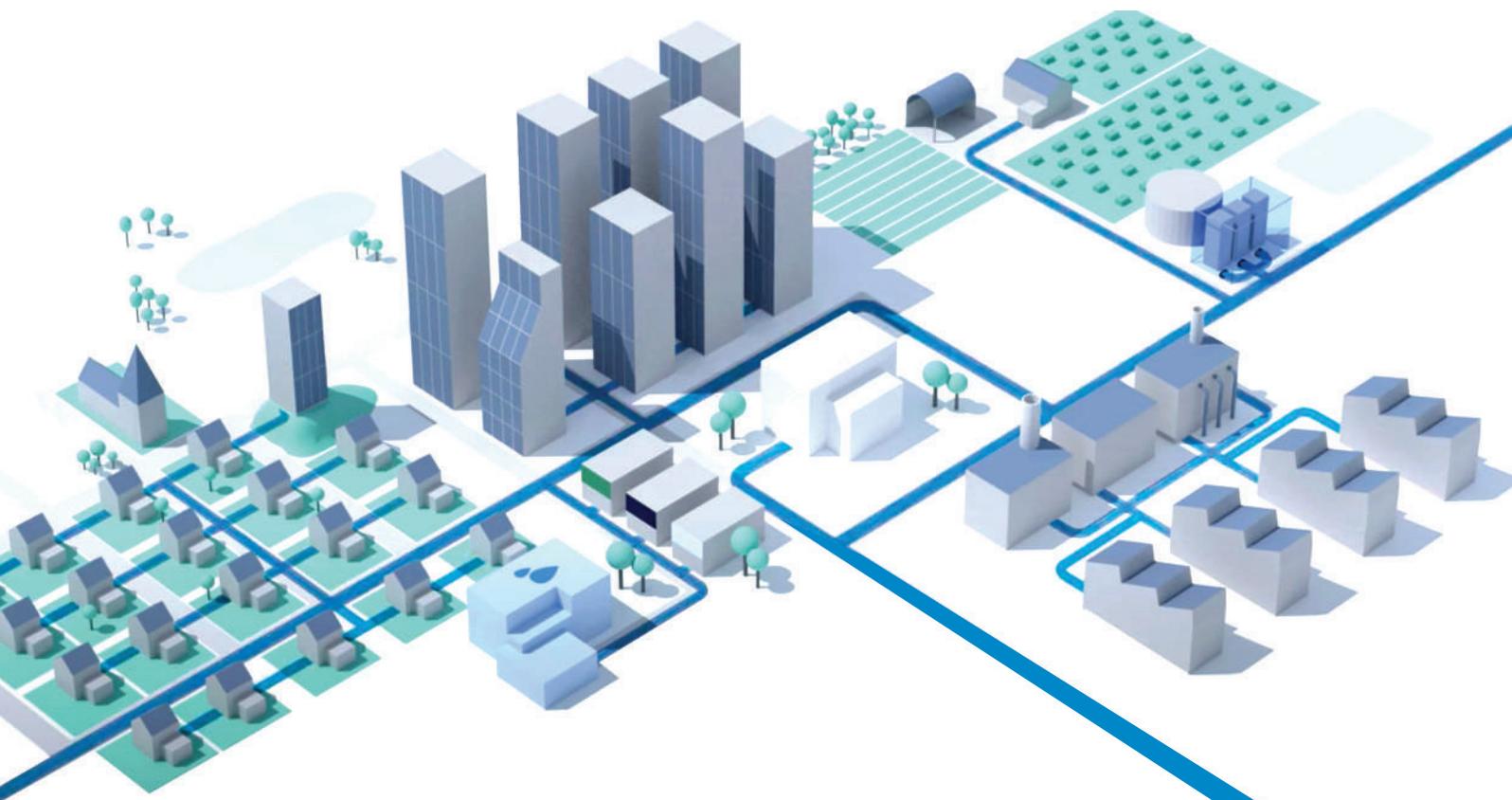


Water Wise System[®]

wakaru[®]
www.wakaru.eu

Integrated solution for monitoring and support intelligent operations management in water networks.

Focused on the integral management of the water cycle, it transforms data into knowledge, processing big-data using predictive and analytical models supported in Artificial Intelligence/Machine Learning and identifies anomalies in real time. Offers a holistic view of water networks: for human consumption and waste - domestic, industrial and rainwater, responds to and avoids interruptions, water losses and fraud in services, condition and failures of assets and communications failure. Promotes the balance between supply and demand in water flow and water pressure management while it can continuously monitor water quality.



WaterWiseSystem® is an intelligent solution specifically designed for management and massive processing of complex and heterogeneous events. Links the different realities that surrounds all networks in the context of the urban water cycle, being able to analyze parameters of water management, energy consumption, meteorology, consumption behavior of the DMAs and determines their sustainability.

WaterWiseSystem® is the first and only solution that supports water utilities in addition to reducing non-revenue water in order to be better prepared for climate change and carbon neutrality.

 <p>Front-end with a 360° view in real-time.</p>	 <p>Solution independent of protocols of communication capable of integrating SCADAs and IoT devices from various manufacturers.</p>
 <p>Predictive convergence and analytics supported in Machine Learning and Deep Learning.</p>	 <p>Faster operational decisions with alarms and smart events</p>
 <p>Comprehensive digital water balance, according to IWA recommendations sustaining the execution of non revenue water (NRW) programs, optimizing the water-energy nexus by active monitoring on energy consumption.</p>	 <p>Transforms DMAs into intelligent operation areas through continuous modeling 24/7 of flows and pressures, and actuation (automated valves for protection, flow control and pressure control).</p>

Analytical technology based solution prepared for Big Data, promotes convergence and correlates water data and energy consumption data from smart meters (instrumentation and sensors/dataloggers) installed in the networks, with external data that may be relevant as meteorology or smart city management platforms;

Predictive analysis algorithms, developed specifically for the water sector. If the wastewater network is sensorized it allows to integrate information with the WWTPs and to coordinate the response to extreme weather events;

Anomalous event detection mechanisms, uses analytical data, based on historical behavior patterns and references and does predictive analysis by classifying the type of event;

Event life cycle management and typification, from the detection, classification and measurement of their characteristics in the different aspects, supporting information, with actions and the registration of the participation of users, and verification of the resolution;

Operational activities hierarchization, based on events or other concepts - facilitates the visualization of information, allows a correct forecast, maintenance, planning and operational management in the short and medium term;

Management platform, which assists the decision-making process in planning, asset management, key indicators, operational performance parameters, in investment and other long-term decisions;

Open platform, to any external data source or data exchange, for future integrations and interoperability with systems like GIS – Geographical Information System, SCADA–Supervisory Control and Data Acquisition, Field Service, CMS–Customer Management System/Billing and ERP–Enterprise Resource Planning.



Business delivery model . SaaS Software as a Service (cloud agnostic)

Winner most innovative smart water management solution in the world



Honorable Mention for Circular Economy and Decarbonization



Honorable Mention for Interoperability



Portugal Winner in Environment and Green Energy



**LISBOA
LISPOLIS**
Rua Dr. António Champalimaud
Lote 1 Sala 2.0.5
1600-514 Lisboa
Portugal

**PORTO
UPTec**
R. Alfredo Allen n.º 455/461,
Piso 0 – Sala 0.8
4200-135 Porto
Portugal

João Mugeiro +351 919 840 084
Vitor Prisca +351 965 243 474
www.wakaru.eu
info@wakaru.eu

