

EventLab – Online Water Quality Monitoring for Smart Water Networks

Optiqua EventLab is a solution for real-time monitoring of water quality in networked applications such as drinking water distribution networks. EventLab is designed for deployment as a high density sensor network, with distributed sensor nodes connected to a central server for data collection and processing. A network of EventLab systems allows online detection, localisation and (back) tracing of water quality issues, providing the real-time information required for a timely and effective response. Stand-alone installation of EventLab sensors, e.g. for intake protection, treatment plant monitoring and exit / entry point control for bulk water supply systems, is also possible.

NEW - EventLab 2.0

The new generation EventLab 2.0 builds upon Optiqua's established optical lab-on-a-chip technology to detect the whole range of chemical contaminations with a single refractive index sensor.

EventLab 2.0 features include:

- Improved robustness and user friendliness
- Plug-and-Play electrical and optical probe connections
- Improved optics and electronics
- IP rated enclosure and connectors
- New EventLab Online central server application
- Second generation event detection algorithms
- 2G and 3G modem options
- Serial I/O for SCADA connectivity
- Dedicated maintenance software
- USB interface for configuration and maintenance
- Integrated automatic sensor cleaning (optional)
- Sensor status self-check and automated signal optimisation

