Suiting the future of smart communities
From Portugal to the world with love.
We believe that great partners empower great ideas and build the best business.

Meet some of them.
We have solutions in more than 60 cities.
Can you imagine your city as a single, integrated system?
CITY NERVOUS SYSTEM

An organic approach to City Management
The nervous system transmits signals to every part of the body to coordinate its actions.
The Peripheral Nervous System.
ubiwhere

A modular approach for shared smart infrastructure.

Easy to mix-and-match different modules into an elegant and clean solution, targeting both municipalities and different businesses across various domains.

+ 5G connectivity
+ IoT sensing
+ EV Charging
+ New business models
Privacy-preserving (Computer Vision) algorithms for Smart Cities

CCTV captures video streams to support city operations (parking, traffic)

Computing unit detects and blurs sensitive information while retrieving metadata

This project has received funding from the EU's Horizon 2020 Programme
The Central Nervous System.
Urban digital twin, a real-time status of the city

+ information from several domains and sources (traffic, electricity, pollution, waste management, urban infrastructure)

+ general overview of short-term historical data for comparison

+ capability to make decisions in real-time
Provide better public services to citizens

+ custom workflows to make data analysis easier and more efficient

+ identify closest law enforcement units for route planning and operational efficiency

+ improving transparency and accountability
Digital tools for the community

+ usable mobile applications for citizens to be able to provide feedback and report issues

+ easy integration with existing apps (SmartAppCity, CKAN, Open311)
Fostering Open Data (citizen-centric)

- enhanced open-source technology (CKAN) from FIWARE ecosystem

- engaging civic participation and open data publication

- customisable surveys for any data and context
Enabling AI

+ time-series forecasting of different datasets

+ explainable AI to help users understand the outcomes

+ estimating GHG emissions to encourage Green Deal policies
Sustainability Indicators

+ Well-defined metrics to help cities benchmark their progress towards United Nations’ Sustainable Development Goals

+ Benchmark the city throughout time with Sustainable Cities and Communities Indicators from ISO 37120 and 37122
Proven blueprint

+ open architecture approach with open-source technology and common standards

+ compliance with OASC MIMs, open APIs and FIWARE Smart Data Models

+ interoperable data formats promoting and fostering open data
Suiting the future of sustainable communities.
Guimarães
a best practice of multi-stakeholder collaboration
by the European Commission

→ **ELISE**
European Location Interoperability Solutions for e-Government

→ **Gartner**
Location Intelligence Benchmark Case Study
urban platform

GOVERNMENT & CITIZEN ENGAGEMENT

Portugal WINNER 2021

We create the future.
Suiting the future of cities and regions.

- blueprint and reference architecture for EU data space for smart cities
- real-time data collection and analysis and digital tools for the community
- citizen-centric approaches for transparency and better governance
- improving energy efficiency and reducing GHG emissions

We’re here for the long run.
Let’s go for it?

Ricardo Vitorino
Head of Innovation (Smart Cities)

innovation@ubiwhere.com