

The Institute for the Energy Transition (ITE)
VEDECOM is a public-private partnership
foundation dedicated to innovative and
sustainable mobility: greener,
more autonomous and better shared



Institute for Energy Transition

created in 2014, associated with Paris-Saclay University
member of FIT French Institutes of Technology

100 employees

PhD Students, PhDs, engineers, techniciens...

M€17 annual budget



Founders: private and public (France 2030/ANR, local authorities,
European Commission...)

→ 34 R&D large-scale projects

managed at the same time including 15 France 2030 projects
(French Program Investir l'Avenir) and 13 European Projects

→ 581 publications

→ 80 thesies including 69 supported

→ 2500 trained people

End of 2021 data



VEDECOM is missioned by the French State to support technological innovation and French industry. Based on an unprecedented collaboration, it gathers academic establishments, local authorities and private actors involved in mobility evolution: automotive, transport and mobility, logistics, road infrastructure, telecommunications, energy, aeronautics and defence, digital services and simulation, insurance.

This trusted third-party central role helps its members to accelerate together innovation and the deployment of new solutions. Created in 2014 as part of the "Investing in the Future Programme", VEDECOM belongs to French Institutes of Technology association involving 15 research institutes. It contributes to the "Self-driving Vehicle Plan" that forms part of the New Industrial France project (NFI).

PARTNERS

50 industrial partners

including 4 founders: RENAULT, STELLANTIS,
VALEO, CETIM

and 18 donators:

- **Automotive OEM:** UTAC CERAM, CONTINENTAL, FAURECIA, NEXYAD.
- **Operators and mobility solutions:** TRANSDEV, RATP, EASY MILE
- **Communication infrastructure:** NOKIA, TDF.
- **Energy:** TOTAL, EDF R&D
- **Digital services:** CIVITEC, ATOS
- **Aerospace & défense :** SAFRAN, ARIANEGROUP, CNES, MATRICE, NEXTER
- **Insurance :** MACIF

Academic partners

- **5 founders:** Université de Versailles Saint-Quentin-en-Yvelines (Paris-Saclay University), Gustave Eiffel University, ESTACA, ESIGELEC, IFP Energies nouvelles (IFPEN)
- **5 donators:** INRIA, CEA LIST, Cergy Paris Université, Centrale Supélec, Paris Tech

VEDECOM collaborates with 16 laboratoires



COLLABORATIONS

More than 50 universities

with partnerships in 19 different countries

National actors

- NextMoove
- Plateforme française de l'Automobile
- Industrie du Futur
- ADEME
- Ministère de l'Ecologie
- Fabrique des mobilités, etc.

Local authorities

- Région Ile-de-France
- Département des Yvelines
- Communauté d'agglomération Versailles Grand Parc
- Paris Saclay cluster
- Chamber of commerce and industry CCI Versailles Yvelines, etc.



PLATFORMS

16 platforms

- **6 platforms for autonomous driving:** 2 based on a Renault Zoé for level 4 experimentations and tests, 2 Zoé WOZ (driving with joystick and captors), 3 Easymile shuttles.
Test tracks equipped with captors and other infrastructure next to mobiLAB headquarter
- **Automated vehicles prototyping Workshop**
- **MOOVE vehicle fleet for driving data collection**
- **Virtual reality Lab:** 1 pedestrian simulator, 1 driving simulator
- **Connectivity & Supervision Lab**
- **Reliability & Power Electronics Lab**
- **Electric machines Prototyping and Fabrication Workshop**
- **E-mobility Workshop** including Smartcharging zone, Bi-directional charging zone, Inductive charging track, Inductive charging characterization test bench, Grey room, etc

3 DOMAINS OF MULTIDISCIPLINARY R&D



ELECTRIFICATION



AUTOMATED AND CONNECTED
VEHICLES



NEW MOBILITY SOLUTIONS
AND SHARED ENERGIES

The 3 R&D domains are complemented by a transversal and multidisciplinary team to bring a systemic vision of new mobility and uses: electric, automated, connected and shared, both at a French and European level.

mobilAB

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