



## Press release

Versailles, 18 October 2018

*Autonomy Summit 2018*

### Innovative mobility solutions: New immersive and interactive training

With the emergence of shared mobility, electric cars, autonomous vehicles, multi-modal transport, etc., the mobility ecosystem is changing fast. The whirlwind of digital applications, technological innovations, and new concepts means that the collective consciousness is sometimes quite far removed from the realities on the ground. Faced with this jungle of applications, technologies and concepts, how can we approach mobility in an innovative way while remaining pertinent and coherent? The answer is through training, because mobility can be learnt! At the upcoming Autonomy Summit, VEDECOM and the City on the Move Institute (IVM) will present fun and interactive new training courses to assist all those concerned by mobility solutions, from designers to the citizens themselves.

What with the ban on electric scooters in San Francisco, the open-air rubbish dump of free-floating<sup>1</sup> bicycles in China, and the fiasco of the Autolib car-sharing offer in Paris, the news is full of examples of the difficulties encountered by cities in the deployment of new mobility systems. Mobility is not instinctive, but everyone can acquire certain skills. It is becoming vital to learn about the new forms of mobility. Even if this concerns industrial players and policy makers above all, the need for learning exists at all levels, from solution designers to the general public. The figures speak for themselves: In France, **1 in 4 people** consider that they are not equipped<sup>2</sup> to use the transport systems offered by their city, while **65%** consider that ease of movement is crucial in the quality of everyday life<sup>3</sup>. So, there is a dual objective behind these training courses: to help designers progress in their techniques and raise awareness of their uses and impacts, and also to inform decision makers and users of these new mobility solutions and help them to understand them better.

#### **New training courses to tie in with the realities of new mobility solutions**

To propose new tools adapted to the different mobility players, VEDECOM is enhancing its training offer through the launch of the first e-learning module on the autonomous vehicle, the new mobility concept that raises the most questions. This immersive tool allows the trainees to embark upon a virtual journey which begins in a 0 autonomy level vehicle<sup>4</sup> and ends in a level 5 (full automation) vehicle of the future.

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<sup>1</sup> Self-service bicycles without stations

<sup>2</sup> Obsoco, Chronos / Ademe, CGET, VEDECOM, 2017

<sup>3</sup> Elabe 2018

<sup>4</sup> According to the SAE International standard



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The idea is to discover the technologies and the main challenges in their deployment. To give local authorities the keys to lead experimentation projects on autonomous vehicles, VEDECOM is also launching a new training course called "*Leading an experimentation project with autonomous vehicles*". Furthermore, new training courses leading to diplomas are appearing, in partnership with VEDECOM, for example a CESU (Certificate of Higher University Studies) on the legal aspects of autonomous vehicles at the University of Aix-Marseille as of January 2019, or the ESTACA Engineering School's project to create a new engineering diploma in "Vehicles and Autonomous and Connected Systems".

### Encouraging interactivity to master the new mobility solutions

Thanks to its collaborative structure and its partnerships, the VEDECOM Institute proposes fun and interactive training courses to learn about the latest sustainable, efficient, and safe mobility options. These training courses give a comprehensive overview of the mobility options in the institute's three fields of expertise: vehicle electrification, self-driving and connectivity, and shared mobility and energy. They focus on varied themes, from the way the new technologies work to user behaviours, as well as legal aspects and the development of infrastructures. Thanks to digital and physical tools, the trainees experiment with the new mobility solutions. They get the chance to visit research laboratories, and test an autonomous vehicle. They also have access to digital platforms to deepen their knowledge via fun pedagogical methods.

### Find us at...

- **Stand E28 at the Autonomy Summit** from 18-20 October 2018
- **The round table that we will be hosting on 19 October at 2pm: "Learning about mobilities"**, focusing on the teaching mechanisms linked to the new mobility solutions. On the agenda: a presentation of the issues facing the different players in the ecosystem of emerging mobility solutions and an overview of the solutions and initiatives supporting the transformation of this sector.

<http://www.vedecom.fr/sy-retrouver-dans-la-pluralite-des-solutions-de-mobilites-un-temps-dechanges-et-de-discussions-dedie-aux-acteurs-des-mobilites-emergentes/>



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### About VEDECOM

The VEDECOM Institute for the Energy Transition (ITE) is based on a unique cooperative approach between players in the automotive and aviation sectors, mobility ecosystem infrastructure and service operators, academic research bodies, and local authorities in the Greater Paris region. Its objective is to support these players to collectively achieve high-performance innovation in the field of mobility, especially in the spheres of electric vehicles, autonomous and connected vehicles, and shared mobility and energy infrastructures and services.

In the framework of the French government's program of Investments in the Future, VEDECOM has received €54 million in subsidies. The Institute for Energy Transition's founders are: Cetim, ESIGELEC, ESTACA, IFPEN, IFSTTAR, Groupe PSA, Groupe Renault, Safran, UVSQ, and Valeo.

**Key figures at the end of 2017:** 15 R&D projects, 10 European projects, 50 members and partners, 3 fields of research and 1 training program, over 240 publications, 28 patents, 18 copyrighted software products, 70 theses, 175 employees and a commercial subsidiary called VEDECOM Tech, created in February 2017.

### About the City on the Move Institute

Created in 2000, the City on the Move Institute (IVM) has built up its reputation through its iconoclastic, anticipative, and innovative approach to urban mobility. For over 15 years, it has been developing research projects and international actions to contribute to the emergence of innovative solutions. The Institute organises interdisciplinary scientific meetings, and implements social, organisational, scientific, technical, and cultural experiments based on different approaches:

- Fostering autonomous mobility for individuals and social groups facing specific problems
- Highlighting the quality of the places and times of movement
- Contributing to the development of cultures of urban mobility and civilities

Since 2016, the IVM has joined VEDECOM and acts within this new entity to explore the relations between the technological change and the changes in urban territories, in their social, architectural, and cultural dimensions.

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