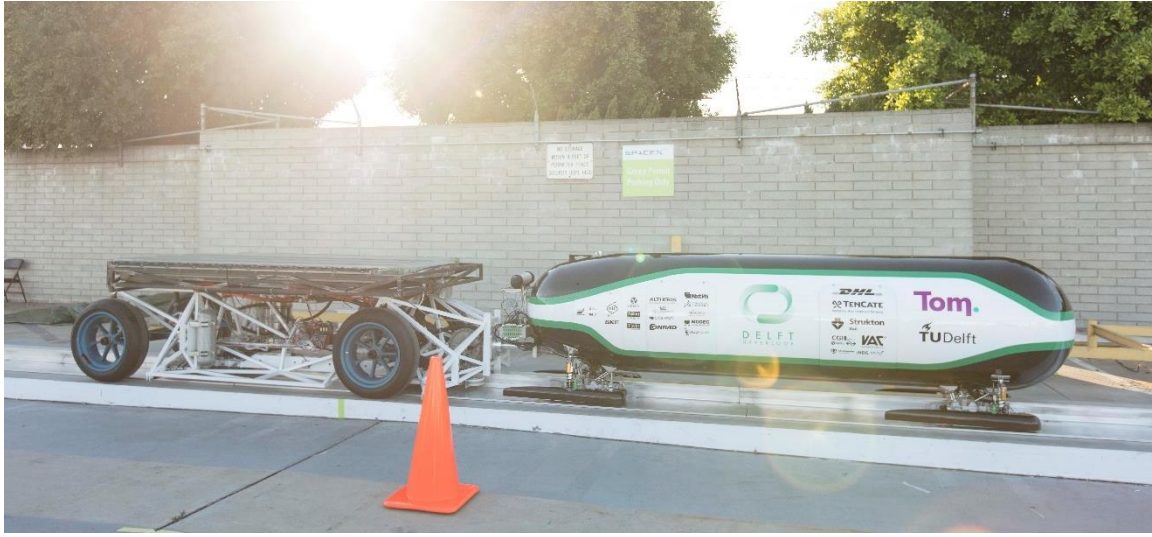


- amsix
- Ajilon
- SKF
- TWD
- ALITHERIS
- BUCCANER DELFT
- COMSOL
- CONRAD
- NxtVn
- DISSAULT SYSTEMES
- Movares
- MODEC
- StuD Fonds

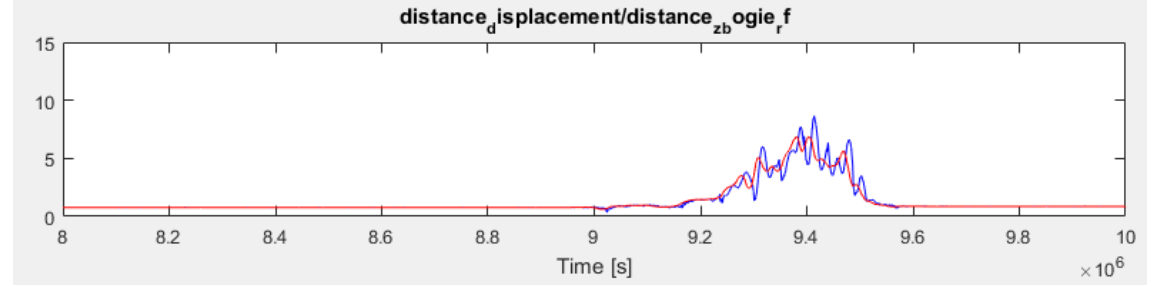
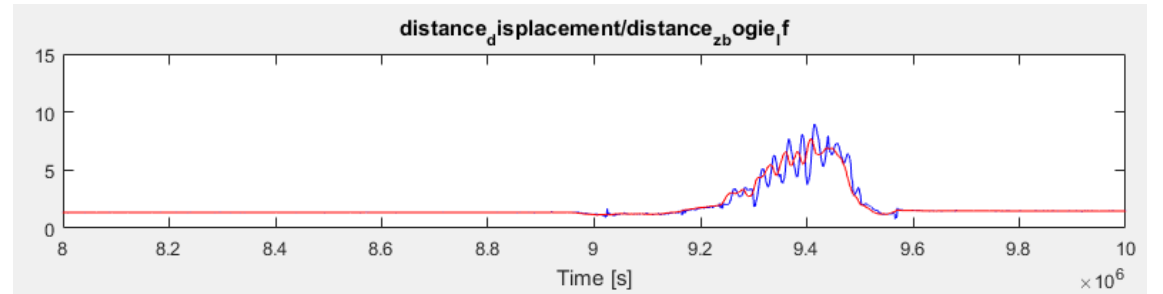
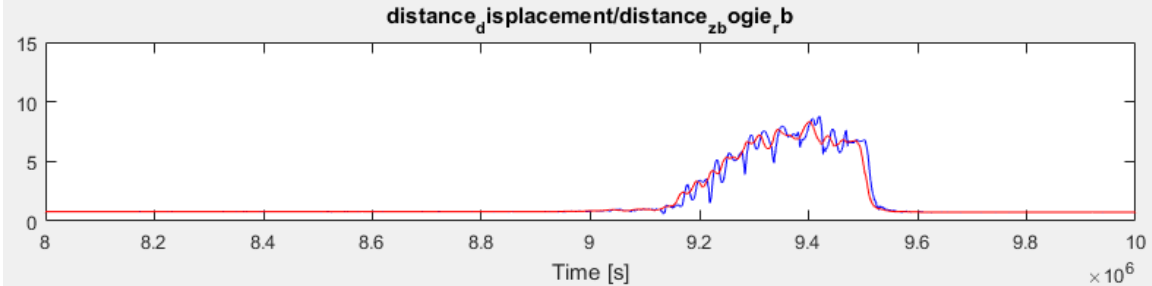
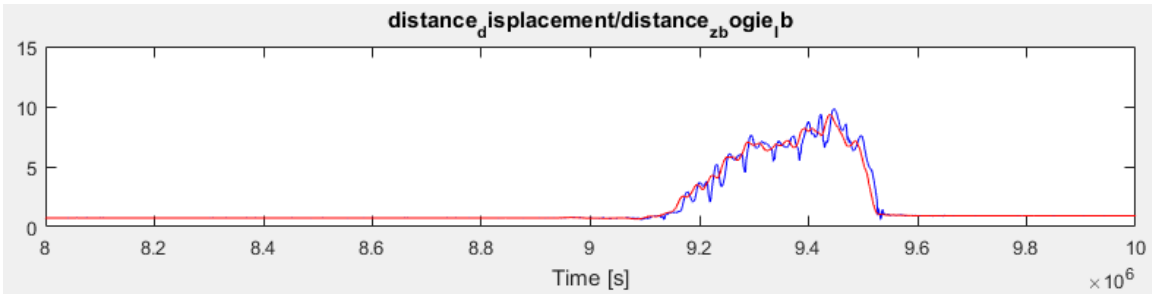


