MOBILITY

Shared autonomous transport services

transdev

Challenges in autonomous transport

#PACE
FUTURE'S MOBILITY

We believe that autonomous public transport will deliver profound changes, not only in how we travel, but also in how we live.

We aim to keep developing inclusive, efficient, and sustainable mobility solutions by gradually introducing shared autonomous vehicles into transport networks.

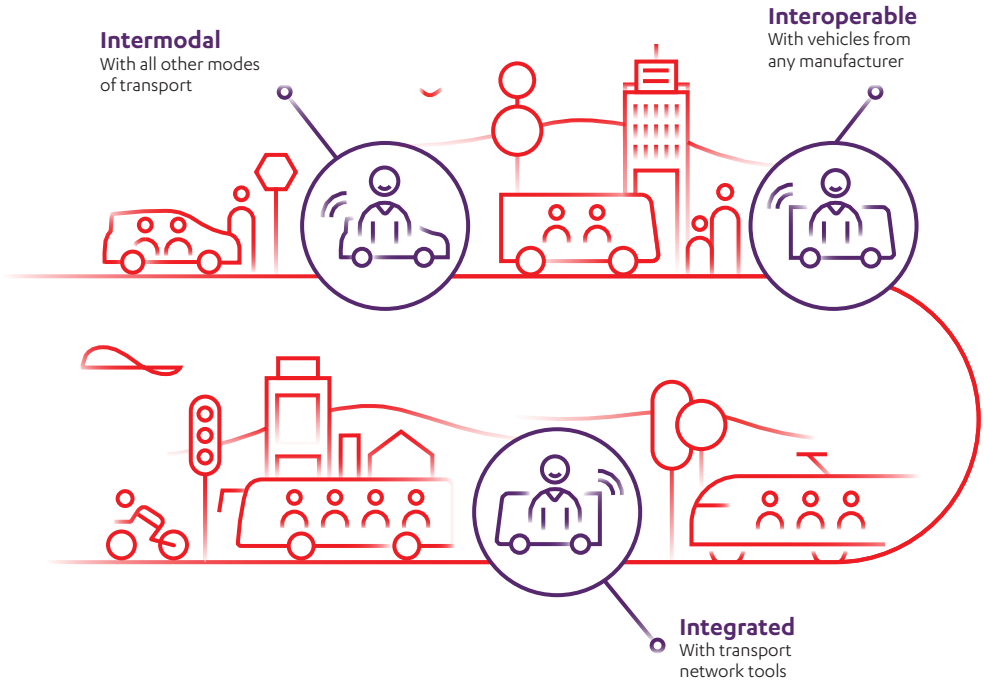
This is expected to bring a tide of benefits (as long as the autonomous vehicles are used for shared transport), including : flexible, customizable, and accessible services, more widespread stops in terms of time and distance, reduced sound and air pollution (100% electric vehicles), safer, more comfortable travel, and more integrated, smart services for the best possible customer experience.

We want to harness autonomous technology for shared transport, everywhere and for everyone !

> **The future of mobility is PACE: Personalized, Autonomous, Connected and Eco-Friendly. We are a world leader in public transport and on demand public services. As such, we are committed to testing out new kinds of mobility, giving our customers the best possible solutions to their travel needs."**
>
> — **Yann Leriche**,
> CEO North America, Head of the global B2C business line & Autonomous Transportation Systems

THE ADDED VALUE OF SHARED AUTONOMOUS TRANSPORT FOR ALL

Our turnkey solution



SHARED AUTONOMOUS MOBILITY INTEGRATED INTO THE TRANSPORT NETWORK

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

We offer turnkey shared autonomous transport solutions : from help choosing the right services/route to rolling out and operating services, including permit management and tracking customer satisfaction. We work closely with our customers every step of the way.

At the time of writing, 1000 passengers have surveyed and have given our various services an overall satisfaction score of 8.7/10, with a feeling of trust at 97%, and 97% likely to recommend us.

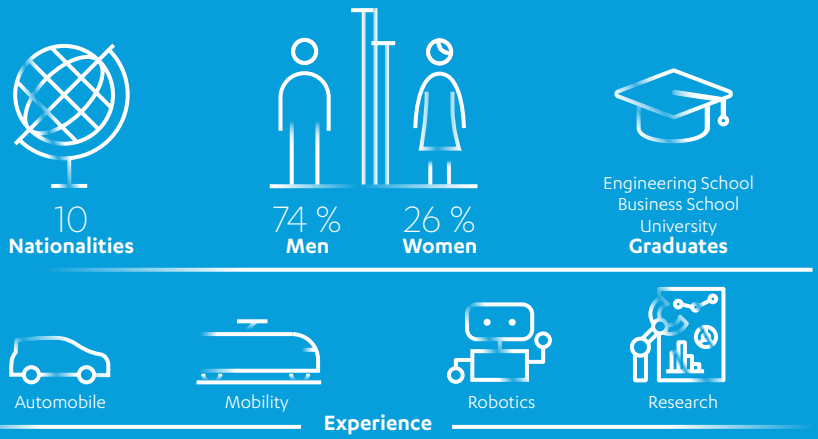
The pillars of Transdev's expertise

As an operator and global integrator of mobility, Transdev – the mobility company – gives people the freedom to move whenever and however they choose.
Transdev is proud to provide 11 million passenger trips everyday in 20 countries thanks to efficient, easy to use and environmentally-friendly transportation services that connect people and communities.

