

Real Technologies is an Israeli leader in Web SCADA and telemetry technology, providing **IoT (Internet of Things) cloud-based Real Time Management solutions for water utilities**. Real Technologies was established as an Israeli breakthrough technology startup in 2007

Today, Real Technologies has an advanced proven technology named RealiteQ for a wide range of water, wastewater, energy saving, industrial operation and agriculture applications, with thousands of working sites in Israel, the USA, Europe and around the world.

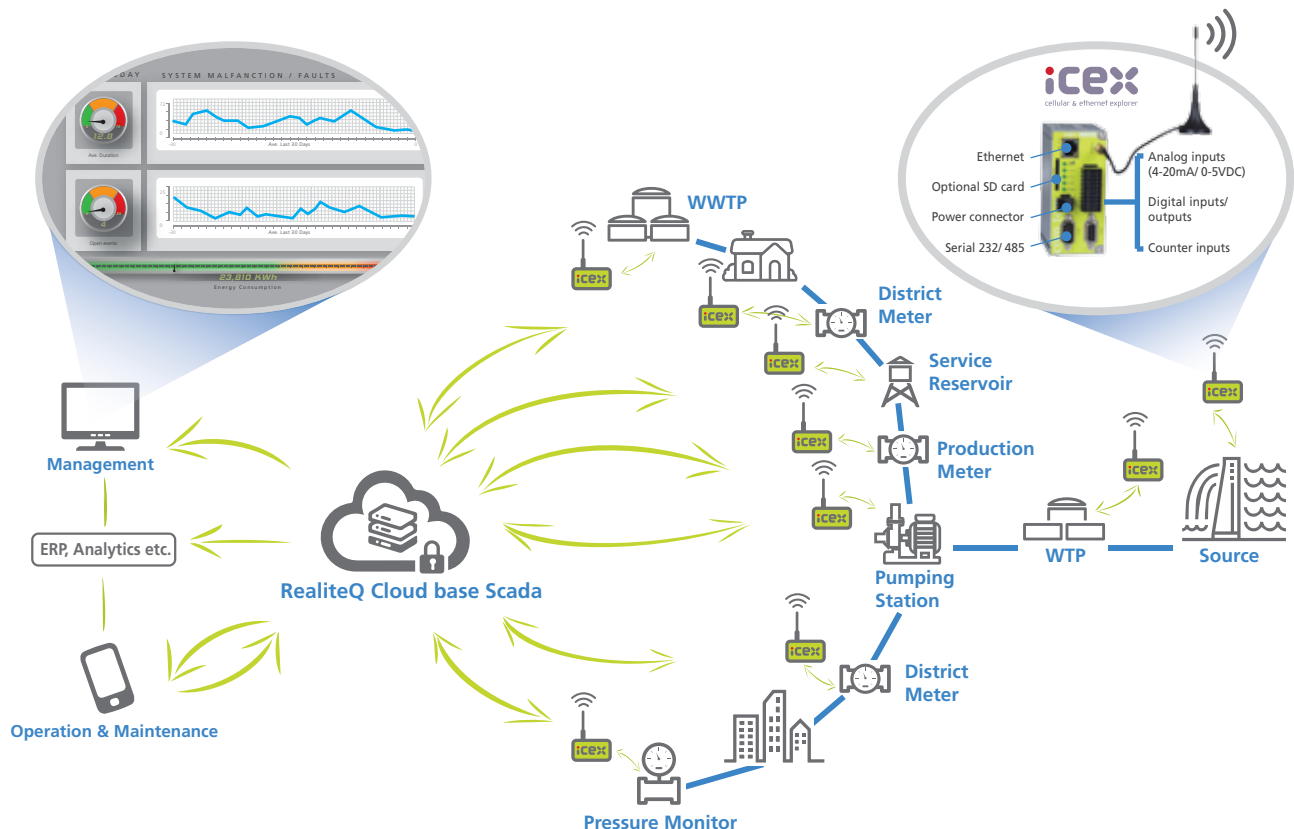
Solution and Technology

"The number one management mistake is running the business blind!" – With RealiteQ you will never ever be blind to your system!

RealiteQ was developed as an end-to-end information and communication technology (ICT) that gathers and controls critical & operational data, in real time, for water network's, analyzers and controllers. Relevant personnel, from the CEO to the field technician, wherever they may be, can view and control the system.

The technology consists of three system components:

- **ICEX** (Integrated Cellular and Ethernet Explorer) – The end unit installed in remote sites.
- **COMP** (Central Online Management Portal) – Mediates communication, data, security & users.
- **UI** – Browser-based graphical user interface (HMI/SCADA).



Solution Benefits

Water system safety and real-time crisis management capabilities: Real-time warnings for exceptional events, with an option for real-time remote intervention for crisis events.

Optimization of routine management at all levels:

- Full system visibility in real time for senior management
- Real-time tracking of routine operational data for the various water system facilities
- Capability for real-time remote operation of the various systems (remote execution of operational changes)
- Building and management of an up-to-date database of all system components
- Routine reports customized for each level of management
- Real-time push notification to existing network applications

Improved customer service: Real-time information enables improved service and transfer of information to the customer. Quick reaction time to malfunctions and exceptional events that impact customer satisfaction.

Operational optimization: Rapid response - ability to manage and control, in real time, all system components (local and remote), while saving on manpower and routine expenditure due to the capability for remote control and management of remote facilities, with limited need for field personnel.

Financial savings: Significant savings in initial investment, and savings in routine expenditures such as support and maintenance, as well as savings regarding environmental damage, thanks to rapid response capability for crisis events.

Partial List of Projects

- Remote control system for sewage pumping stations.
- Water pools level monitoring.
- Drinking water quality remote monitoring.
- Boosting pumps - reservoirs interconnectivity.
- Irrigation machines remote control.
- Desalination plants monitoring.
- Energy efficiency.
- Monitoring for filtration systems development.
- Cooling towers water treatment control.
- Remote reservoirs management.
- Chemical dosing for water treatment processes.

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