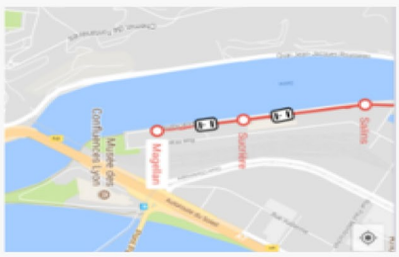
PROJECT OVERVIEW - AND OPERATIONAL DATA

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

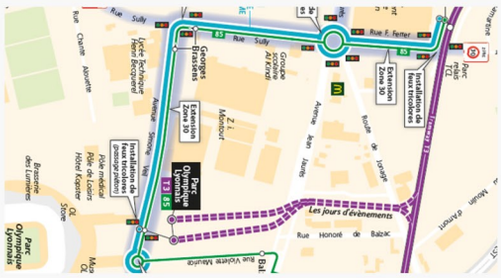
NAVLY, Lyon

Active: Sept 2016 - Mar 2020
Route length: **1.5 km**
Vehicles: **2**
Driving mode: **Metro**
Stops: **5**
Operational hours: **Mon-Sat 7:30-19:00**



OL Vallée, Lyon

Active: **Nov 2019 - Mar 2020 / Sept 2020 - Mar 2021 / Av 2022 - Oct 2022**
Route length: **3.5 km**
Vehicles: **2**
Driving mode: **On Demand**
Stops: **14**
Operational hours: **Tue-Sat 12-20**



OPERATIONAL DATA

DRIVEN KMs	**60 000**	DRIVEN KMs	**18 000**
PASSENGERS	**45 000**	PASSENGERS	**6 000**
SERVICE MODE	**METRO**	SERVICE MODE	**On Demand**

TOTAL **78 000 KM** **51 000**

SITE LEARNINGS & ACHIEVEMENTS

- Integration of autonomous shuttles in a difficult social environment
- Development of new V2X functionalities specific to the OL Vallée site
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- Development of new V2X functionalities specific to the OL Vallée site
- Supporting the economic development of a new district by proposing a new mobility offer integrated to the public transport network
- Integration of the service into the Keolis Lyon public service delegation contract
- Participation in the work carried out by the Ministry of Transport of the French Republic to establish the basis for the future regulation of autonomous vehicles
- Simulation of difficulties on a test site to validate the ability of autonomous shuttles to meet the challenge on open roads
- Assessment of needs to enable autonomous shuttles to be certified
- Social survey conducted to assess the ability of these new vehicles to fit into the urban landscape

KEY HIGHLIGHTS

- **World's first open-road autonomous shuttle experiment**
- **Development of V2X communication to ensure the passage of intersections**
- **Roundabout passage with 45,000 vehicles per day**
- **First on-demand service without safety driver intervention**

Partner name: **Keolis Lyon**
Project period: **May 2018 - October 2022**

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