> **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

A DEDICATED, PASSIONATE TEAM WORKING IN START-UP MODE

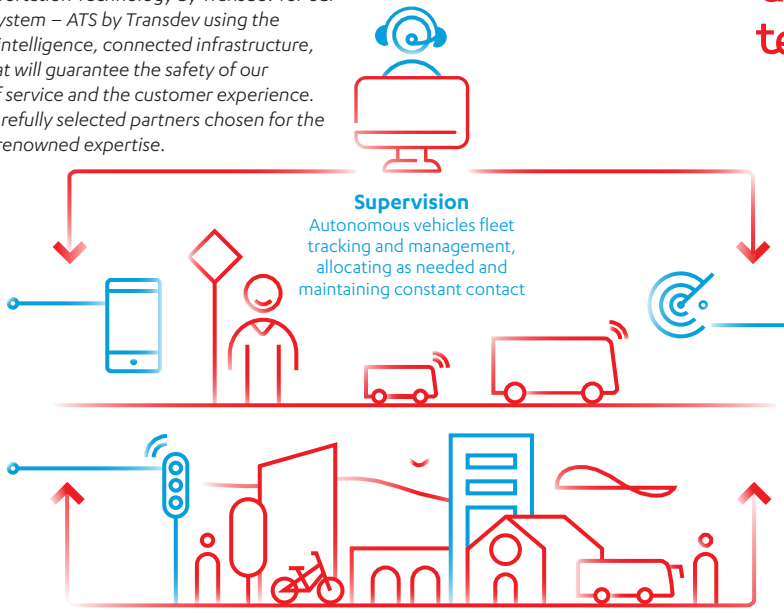
The Autonomous Transport Systems Department is staffed by international experts hailing from a variety of different sectors. The department includes an R&D team made up of expert specialists, which works closely with the Group's different business lines and subsidiaries around the world.



THE TRANSDEV AUTONOMOUS TRANSPORT SYSTEM

We are developing Transportation Technology by Transdev for our Autonomous Transport System – ATS by Transdev using the (supervision, embedded intelligence, connected infrastructure, customer application) that will guarantee the safety of our passengers, the quality of service and the customer experience. To do so, we work with carefully selected partners chosen for the quality of their work and renowned expertise.

transportation technology

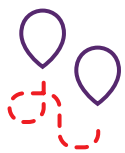


Autonomous mobility services : tailored solutions to a range of needs are already here.

As a transport operator today and in the future, we are responsible for ensuring the passengers' safety, the quality of service and want to provide the best client experience.

The applications for autonomous mobility solutions are growing in number and variety with every new project. Increasingly complex services will become available, eventually meeting other mobility needs.

APPLICATIONS DEVELOPED BY TRANSDEV



Taking care of travel from the nearest station or stop

Rouen (France)

Project RNAL (Rouen Normandy Autonomous Lab) - 3 years :
The first on-demand transport service using autonomous vehicles on the open road in Europe (three circuits of 10.5 km).
Offering shared autonomous transport services in **urban areas**, so that passengers can reach their destination in the Madrillet Tech Cluster, or get to the tram station from the Cluster **during the day**.

Giving a ride at night or off-peak hours

Paris-Saclay (France)

EVAPS Project
(Eco-mobility through Autonomous Vehicles in the Paris-Saclay Area) - 3 years :
Providing shared autonomous transport services in **suburban areas**, so that residents can reach their home (in the Camille Claudel neighbourhood) or the Paris-Saclay campus from Massy station at night and during off-peak times.
An integrated service that complements current public transport options, and makes use of **existing infrastructure (TCSP Massy-Saclay)**.

Facilitating mobility within city centres or tourist attractions

Verdun (France)

First transport service in France on the open road, in real traffic conditions, in a city centre, for more than two months.
Facilitating travel in Verdun **city centre**, providing access to the city centre shops and restaurants as well as the quayside, which is very busy during summer, all while providing connections to the bus network and park and ride facilities.

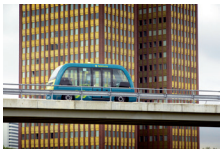
Serving a private or restricted site

Babcock Ranch (Florida, USA)

First private commercial contract in the USA.
Enabling residents **to travel around this new, green, solar-powered town thanks to a fleet of autonomous shuttles**. Experimentation with several modes of autonomous transport within this town under construction in the state of Florida, so that its 50,000 new residents can enjoy mobility "as a service".

Leader in operating shared autonomous mobility services.

We offer a comprehensive range of services, based on a solid track record that stretches back to 2005.



SINCE 2005

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

2014 > 2015

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

2016 > 2018

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

2017

Issy-les-Moulineaux (France)
Shuttling 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.

SINCE 2017

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

Paris-Saclay (France)
EVAPS Project (Eco-mobility through Autonomous Vehicles in the Paris-Saclay Area) – 3 years.

SINCE 2017

Gainesville (USA)
Shuttling students to city centre from their Florida college campus.

Jacksonville (USA)
Shuttling sports fans from car park to stadium.

2018

Reims (France)
Facilitating travel between two modes of transport.

Verdun (France)
1st transport service in France on the open road in a city centre for more than two months.

SINCE 2018

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

3.5 M passengers transported

1.6 M kilometers travelled

with Transdev shared transport services using autonomous vehicles (no steering wheel or pedals)

Transdev Autonomous Transport Systems

Christine Peyrot
Commercial Director
christine.peyrot@transdev.com

www.transdev.com

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