Tom.
TU Delft

- DHL
- TENCATE
- Strukton Rail
- CGI
- VAC



Results: lift bogies height proving levitation up to 1 cm.





SPACEX

STOP

40

NOW





2019

- Test
- Prove
- Certify
- Showcase



2021

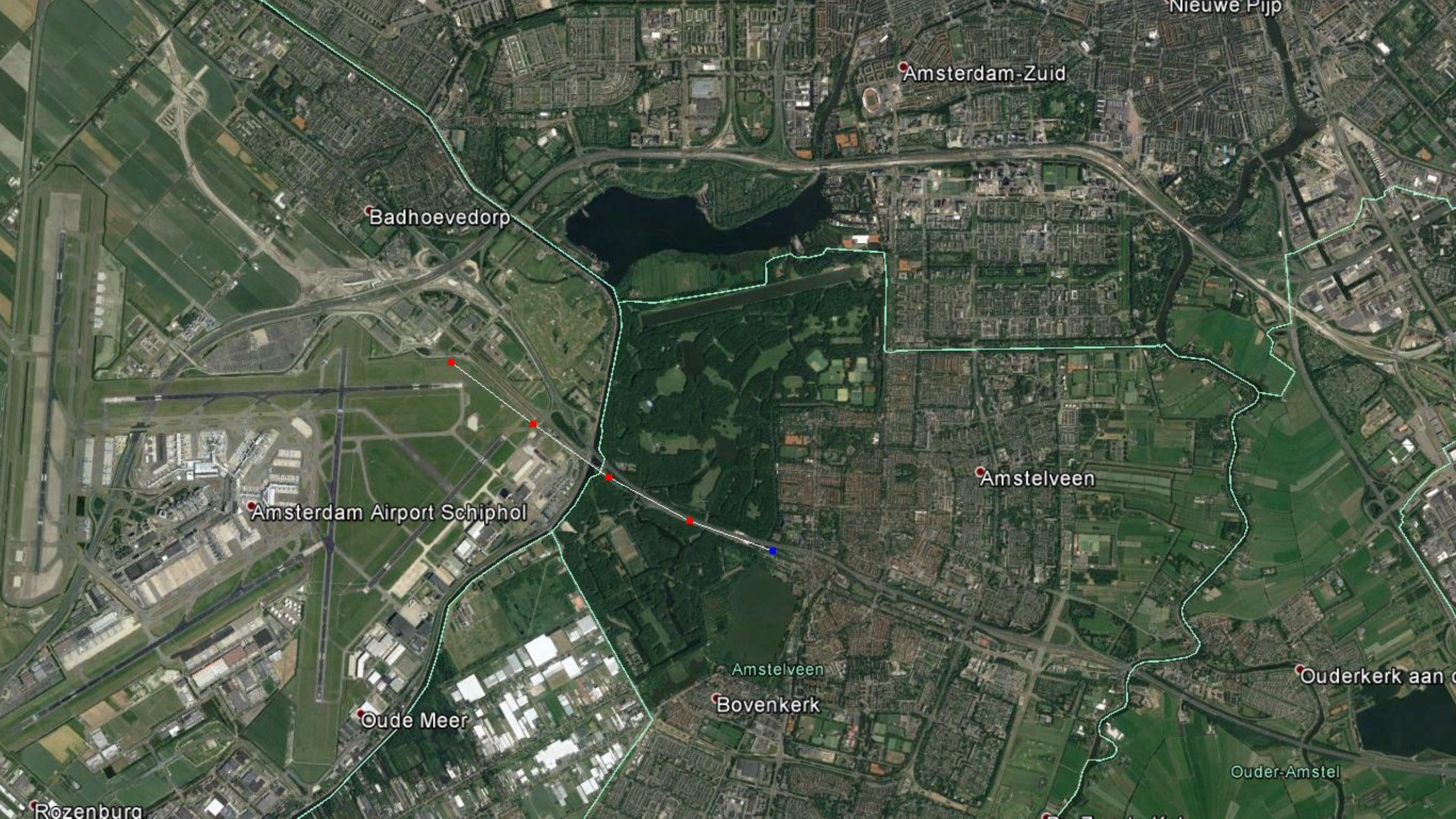


Infrastructure
lay-out

Vehicle
dynamics
modelling

Control system
implementation

Certification



Amsterdam-Zuid

Nieuwe Pijp

Badhoevedorp

