PROJECT FACTSHEET

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Citcom.ai

An EU wide Testing and Experimentation Facility (TEF) enabling cities to safely test and adopt AI solutions.

Inspiration

While many AI solutions exist to tackle urban challenges, cities struggle to adopt them. This is due to concerns about vendor lock-in, regulatory compliance, e.g., AI Act and GDPR, complexity of integrating them, and risk management. To overcome these brakes, CitCom.ai provides an environment ensuring trust, interoperability and alignment with European digital regulations, where municipalities can safely test AI technologies before they scale and adopt them.

Innovation

CitCom.ai is a European Testing and Experimentation Facility (TEF) designed to support AI adoption in smart cities and communities. It provides a controlled environment where AI solution providers and municipalities can experiment with AI-driven technologies, ensuring compliance, safety, and efficiency before deployment in real-world settings.
The project addresses major challenges faced by cities, such as waste management, urban mobility, energy efficiency, and public service automation, by offering a suite of services that include AI assessment, digital twins, and data space technologies. CitCom.ai operates across 15 TEF sites over, including Luxembourg, to provide cities and AI innovbators with tailored AI experimentation environment, powered by a common infrastructure.
By making the most of LIST's expertise in AI Readiness and Assessment, CitCom.ai helps cities navigate AI adoption by providing structured validation, regulatory compliance guidance, and scalable solutions. The TEF Luxembourg site plays a central role in ensuring AI solutions align with local regulations and digital infrastructure. Serveral Services are available both to AI innovators and Smart cities including testing and experimentation in :

- Data space technologies
- Local digital twin toolboxes
- Data analytics
- AI models assessment

In this project, we're focusing on electromobility, in which cities can test solutions in several fields, including:

- Optimal EV deployment (to evaluate the best location for EV charging stations)
- Vehicle-integrated photovoltaic for public transport (to assess the opportunity of installing photovoltaic panels on public transportations vehicules)
- EV chargers assessment and optimisation
- Support to clean fleet transition

Impact

CitCom.ai will:

- Enable cities to test and validate AI solutions before full-scale deployment.
- Reduce risks associated with AI adoption in urban governance.
- Provide a framework for regulatory compliance and AI trustworthiness.
- Accelerate smart city transformation by bridging the gap between AI innovators and municipal authorities.

Partners
Danish Industry , We Build Denmark , Imec , Business Tampere , Universitat Politècnica de València , Université Gustave Eiffel , RI.SE , Politecnico Milano , Nunsys , LNE , Gate 21 , Fiware , Eindhoven City Region (SRE) , Center Denmark , Technologisk Institut , Digitaal Vlaanderen , Warsaw University of Technology , Universitat de Valencia , Libelium , STIB-MIVB Brussels , Valencia Innovation Capital , Ajutament de Valencia , Mechelen , GTM - Govtech Midtjylland , Paradigm.Brussels , Luxembourg Institute of Science and Technology (LIST) , Bruxelles Mobilité , S2Gruppo , SystemX

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