

Monitoring of industrial waste water

The Netilion Smart System in use at Swiss Saltworks

SCHWEIZER SALINEN SALINES SUISSES

With salt produced at various locations, Swiss Saltworks supplies the whole of Switzerland with salt. About half of the annual production volume – some 600,000 tonnes in total – is used as de-icing salt to ensure the safety of road traffic in winter. Other salt products cover all the requirements and application areas for the general public in Switzerland, and for the country's industrial and commercial sectors.

"We opted to use the new Smart System for surface water to record analytical measured values. The system records analytical parameters that are important for us and passes them on to the control system. For us, the main advantage of the system is that the measured values are continuously transmitted to the Netilion Cloud and can be easily accessed from a workstation."

Michael Breitfeld
Swiss Saltworks
Pratteln, Switzerland



Michael Breitfeld



Ensuring safe transport: Road salt at the Schweizerhalle site

With Netilion, Swiss Saltworks has taken a further step towards digitalization. With the help of the Smart Systems App, the Netilion Smart System enables permanent monitoring of the industrial waste water.

The challenge for the customer

Previously, the Swiss Saltworks used a sampler from a different provider for monitoring industrial waste water. However, this antiquated installation was no longer capable of meeting today's requirements. This fact coupled with the ongoing digitalization of Swiss Saltworks led to the existing system being replaced.

Our solution

The Netilion Smart System for surface water guarantees the reliable recording of the quality parameters required by the cantonal administration:

- **Turbidity:** The Turbimax CUS52D smart sensor measures turbidity with laboratory precision and enables low-maintenance operation.
- **Conductivity:** Indumax CLS50D is a digital inductive conductivity sensor. Robust materials guarantee high chemical resistance and durability.
- **pH:** The Orbipac CPF81D is a pH sensor that is ideal for harsh environments.
- The Liquiline CM444 multiparameter transmitter collects the measurement information.
- The Modbus Edge Device transmits measured data to the Netilion Cloud.
- A smartphone application delivers the measurement, diagnostic and alarm information straight into the hands of the customer.

The result

The customer uses the measured values in their ProLeiT process control system to control the process. Integration takes place via the Liquiline's 4 to 20 mA interface. Current measured values and instrument-related information can be easily accessed via the app.

Benefits

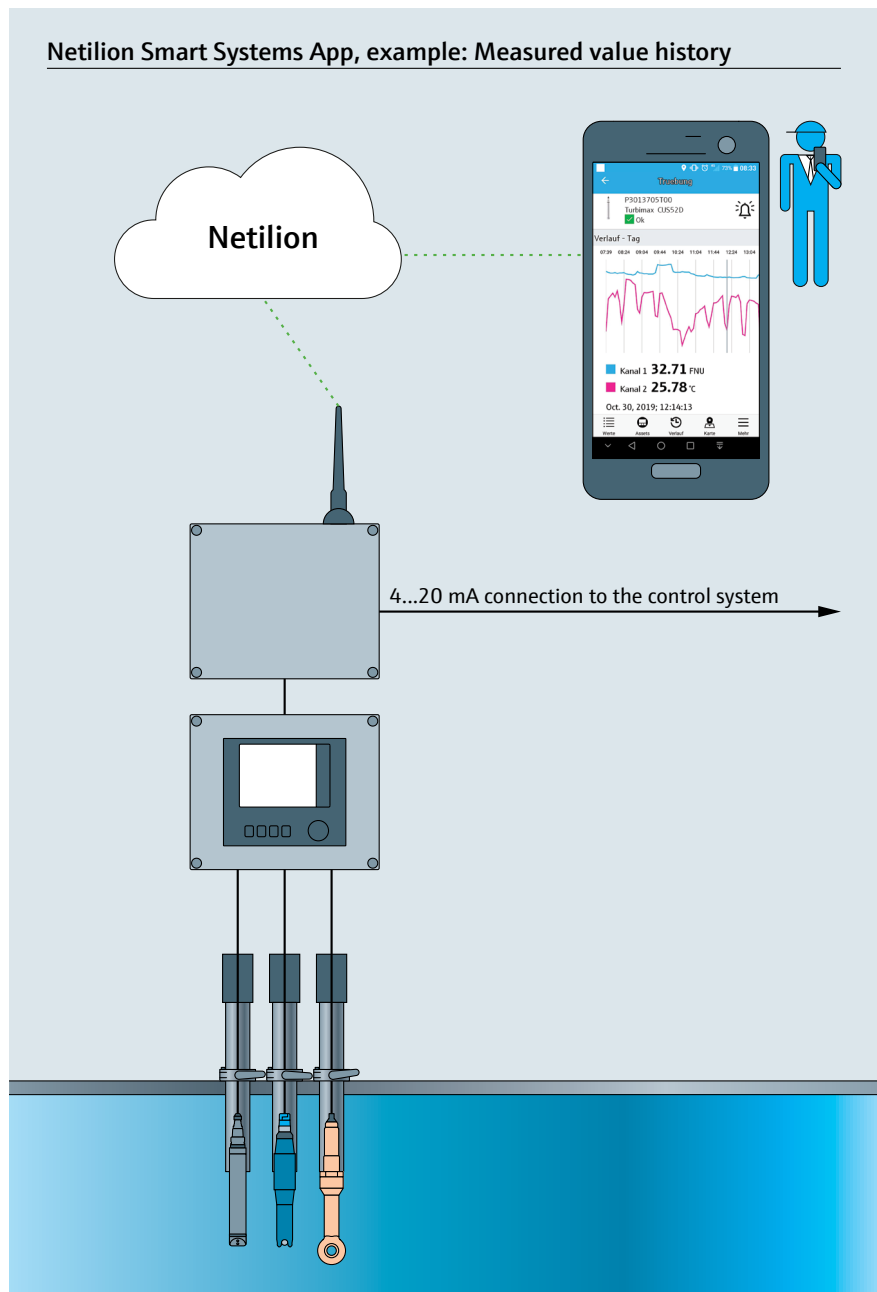
- Permanent monitoring of the recorded analytical measured values of the industrial waste water, regardless of location
- Diagnostic information on the condition of the sensors
- Data export to Excel
- Easy and fast access to the sensors for cleaning and calibration



Liquiline CM444 and Modbus Edge Device



Three sensors in installed state



Turbimax CUS52D, Orpibac CPF81D and Indumax CLS50D in the industrial waste water

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