Amsterdam Airport Schiphol

Amstelveen

Oude Meer

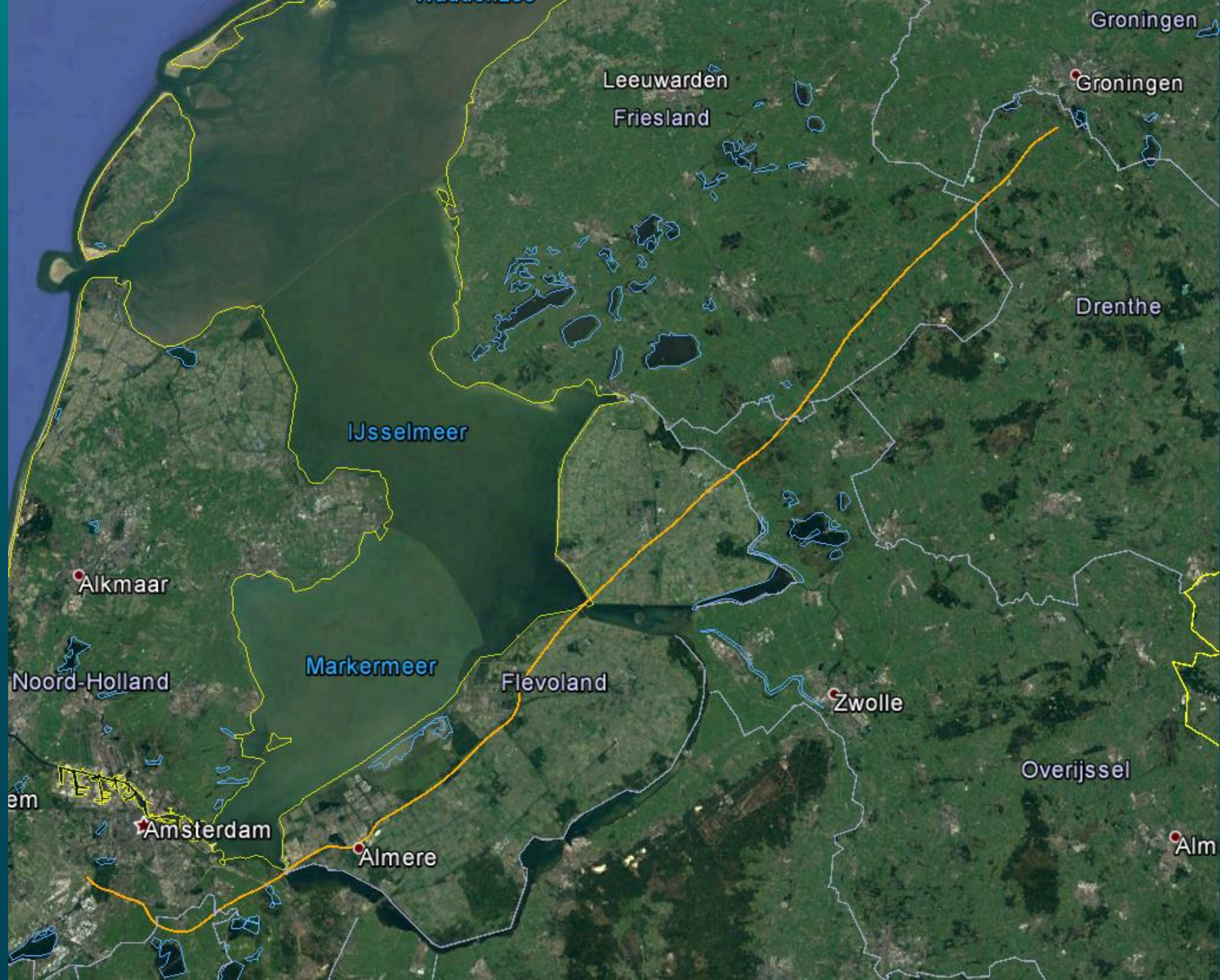
Amstelveen

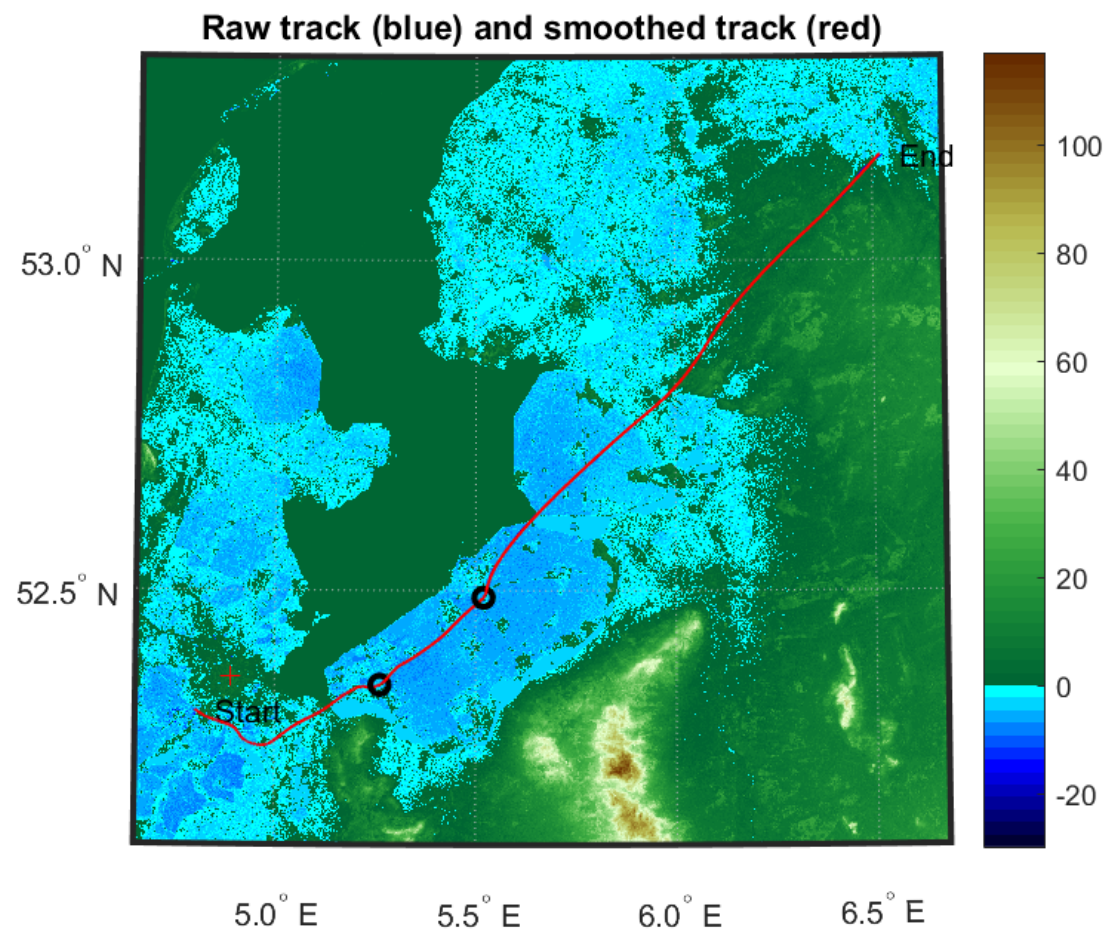
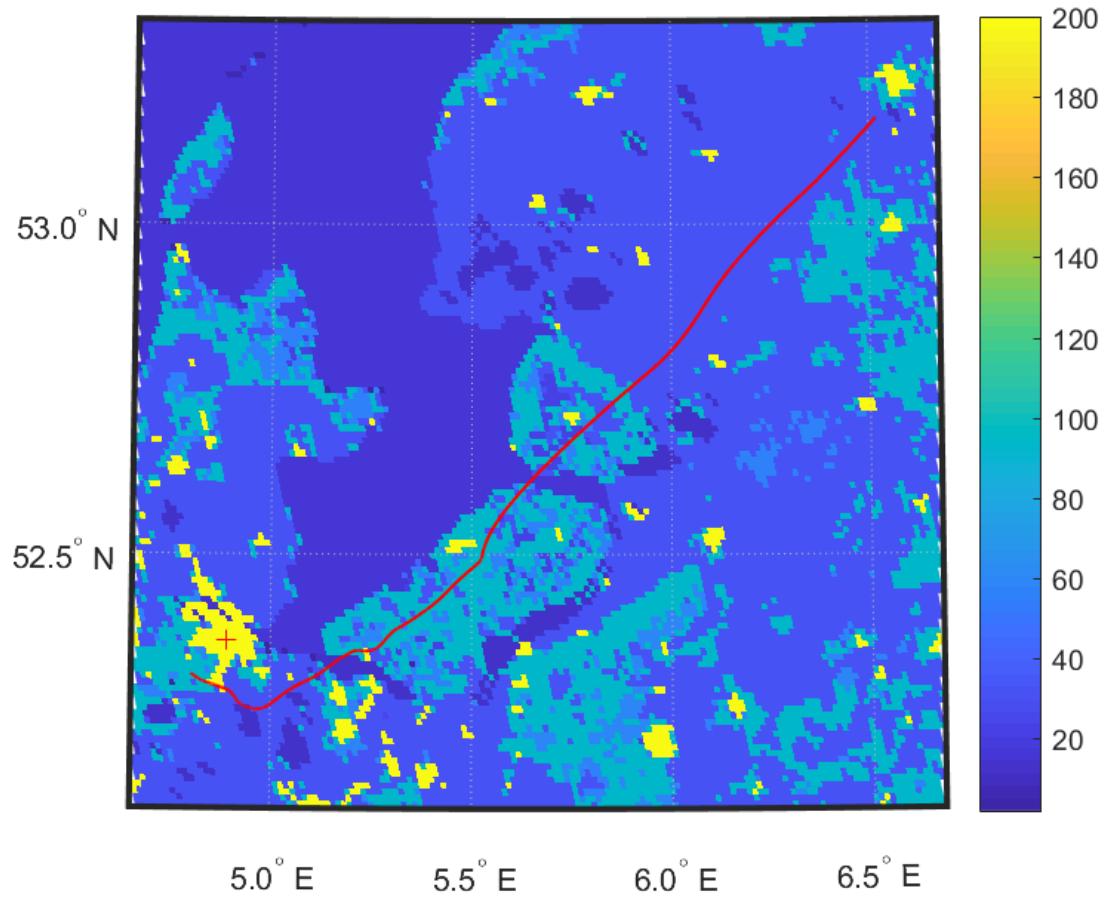
Bovenkerk

