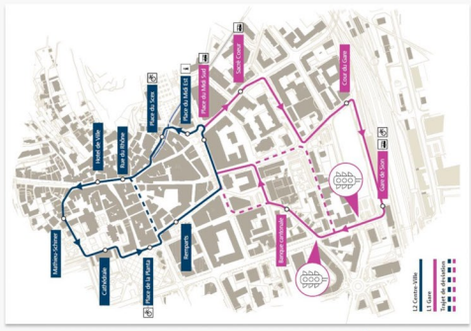
PROJECT OVERVIEW - AND OPERATIONAL DATA

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

Sion, Switzerland

Active: **Jun 2016 - Oct 2021**
Route length: **3 km**
Vehicles: **2**
Driving mode: **Metro**
Stops: **13**
Operational hours: **Wed-Sun 7-18**



Uvrier, Switzerland

Active: **April 2021 - October 2021**
Route length: **3 km**
Vehicles: **2**
Driving mode: **On Demand**
Stops: **16**
Operational hours: **Mon-Fri 7-18**

OPERATIONAL DATA

	Sion	Uvrier
DRIVEN KMs	22 600	696
PASSENGERS	54 000	853
SERVICE MODE	METRO	On Demand

TOTAL 23 296 KM 54 853

SITE LEARNINGS & ACHIEVEMENTS

- World's first autonomous shuttle in public operation
- Driving in busy city area with many obstacles like truck deliveries, bicycles, e-scooters etc.
- 2 years of approval time turned into many learnings and recommendations for the authorities - including multiple approval reports.
- Development of communication protocol between traffic lights and vehicles (V2I)
- The SmartShuttle can be described as safe and environmentally friendly.
- The population has demonstrated a high acceptance rate in the use of this new technology.
- Integration into the timetable due to the densely populated pedestrian zones is very difficult to implement. More flexible on-demand concepts with automated shuttles would have to be examined.
- On-demand, fully integrated with ioki and their mission management system in Uvrier

KEY HIGHLIGHTS

- **World's first autonomous shuttles in public operation**
- **Development of V2I communication to ensure the passage of intersections**
- **One of the first on-demand service with autonomous vehicles**
- **Test sites with larger fleets (more than 10 vehicles) are needed**
- **The customer had the opportunity to try out various booking options, including a virtual avatar.**

Partner name: **PostAuto**
Project period: **September 2020 - October 2022**

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