SMART CLEANER INSTALLATION OVERVIEW

CONTROLLER

SENSOR

DRAIN

SMART CLEANER

DRAIN

SAMPLE

QSENZ
water- and gas analysis
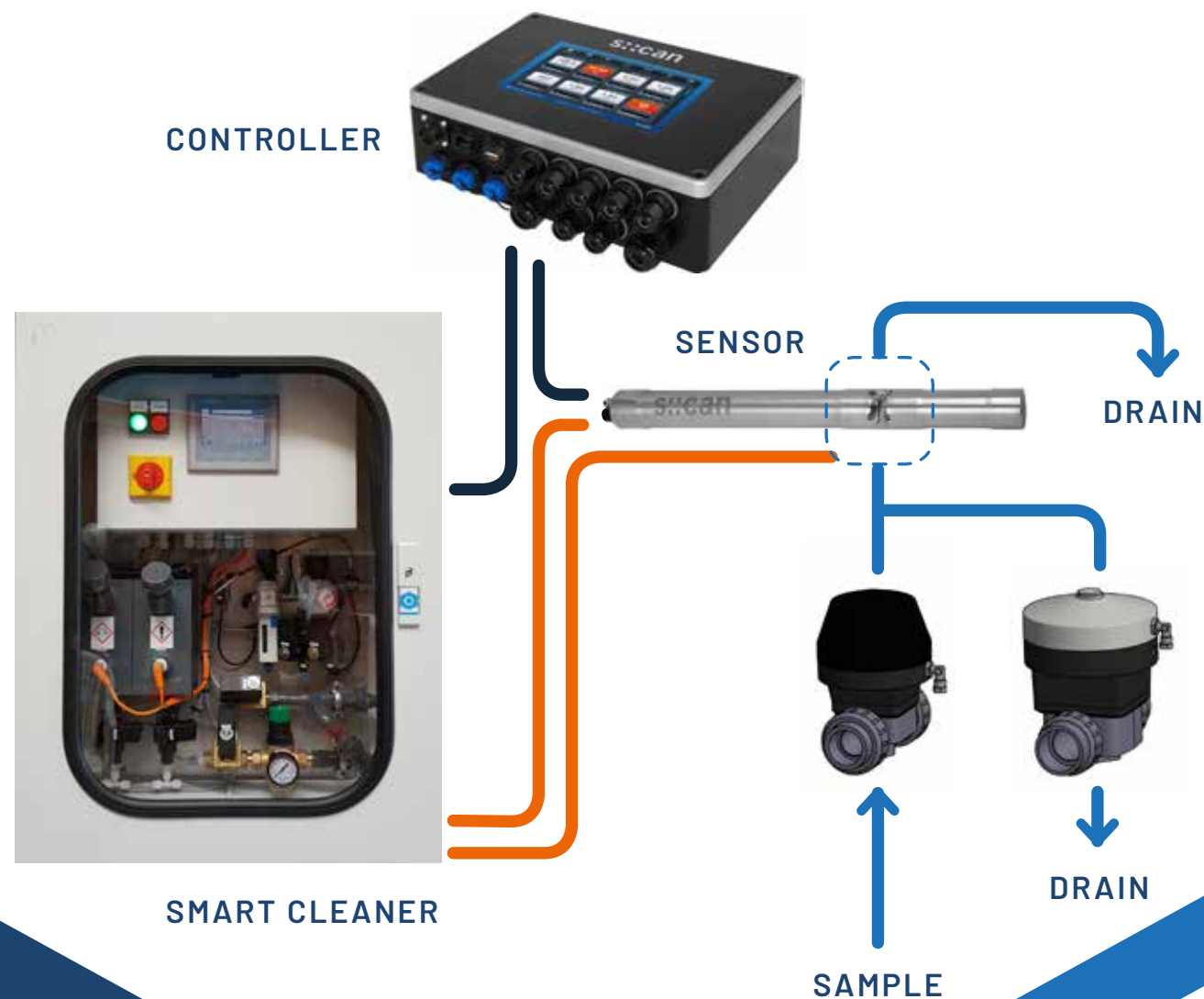
SMART CLEANER