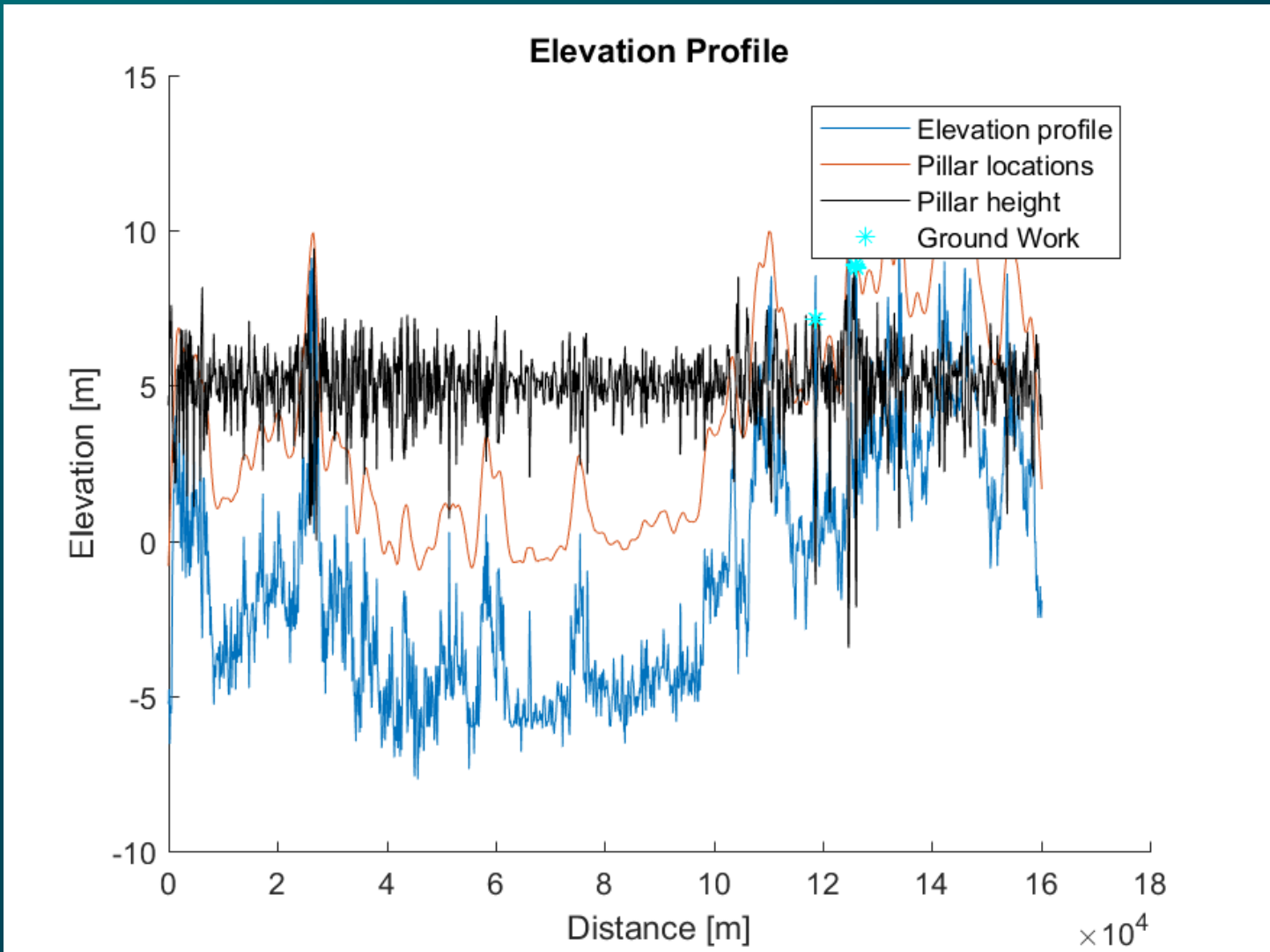
Ouderkerk aan de Amstel

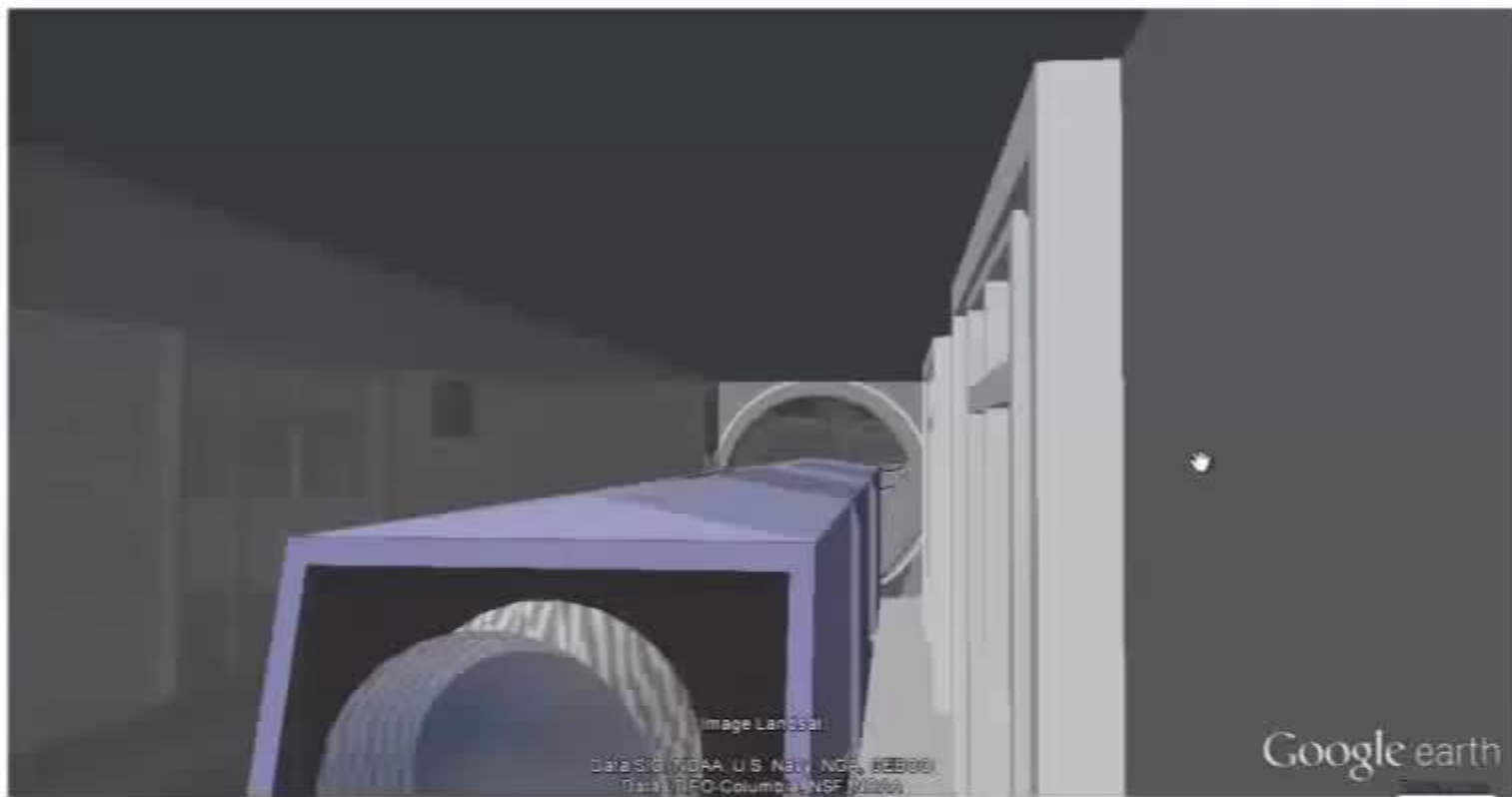
Ouder-Amstel

Rozenburg









