Autonomous transport service in Reims

by Coralie Renard / 2018-06-19 08:44:47 / France / 6454 / FR

Year of commitment : 2018

Digital services : Mobility
Sustainable mobility : Soft modes of transport, Urban Logistics, Other, Accessibility, Other

100 000 €

Builder
Easy Mile

Manager / Dealer
Citura

GENERAL INFORMATION

The autonomous and electric shuttle service provides a direct link between the SNCF Champagne-Ardenne TGV train station and the last station of the C line of the Citura "Gare Champagne TGV" tramway from May 2 to June 30, 2018.

The objective of this autonomous electric shuttle service is to facilitate passenger journeys by offering them the opportunity to make the connection on a steep, easy and fluid route between the railway station and the tram station. Thanks to this innovative and inclusive proposal, travelers will be able to use this autonomous shuttle service with luggage, strollers or wheelchairs, this one being accessible to people with reduced mobility.

The service runs from Monday to Saturday from 7h to 13h and from 15h to 20h. The model EZ10 vehicle from the manufacturer EasyMile - has 12 seats and is equipped with an access ramp for people with reduced mobility. The autonomous shuttle uses several technologies to move and analyze its environment in real time to evolve safely (GPS, Lidars sensors, odometer, etc.).

This is the first time in France that a shared autonomous transport service has been set up for this type of use, favoring the intermodality of passengers between

two different modes. Transdev, Citura - manager of the urban transport network of Grand Reims, SNCF and EDF together show how tomorrow's mobility solutions, such as transport services in autonomous vehicles, can now answer in a practical way. to the needs of travelers. This shared autonomous mobility service will be deployed free of charge as part of an experiment.

Progress Status

Delivered

Data Reliability

Self-declared

Website Enterprise / Infrastructure

http://www.transdev.com
https://www.refletsactuels.fr/2018051018351-reims-les-transports-en-commun-testent-une-navette-autonome/amp/
https://www.caissedesdepots.fr/reims-un-service-de-transport-autonome-entre-train-et-tramway

Sustainable Development

Attractiveness :

The transport service by electric shuttle allows to cross in 2 minutes the slope that separates the terminus of the tram from the entrance of the station. So far travelers had to walk a hundred meters on a mall with a steep slope.

Well Being :

Offered on a trial basis, this autonomous shuttle service in Reims will allow Transdev to gather the feedback of users, analyze the acceptability of this innovative mode of travel and identify any improvements to be made. is fully committed to its vision of developing autonomous transport systems to build the future of mobility that will be PACE - Custom, Autonomous, Connected and Electrical.

Social Cohesion :

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Preservation / Environmental Improvement :

The autonomous shuttle is electric and silent, reducing noise and atmospheric pollution.

Governance

Corporate partnership (Transdev, Citura, SNCF, EDF, Colas)

Holder Type : Consortium of companies

Easy Mile

Builder Type : Other

Citura

Manager / Dealer Type : Private

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Business Model :

- Experimentation
- Cost sharing

Sustainable Solutions

Autonomous Shuttle

Description :

The model EZ10 vehicle from the manufacturer EasyMile - has 12 seats and is equipped with an access ramp for people with reduced mobility. The autonomous shuttle uses several technologies to move and analyze its environment in real time to evolve safely (GPS, Lidars sensors, odometer, etc.). Inside, a tablet can program the journey of the machine that rolls at nearly 10 km / h.

- How does the vehicle work?

An autonomous vehicle uses several technologies to locate and analyze its environment in real time. The autonomous vehicle can use sensors of several technologies: GPS, inertial unit, Lidars (lasers), cameras ... These sensors allow the vehicle at any time to perceive its environment and to make the good decisions to move safely, in a pre-recorded course.

- What happens if there is an obstacle?

The vehicle has sensors to detect surrounding obstacles: it slows down if the obstacle gets closer (in front or on the sides) and stops if it is too close. An emergency stop (strong braking) is triggered if an obstacle is suddenly detected in a safety perimeter around the vehicle.

- Mobility :
- Proximity services
- Collaborative transportation

Contest

Reasons for participating in the competition(s)

Service autonome partagé

Building candidate in the category

Coup de Cœur des Internautes

Grand Prix Infrastructure Durable

Date Export : 20230315004424