AUTOMATIC CLEANING SYSTEM
FOR OPTICAL SENSORS

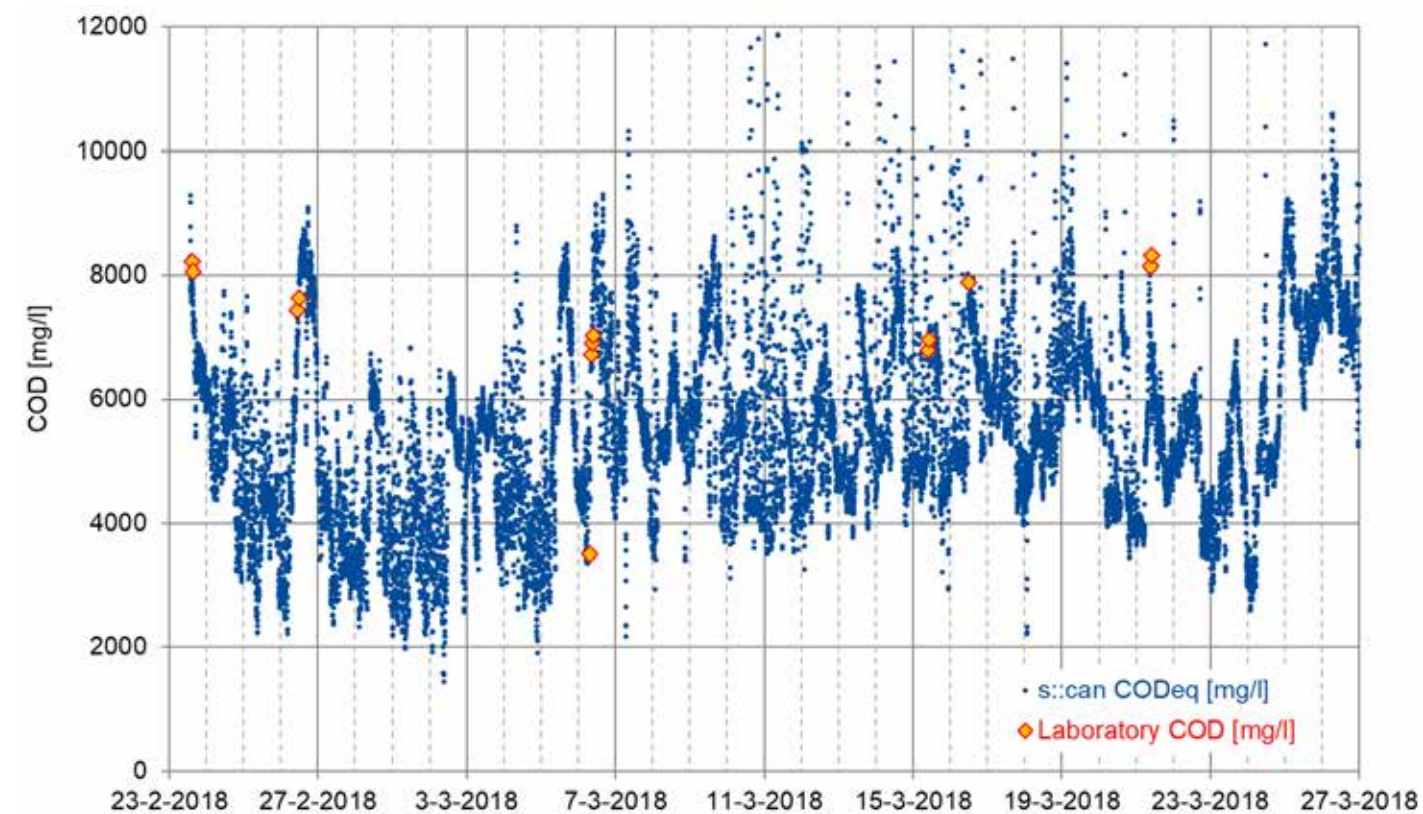Keeps your sensor data reliable!