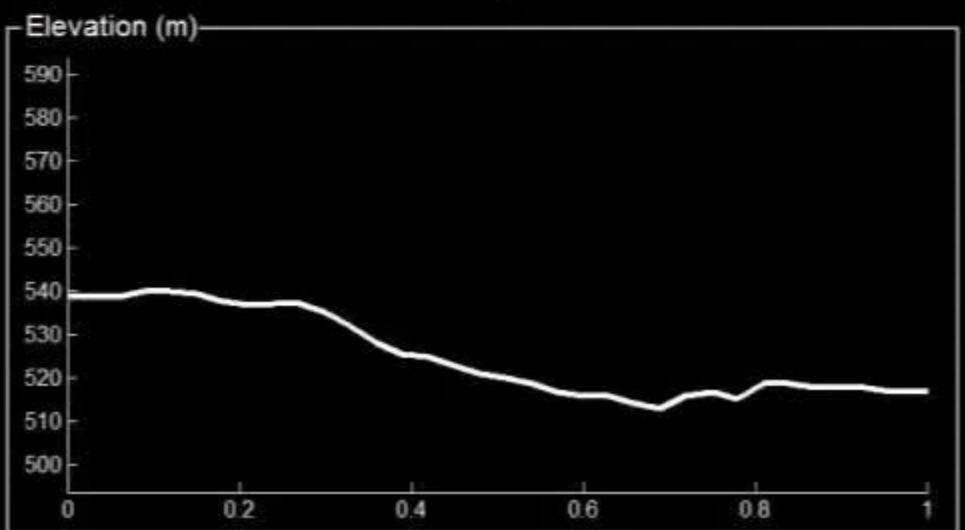
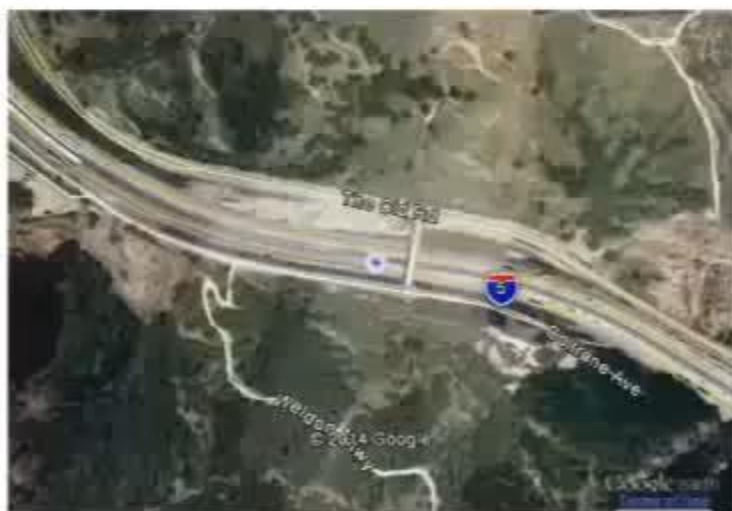
Status

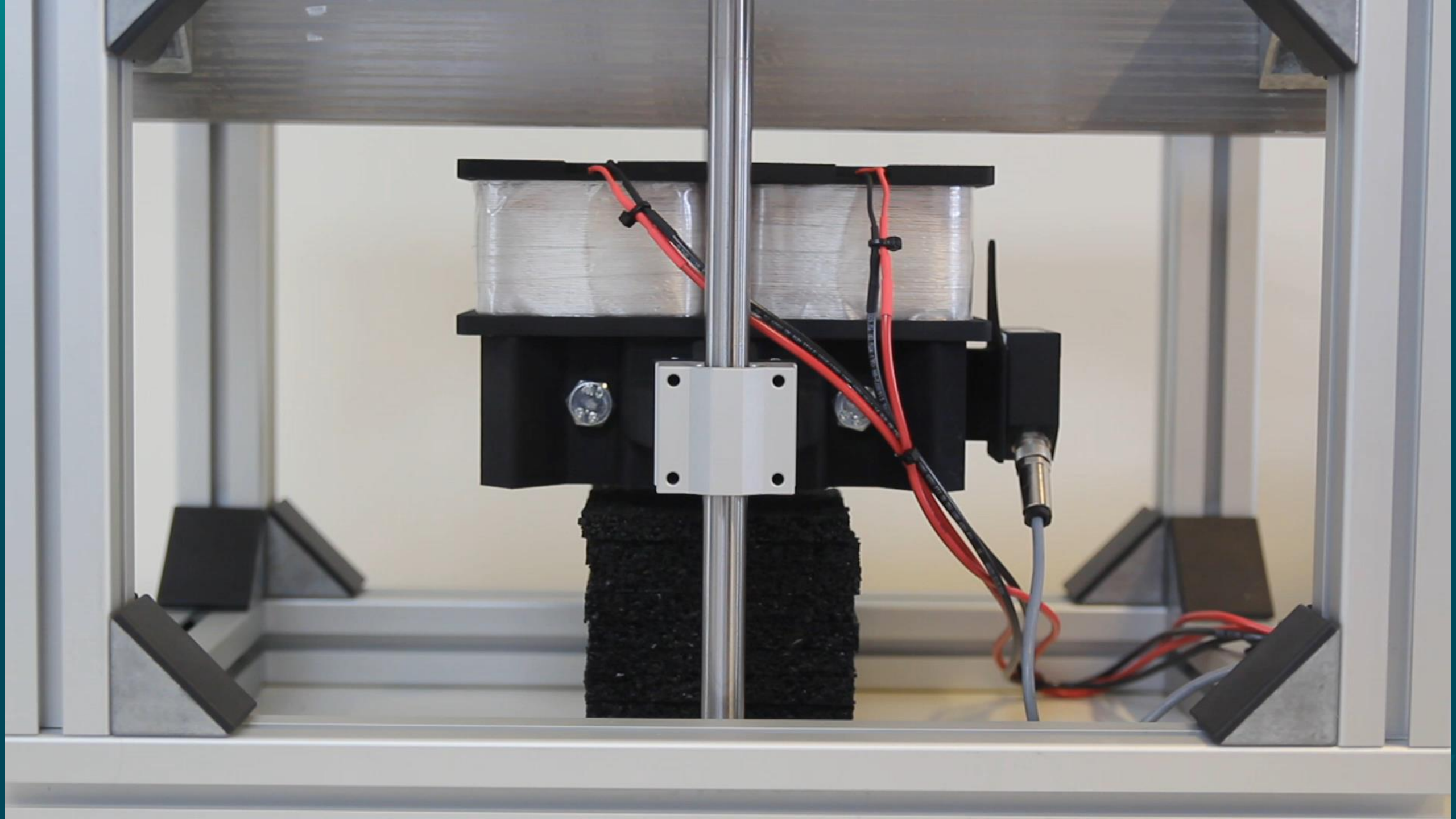
Speed : 0 (mph)

Distance Traveled : 0.0 (miles)

