## EventLab – Real Time Water Quality Monitoring

EventLab is the solution of choice for applications where real time, continuous monitoring of the overall stability of the water quality is crucial. Common online sensors were developed to monitor process parameters, and are insensitive to many types of chemicals that can contaminate the water. Using such sensors for event monitoring gives a false sense of security. EventLab is specifically designed to detect any type of chemical contamination in the water at the earliest stage and strongly outperforms traditional sensor technologies in the detection of contaminations. EventLab is ideally suited for a wide range of applications, such as monitoring process stability at the water treatment plant, monitoring for cross-connections, or as early warning system for integrity and security in the distribution network, e.g. detection of accidental back-flow events as well as intentional contaminations.

Online information Dashboard

A key component of the EventLab solution is its cloud based user application, which allows users to manage and control all their sensors from one central interface. This programme is ideally suited for analysis of all EventLab data, including tracking of water quality changes and events. The online application is offered as a service hosted by Optiqua, or can be locally installed in a client network environment. SCADA connectivity also available.
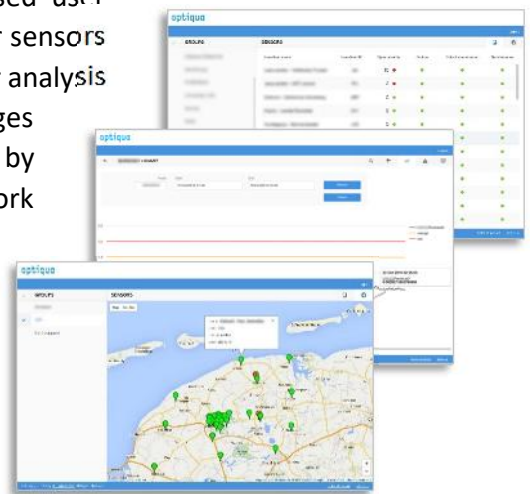
Key EventLab features

- Overall stability of the water quality captured in a single parameter
- Generic sensor covers full scope of all possible chemical contaminations.
- Early warning: real-time detection and automated alerting of water quality incidents
- High sensitivity
- Optical measurement method (refractive index) ensures robustness and long-time stability
- Low-maintenance: no calibration, no reagents
- Wireless data transmission and cloud based network overview
- SCADA connectivity (MODBUS RTU, other protocols on request)
- Suitable for stand-alone applications and for high-density sensor networks