



ARTEMIS WATER

• WINGS Smart Services for Efficient Water Management

WINGS has developed Artemis Water, a solution designed to significantly enhance monitoring of a water network by providing added value services in the hands of a water utility. With real time measurements, transmitted over standardized communication technologies, Artemis Water produces valuable insights on Smart Metering and Water Quality by means of leveraging the capabilities offered by Internet of Things and Artificial Intelligence.



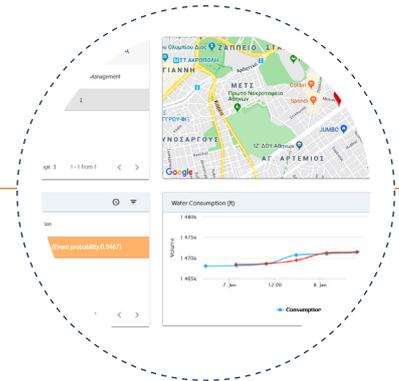
Smart Water Metering Added Value Services

With advanced capabilities such as remote real-time water consumption and flow measurement, detection of water leakage, unusual consumption patterns and forecasting of demand, water utilities can accomplish an effective reduction of non-revenue water costs and a cost-efficient planning of water resources in the long run



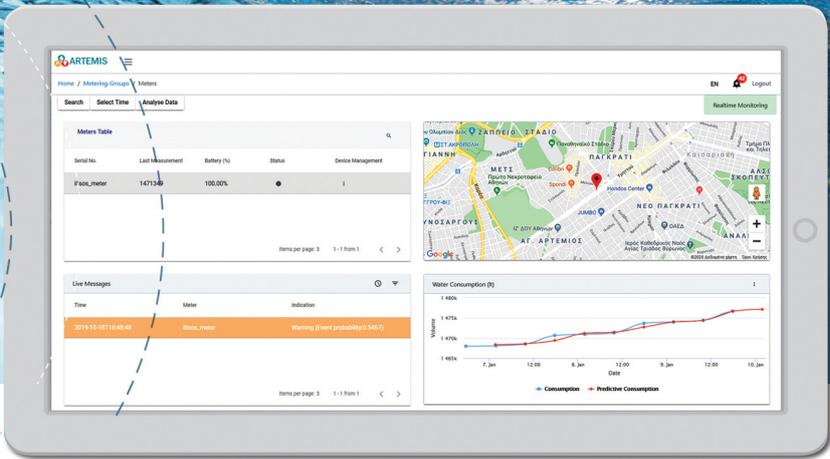
Wings Smart Gateway

A low cost smart gateway module, able to connect with more than one meters or sensor devices without any need to upgrade the entire network, with battery life reaching 10 years, retrieving data and transmitting them over any available network



Highly descriptive dashboard

A powerful dashboard providing an overview of network performance, with real-time monitoring of water quality and consumption, event detection producing alerts and notifications and advanced analytics on water quality and consumption trends



ARTEMIS WATER PACKAGE

WINGS Smart Gateway module:

- Retrieves data from sensors and meters and transmits over any available network (NB-IoT, 3G/4G, GPRS, LoRa)
- Over the air parameterization, adapting measurement and transmission profiles to user preferences
- Smart operation based on various protocols (reading pulses, MBUS, OMS, etc.)
- Edge Computing capabilities
- Device management

Dashboard depicting:

- Remote and real-time measurement of consumption and water quality with user-defined time interval
- Consumption and water quality statistics and comparisons
- Detection and early warning of incidents
- Virtual DMAs (or virtual zone monitoring) use of predictive analytics to identify deviations from normal patterns
- Localization of incidents and suggestion of hot spots for field surveys
- International Water Association (IWA) indexes
- Prediction of demand
- Remediation actions / notifications / alarms / actuation of electric switch

CERTIFICATIONS

LVD (EN 61010-1)
 EMF (EN 62311)
 IP68 (EN 60529)
 EMC (EN 61326-1, EN 301 489-52, EN 301 489-7, EN 301 489-1, EN 55011, EN 55032)
 RED (EN 301 908-13)
 RED EN 301 511
 ISO 9001:2015

ABOUT WINGS

WINGS ICT Solutions is an innovative Greek company that focuses on the development of AI-Powered IoT solutions for various vertical sectors (Smart Cities, Utilities, e-Health, Food, Shipping, Logistics, etc.) through advanced Artificial Intelligence, Big Data, Cloud, Wireless Networking and Security technologies



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