Travel Time : 0:00

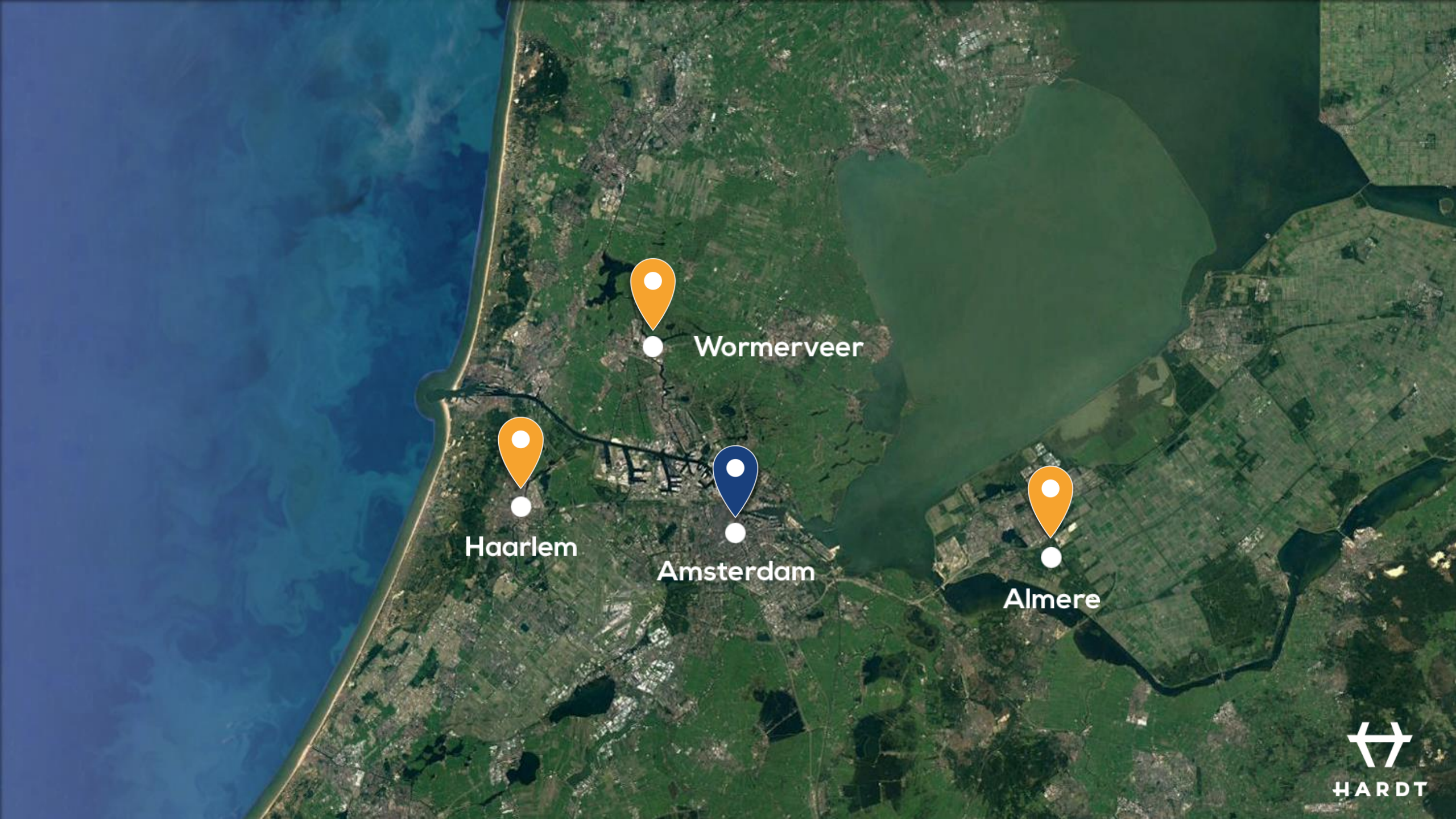
Time to Destination: 35:44



- Heating Ventilation and Air Conditioning (HVAC)
- Cooling
- Lighting
- Airlocks
- Life-support

