



MOBILITY

Autonomous Transport Systems

Strong ambition

Because moving is essential to meet, work... or simply to live, at Transdev we empower freedom to move every day with confidence thanks to safe, reliable and innovative solutions that serve the common good. We are actively involved in the energy transition and bridging the social divide.

We connect and reconnect people & communities, the rural to the urban, providing solutions tailored to the needs of our customers and passengers.

We are proud to make 11 million people travel daily across 5 continents.

We are people serving people. And mobility is what we do.

Transdev, The Mobility Company.

The Transdev Autonomous Transport Systems team has been created to prepare transportation networks to operate fleets of Autonomous Vehicles (AV) in the upcoming years.

New services for all, everywhere and anytime: we aim to keep developing inclusive, efficient and sustainable mobility solutions by gradually accompanying our clients for the introduction of shared autonomous vehicles into transport networks. We want to harness autonomous technology for shared transport.



Transdev Autonomous Transport Systems is an integrator of autonomous transport systems, including AV Supervision, autonomous vehicles and connected infrastructure.

Transdev Autonomous Transport Systems provides technologies and services to local operators and cities for autonomous mobility services day-to-day operations on a large scale. For that we combine the best of human and artificial intelligence.

Therefore, we offer turnkey shared autonomous transport solutions: from helping to choose the right services/routes to rolling out and operating services, including authorisations management and tracking customer satisfaction. We work closely with our clients every step of the way.



A pillar of Transdev's strategy is the development of autonomous transport systems, one of the major disruptive innovations in the future of mobility."

Thierry Mallet,
Chairman and CEO
of Transdev Group

THE ADDED VALUE OF SHARED AUTONOMOUS TRANSPORT FOR ALL



Global solutions

SHARED MOBILITY INTEGRATED INTO TRANSPORT NETWORK

Our solutions are tailored for the day-to-day operation of AV transport services for overall performance and revenues optimization:

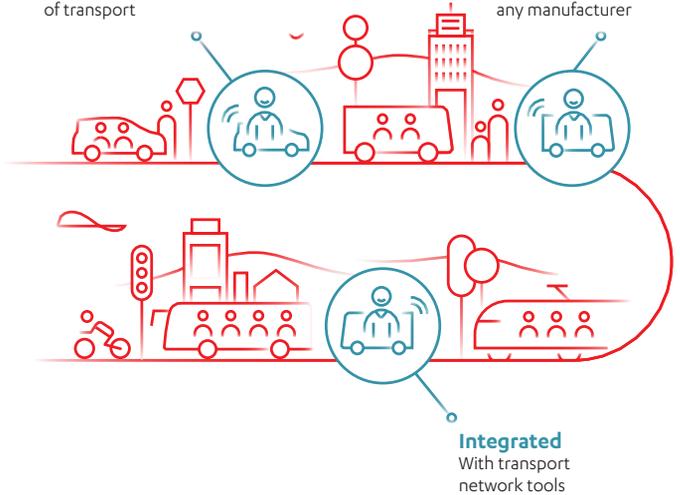
- AV Supervision technology providing fleet management, system monitoring & customer relationship;
- before operation, integration and set-up services covering all phases from exploration, service/system design, preparation, to set-up and tests;
- during operation, data-driven technical support such as assistance, learning and consulting empowered by Data Plus Supervision.

Intermodal

With all other modes of transport

Interoperable

With vehicles from any manufacturer



Our offering adapts to different use cases:



Enabling travel to the nearest mass transit station



Providing a night-time or off-peak service



Facilitating mobility within city centres and tourist attractions



Serving a private or restricted site

3.5 M
passengers transported

in autonomous vehicles (no steering wheel or pedals)

1.6 M
kilometers travelled

With Autonomous Transport Systems, Transdev is the leader in operating shared autonomous mobility services.



Consolidated expertise

The team, located at mobiLAB (Versailles Satory), is composed of international experts with strong expertise in autonomous vehicles, supervision systems and transportation operational tools, enabling a smooth deployment of AVs in existing public transport networks and allowing operators to maintain their quality of service.



Our key focus is not only the autonomous vehicle itself but also to offer a quality of service with a good customer experience. It is up to us to rethink it, for autonomous mobility, to guarantee passengers safety, comfort on board, passenger information, interaction with supervisory operators... This technological and operational mastery is key, and it is the foundation of Transdev Autonomous Transport Systems' existence"

Patricia Villoslada,
Vice President Transdev,
Autonomous Transport Systems

ONE TEAM ONE PLACE



Nationalities

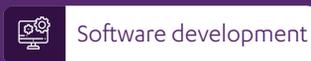


Average employee age



Of women in leadership team

UNIQUE BLEND OF EXPERIENCE



For Paris-Saclay Autonomous Lab and Rouen Normandy Autonomous Lab, Transdev is also providing the i-Cristal autonomous electric shuttle with a maximum capacity of 16 passengers, which it developed in an industrial partnership with the Lohr Group. The shuttle builds on Transdev's experience with accessibility, interior fittings and customer interfaces. Its embedded technology includes Torc Robotics' onboard L4 Asimov self-driving software. To enhance the customer experience, there are features on-board to provide comfort and atmosphere, customer-HMI interfaces and on-board services, based on ATS CX by Transdev (Autonomous Transport System Customer Experience by Transdev).



