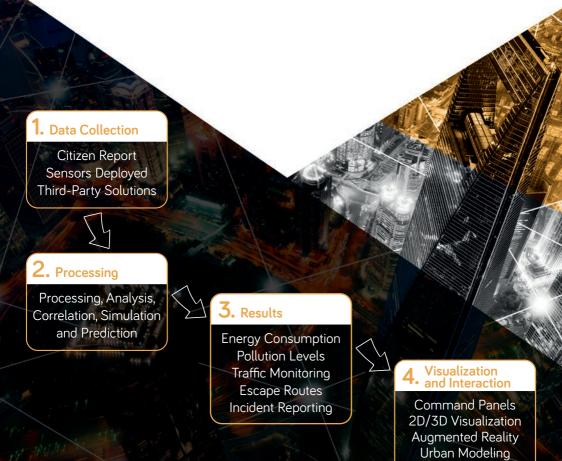# CITISIM

ITEA3

Smart Platforms New Edge

What is CitiSim?

CitiSim is an **International Project** that joins **Research, Development and Innovation** of Companies and Universities from different countries, in the field of **Smart Cities**.

Under the **ITEA3** seal, **CitiSim** is an **Intelligent Services Platform** capable of offering valuable information on multiple variables of a City, and whose knowledge directly impacts on a broad spectrum of users with several interests.

Satisfies the most demanded Use Cases

1. Data Collection

Citizen Report
Sensors Deployed
Third-Party Solutions

2. Processing

Processing, Analysis,
Correlation, Simulation
and Prediction

3. Results

Energy Consumption
Pollution Levels
Traffic Monitoring
Escape Routes
Incident Reporting

4. Visualization
and Interaction

Command Panels
2D/3D Visualization
Augmented Reality
Urban Modeling

What does CitiSim offer?

CitiSim offers a set of features that differentiate it from other solutions in the field of **Smart Cities**:

1> **Unified Intelligent Platform** capable of collecting data from multiple data sources, with support for Physical and Virtual Sensors.

2> **Modular and Scalable Architecture based on Microservices,** with tools for the development of Intelligent Services that provide an infinite number of use cases, like Energy Efficiency, Mobility and Emergency Management.

3> **Set of Forecasting and Urban Simulation Models** that provide intelligence to the services developed in the Platform.

4> **CitiSim collects Events from all standard M2M Protocols** across multiple channel types, and uses Artificial Intelligence techniques and Correlation Rules to maximize the value of the data.

5> **Advanced Data Visualization using 2D and 3D technologies,** as well as Augmented Reality.

6> **Ecosystem capable of integrating other existing Intelligent Solutions in a collaborative way,** maximizing the value of the data collected in all of them through API and connectors.

7> **A Community of Reference in the Smart Platforms market.**

" *Our world is constantly changing and with it, its requirements. Over time the Cities have become the center of everything, with a clear immersion in the Digital Age. As a consequence there is the needed to create a Platform that offers Intelligent Services to support this development.* "

Who forms CitiSim?

CitiSim is formed by a **Spanish and a Romanian consortium** with **6 Companies** and **3 Universities**.

Abalia, Project Coordinator, with **Altfactor**, **Answare**, **Beia**, **Prodevelop** and **Taiger** are the **Industrial Partners** in collaboration with the **University of Castilla-La Mancha**, the **Polytechnic University of Madrid** and the **Carlos III University of Madrid**.

CitiSim is also composed by **Citizens** who actively participate within in the Platform, **Public Organisms such as City Councils**, providing services to people's quality of life, and other **Companies** and **Developers**, creating and promoting innovative value-added services.

Industrial Partners

Research Partners