

# NAVYA



## ABOUT NAVYA

- NAVYA is a leading name worldwide in the autonomous vehicle market and in smart shared mobility solutions, the only pure player to commercialize a range of autonomous vehicles
- With 10 years of R&D, NAVYA has conceived, developed and produced the AUTONOM range, an autonomous, shared and electric mobility solution

### ABOUT Autonom® Shuttle

- A driverless, safe, reliable and comfortable public transport vehicle designed to satisfy the specific needs of a driverless vehicle whilst optimizing on navigation and safety functions for the first and last mile
- The shuttle is 100% electric and has a top operational speed of 25 km/hour

### Usage and Design

The vehicle is equipped with the latest generation in technology to enable it to navigate effectively and position itself with high precision, while identifying obstacles on the road (fixed such as posts, or mobile such as pedestrians) or signage.

#### GNSS Antenna

- Communicates between the GPS sensor and a base station to determine the precise position of the vehicle at any moment

#### Odometry

- Measures the displacement and speed of each wheel to estimate the velocity of vehicle and change in vehicle position.

#### Cameras

- Detect obstacles and estimate their position relative to the vehicle. Supplement perception maps with environmental analysis (road signs, traffic lights) and classification.

#### LIDAR Sensors

- Provide 2D & 3D perception maps of the environment to allow for precise vehicle positioning and obstacle detection.

## Technical Specifications

### Capacity

Passengers	12
Seated	8
Standing	4

### Energy

Battery	Battery pack LiFePO4
Capacity kW.h	33
Theoretical average autonomy hours	9
Charging temperature °C	from 0 to +40
Operating temperature °C	from -10 to +40