OPERATIONAL EFFECTIVENESS
- Global hydraulic and water quality analysis of the network to deliver reliable operations.
- Enhanced responsiveness and prioritisation of actions in case of incidents.
- Optimised water production or water purchase policy thanks to improved network efficiency.
- Support to decision making regarding investments for network renewal.

NON REVENUE WATER MANAGEMENT
- Network efficiency management with real-time performance indicators.
- Detection of leaks including small and invisible leaks through advanced event management and precise localisation of incidents.
- Quantification of water losses to focus on critical or major leaks.

HEALTH AND SAFETY
- Accurate and continuous follow-up of water quality status all through the network.
- Better understanding of local water quality requirements: water origin, water blending, chlorine injection,..
- Identification and assessment of the impact of an accidental or voluntary intrusion on the network.

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aquadvanced@suez.com
SUEZ presents AQUADVANCED® Water Networks, a system that enables utilities to remotely and continuously monitor their drinking water networks to improve overall operational efficiency and deliver service excellence.

As an innovative solution that helps to:

- Monitor the water network in real-time to ensure operation reliability
- Save water resources and track water quality
- Reduce operational costs
- Provide enhanced decision support

AQUADVANCED® Water Networks
TAKE ACTION FROM COMPLEX DATA

SCADA, sensors, GIS, data historian, smart meters, Workforce Management, CRM…

Managing drinking water networks efficiently requires massive processing of data coming from multiple sources and systems. AQUADVANCED® Water Networks gathers and analyses all this data to turn it into valuable decision-making support through a user-friendly interface.

The core system provides highly effective features for hydraulic and water quality monitoring including advanced event detection and detailed analysis views.

Features:

- Map-integrated display of key information
- Real-time dashboard with collected data and calculated indicators
- Event management using advanced statistical models
- Dedicated views for detailed hydraulic and quality deep analyses

The key features for a full performance software include:

- Dashboard for hydraulic and water quality performance with indicators based on NRW, flow, pressure, quality parameters
- Network map displaying position of assets/locations and real-time data computed per hydraulic zones such as District Meter Areas, sectors of consumption or pressure zones
- Continuously updated list of process events and system events detecting hydraulic and water, including automatic estimation of missing or invalid data
- Selection of any variable through navigation for cross-analysis in different views in the software
- Display of water consumptions for large customers
- Acoustic analysis view with new indicators and map display for noise indicators and acoustic operations efficiency
- Connections to Automated Meter Reading systems to improve NRW accuracy and operational efficiency
- Quality monitoring view with specific quality indicators, map display of multi-parameter probes, secure accurate event detection, sampling points with associated lab analyzes data
- Geo-referencing of complaints and interventions with access to past, on-going and planned interventions and complaints displayed with detailed information
- Hydraulic and quality maps based on the use of hydraulic model of the network, water source, pressure, headloss gradient, water source, demand influence area, residence time

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