optimising network operations and improving customer service through real-time data management infrastructure

OPERATIONAL EFFECTIVENESS

- Global hydraulic and water quality analysis of the network to deliver reliable operations
- Enhanced responsiveness and prioritisation of action in case of incident
- 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 incident
- Quantification of water losses to focus on critical or major leaks

HEALTH AND SAFETY

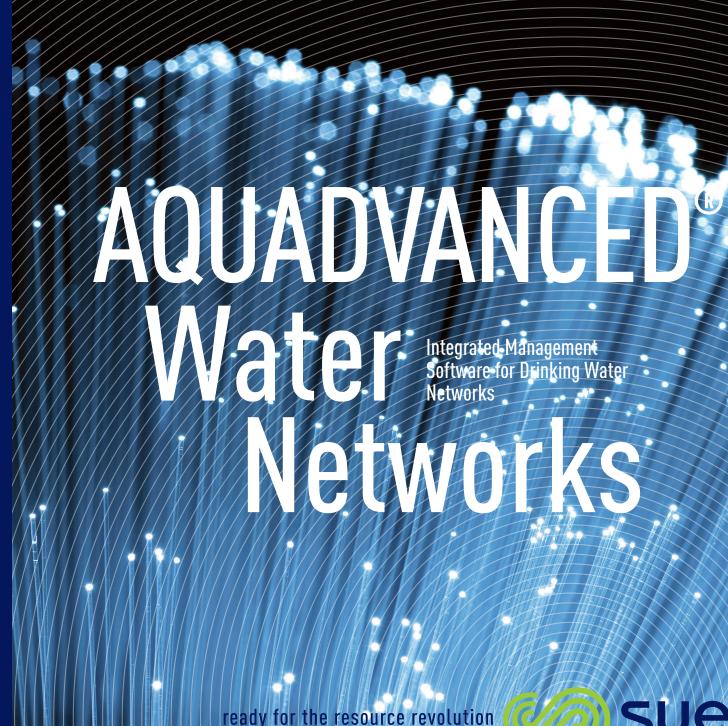
- Accurate and continuous follow up of water quality status all through the network
- Better understanding of local water quality requirements: water origin, water blending, chlorine injection,...
- Identification and assessment of the impact of an accidental or voluntary intrusion on the network



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assists water utilities in utilising data to optimise network performance

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

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



key features for a full performance software

Dashboard for hydraulic and water quality performance with indicators based on NRW, flow, pressure or quality parameters

Network map displaying position of assets/devices and real-time data computed per hydraulic zones such as District Meter Areas, sectors of consumptions or pressure zones

 Continuously updated list of process events and system events detected by statistical methods, including automatic estimation of missing or invalid data

Selection of any variable through navigation for cross analysis in a dedicated workspace

Display of water consumptions for large customers

Acoustic analysis view with noise indicators and map display of acoustic logger statuts

Connection to Automated Meter Reading system to improve NRW accuracy and operational efficiency

Quality monitoring view with specific quality indicators, map display of multi-parameters probes, accurate quality event detection, sampling points with associated lab analyses 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 a hydraulic model of the network: velocity, flow, pressure, headloss gradient, water source, reservoir influence area, residence time