Solid track record

Our history in offering autonomous mobility started in 2005:



SINCE 2005
Rotterdam (Netherlands)
World's 1st commercial contract.
 Ferrying passengers between a metro station and business park.



2016 > 2018
Civaux (France)
World's 1st private commercial contract.
 Shuttle staff across the site of an EDF nuclear power station.



2017
Issy-les-Moulineaux (France)
 Shuttle passengers between park and ride and tram station.

Rungis (France)
1st commercial contract on open road in France.
 Carrying staff from Icade Rungis business park to the various restaurants on the site.



2018
Reims (France)
 Facilitating travel between two modes of transport.
Verdun (France)
1st transport service in France on the open road in a city center for more than two months.



Paris Motor Show (France)
 Shuttle visitors during the event to move between the halls.
Jacksonville (USA)
 Shuttle sports fans from the car park to the stadium.

2020
Santiago (Chile)
1st project in Latin America.
 Shuttle passengers between a metro station and a sports center.

2020
Linköping (Sweden)
Two-manufacturer project in Sweden.
 Shuttle passengers on the University campus of Linköping.

2014 > 2015
La Rochelle (France)
1st major project in France.
 City centre transport for residents.

SINCE 2017
Rouen (France)
 Rouen Normandy Autonomous Lab project – 3 years.
1st on-demand transport service using autonomous vehicles on the open road in Europe.

Paris-Saclay (France)
 Paris-Saclay Autonomous Lab project – 3 years.
 Autonomous, electric, shared, public and private mobility services to complement the existing mobility offering on the Paris-Saclay plateau.

2018 > 2019
Babcock Ranch (USA)
1st private commercial contract in the USA.

SINCE 2020
Gainesville (USA)
 Shuttle students to the city centre from their Florida college campus.

Rouen

- Autonomous shuttles in urban and peri-urban areas in addition to a bus line between a Tramway terminus and a BRT terminus (T4);
- Autonomous shuttles in urban areas to complement and then replace a bus line;
- Autonomous, electric and shared cars on demand to serve downtown Rouen, with fixed stops.

Paris-Saclay

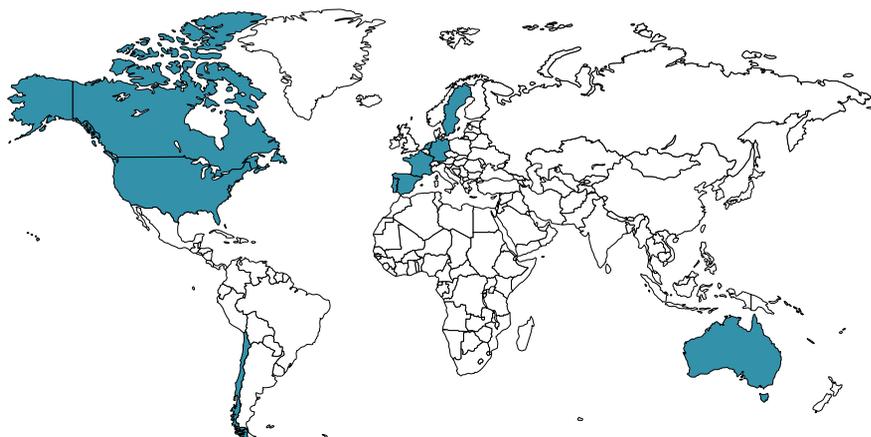
- Autonomous shuttles on a dedicated BRT line (shared with traditional PT), for a night service to and from the Masy Palaiseau station;
- Autonomous shuttles for an on-demand feeder system to bus services;
- On-demand, electric, autonomous and shared cars as public transport, accessible via a smartphone app. The proposed meeting points serve 5km² campuses on the Saclay plateau.

Two on-going projects with strong public transit use-cases

International experience

We have accompanied more than 50 deployments around the world in the following countries:

- France
- Portugal
- Spain
- Germany
- The Netherlands
- Sweden
- Canada
- USA
- Chile
- Australia



Thanks to our positioning with a range of manufacturers (EasyMile, Navya, 2GetThere, Lohr, Renault etc.), we deliver solutions for transportation services using autonomous vehicles from any brand on any network.



At the time of writing, 1000 passengers have been surveyed and have rated our services:

8.7/10 Overall satisfaction score



Feeling of trust



Recommendation rate

Transdev Autonomous Transport Systems

Christine Peyrot
Commercial Director
christine.peyrot@transdev.com

www.transdev.com

