

# PROJECT OVERVIEW - AND OPERATIONAL DATA

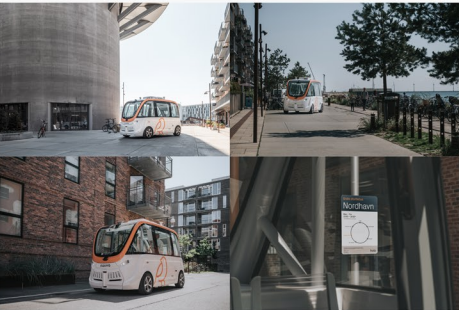


Operations data summary and technical project description of the 4 AVENUE pilot sites. Project funded by Horizon 2020 with the aim of testing and developing autonomous technologies towards a full scale implementation in public shared transport. The four pilot sites are Lyon, Luxembourg, Geneva & Copenhagen.

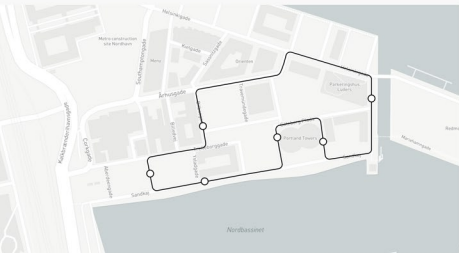
## AVENUE SITE INFORMATION



### Nordhavn, Copenhagen



Active: **Aug 2020 - Mar 2021**  
Route length: **2 km**  
Vehicles: **2**  
Driving mode: **Metro**  
Stops: **6**  
Operational hours: **Mon-Fri 8-17**



### Ormøya, Oslo



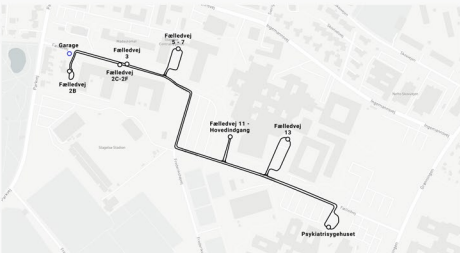
Active: **Dec 2019 - Dec 2020**  
Route length: **4 km**  
Vehicles: **4**  
Driving mode: **Metro**  
Stops: **10**  
Operational hours: **Mon-Sun 8-22**



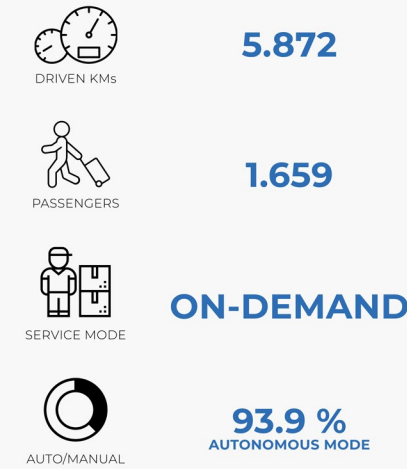
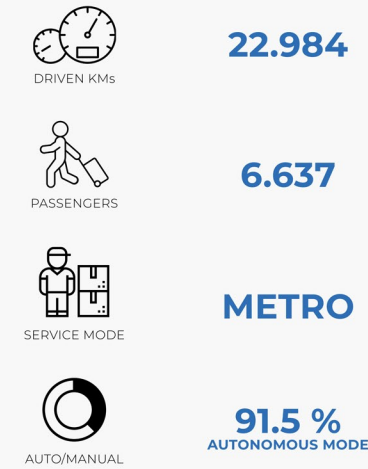
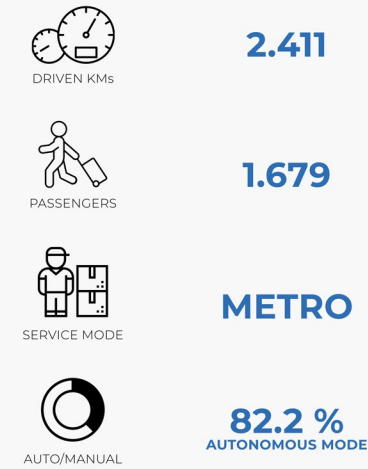
### Slagelse, Copenhagen



Active: **Aug 2021 - Aug 2022**  
Route length: **5,5 km**  
Vehicles: **2**  
Driving mode: **On-demand**  
Stops: **7 virtual stops**  
Operational hours: **Mon-Fri 7-16**  
Order: **Via touchscreens in the site area**



## OPERATIONAL DATA



## SITE LEARNINGS & ACHIEVEMENTS

- Driving in urban city center, Copenhagen.
- Driving in busy city area with many obstacles like truck deliveries, bicycles, e-scooters etc.
- First Danish approval for public roads
- 2 years of approval time turned into many learnings and recommendations for the authorities - including multiple approval reports.
- Driving with patients in hospital area, Copenhagen Region.
- Driving on-demand, fully integrated with PTA Movia and their mission management system.
- Learnings about braking algorithms when carrying fragile passengers.
- Driving in residential area with many passengers going into Oslo.
- Driving 4 shuttles on one route for long operational hours.
- Driving Navya vehicle in real snow conditions - many learnings.
- Opportunity to compare Danish and Norwegian approval system - Danish much behind.

TOTAL **31.267 KM** **9.975**

## KEY HIGHLIGHTS

- First Danish approval
- Highest uptime in Holo history with Navya vehicles
- High complexity roads in city center
- Complete integration with public transport authority - the Navya vehicle being just another vehicle in a system for public transport.