Certification



Wormerveer

Haarlem

Amsterdam

Almere



**THE
NETHERLANDS**

Amsterdam

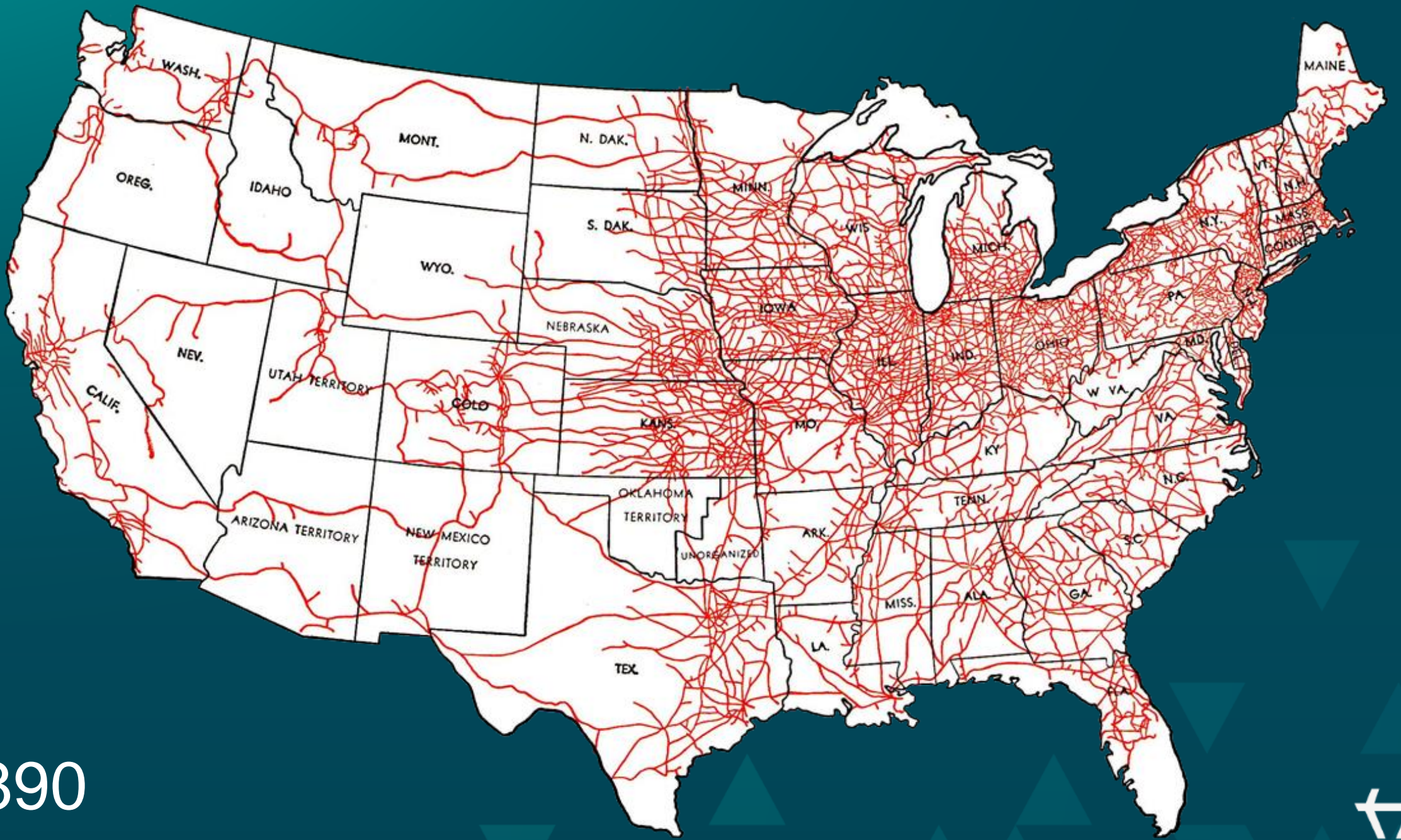


**THE
NETHERLANDS**

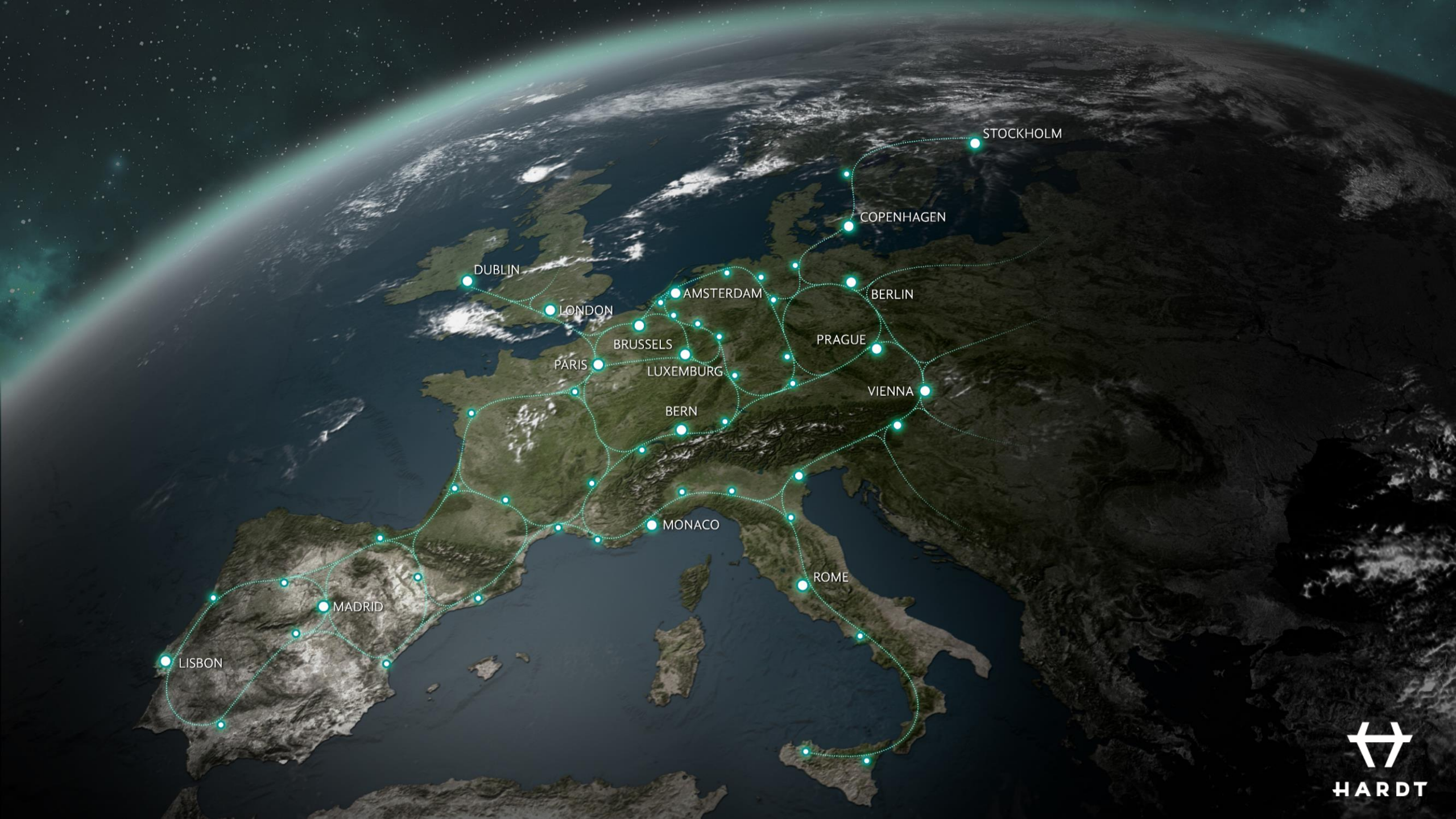
Amsterdam



1870



1890



STOCKHOLM

COPENHAGEN

DUBLIN

AMSTERDAM

BERLIN

LONDON

BRUSSELS

PRAGUE

PARIS

LUXEMBURG

VIENNA

BERN

MONACO

ROME

MADRID

LISBON



Regions where distance just doesn't matter

Freedom to live and work, wherever you want

Go anywhere, anytime