BECOME A PARTNER
Drive the digital transformation for water utilities

SMART WATER NETWORKS
Artificial Intelligence for improving the efficiency in the water-energy nexus

www.watener.com
**FUNCTIONALITIES FOR A SMART MANAGEMENT**

**WHAT MAKES WATENER DIFFERENT?**

**Visualization**
Integration of existing data, cartography & hydraulic model
- Full GIS environment and hydraulic diagram of the global network elements
- Infrastructural elements, images and documents
- Management and analysis of measured and simulated time series
- Operational thematic maps

**Monitoring**
Automatic Real Time detection of anomalies and events
- Time-Line visualization of geolocalized alerts
- Classification by severity degree and type of elements
- Quality and availability analysis of data

**Web platform for improving the efficiency in the daily operation of water and energy use of the water supply networks**

**Increase in water savings**
Anomalies detection for leaks identification on the global water network. Demand forecast & hydraulic model

**Maximum expert inner advice**
Value enhancement of tangible assets through integration of existing resources (models, data, cartography) and intangibles like inner expert knowledge

**的战略**
Key Performance Indicators (KPI) and dashboards for control and monitoring of the compliance degree of the operational and business objectives

**Web Platform**
Subscription-based licensing model or One Time Purchase
- Cloud or In-House implementation

**Reduce carbon footprint**
Public commitment to sustainability and enhanced resources management

**Reduce energy costs**
Improving energy efficiency through Smart Operation (e.g., Adjustment of pumping schedules according to energy prices)

**Short-term profitability (ROI)**
Return on investment after 3-5 years based just on energy savings

**Professional and business growth**
Operator support for improving responsiveness and consolidate and share knowledge facilitating an agile decision-making process

**Role-based and multi-device access**
Visibility and functions controlled by user roles. Improved user experience: intuitive, flexible and secure

**Corporate image improvement**
Greater availability of information, transparency and improved capacity to communicate results

**Role-based Smart Operation**
Artificial Intelligence for simulating and improving the operational strategy
- Combines expert knowledge and simulation using Pattern Recognition & Business Rules
- Training module for simulating new customized scenarios and operational recommendations
- 10’ Demand Forecast Predictor & Hydraulic Modeling

**Decision Dashboards**
Business Intelligence for real and simulated scenarios
- Operation, Management & Business public-oriented Dashboards
- Indicators based on IWA Standard and Supra-indicators for monitoring by management areas
- Hydrological balance by sector for calculating the Non-Revenue Water (NRW)

**Strategic business vision**
Key Performance Indicators (KPI) and dashboards for control and monitoring of the compliance degree of the operational and business objectives