

Flagship project

Innovation Territories: Building for the Future, Living in the Future

«Innovation territories» is an action of the Grand Plan d'Investissement, backed by the third wave of the Future Investment Programmes (PIA). The aim of this scheme is to create the territories of the future and new models of territorial development. Coordinated by the Ile-de-France Region, the project Construire le Futur, Habiter le futur (Building for the Future, Living in the Future) aims to respond to the major challenges of the Region and to support the digital and ecological transition of the housing and construction sector in Ile-de-France.

Among the projects of Construire le Futur, Habiter le futur, many actions are carried out in Cité Descartes:

- **ECOLAB Sustainable City Digital Campus:** improving the understanding, application and participation of users in sustainable development solutions on the campus via innovative digital services (ESIEE Paris, EIVP)
- **Creation of a raw earth construction sector:** contributing to the development of a raw earth construction sector (available, local, low grey energy and infinitely recyclable construction material) in Île-de-France (Gustave Eiffel University, EpaMarne, Alkern)
- **Opening the campus to new uses and polyactivity:** Cœur de campus (co-construction of a living space for campus users and residents), Fabrique des Savoirs (scientific mediation activities for the general public) (Université Gustave Eiffel)
- **LORE:** Software for 3D reconstruction of real environments and evaluation of user behavior using virtual reality (Gustave Eiffel University) - Generation of digital twins of real environments for the 2030 smart platform, supporting a better understanding of the use of the city by the inhabitants of the Region, a complement to the city planning tools for local authorities
- **SILAVILLE consultation and planning platform** (EpaMarne, Efficacy, Elioth, EUP)
- **Transversal evaluation of citizen participation and co-construction** (Université Paris-Est Créteil)
- **General wood construction company:** creation of a new industrial player in the wood construction sector (Ecole des Ponts ParisTech, Mazenq)
- **Hekka Factory of the Future:** production of quality buildings, built quickly and at controlled cost to meet the needs of a maximum number of inhabitants (Ecole des Ponts ParisTech, Agence Coste, CSTB, HAL Robotics, Supratec, XtreeE)
- **Releasing shared value:** encouraging the emergence of business models based on shared value, so that the growth of companies is built within the framework of a sustainable development approach (Ecole des Ponts ParisTech, Efficacy)

EpaMarne, the research and development centre dedicated to urban energy transition Efficacy and Université Gustave Eiffel are committed to the implementation of an experimental territory on the Cité Descartes campus, in order to imagine and design the cities of tomorrow. The Smart&Sustainable Campus partnership agreement aims to deploy demonstration projects on the campus and its surrounding area, in partnership with the site's public and private socio-economic players.

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