SMART CLEANER
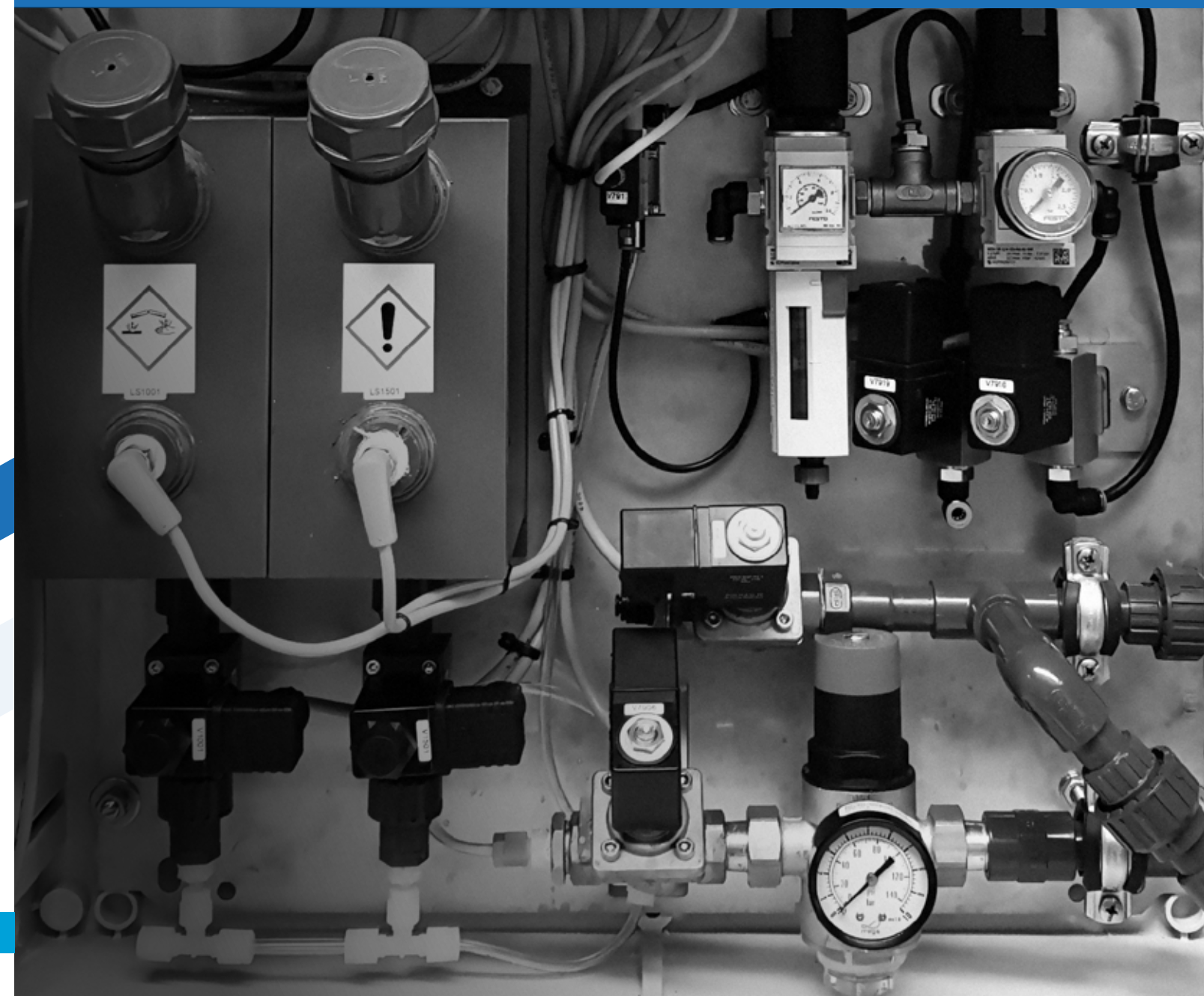
With the development of optic sensors from the last couple of years, it is now possible to measure very accurately in a wide range of applications. Parameters like turbidity/TSS, TOC, COD, BOD, color, NO2, NO3 etc. can now be measured continuously to monitor and optimize the process.

One of the main issues with optical sensors is the fouling of the optical section. The existing automatic cleaning is in dirty applications most of the time not sufficient. Resulting in unreliable data and frequently manual cleaning of the sensor. Our Smart Cleaner puts an end to this.

The Smart Cleaner is a patented automatic cleaning system for optic sensors. With this cleaning system it is possible to use these sensors in heavily polluted applications and still providing very accurate measurements/data. Our system is extensively tested in very polluted waste water installations with excellent reliable results.

⬤ MINIMUM MAINTENANCE AND OPTIMAL RESULTS

⬤ APPLICABLE IN ALMOST EVERY (POLLUTED) APPLICATION

⬤ GUARANTEED RELIABLE CLEAN DATA

Qsenz goal is to deliver systems that will need as less as possible maintenance and still give the most reliable data. With our Smart Cleaner, daily cleaning isn't necessary anymore. The system will only require a manual clean once every three months. Due to a smart combination of steps within the cleaning process, the system generates reliable data from the sensors all the time.

WEB INTERFACE

By connecting a computer to the control unit, it is very simple to connect to the web interface of the Smart Cleaner. With this option you can monitor the status real-time at any given moment.

Every application is different and therefore it needs specific cleaning settings. The Smart Cleaner has a web interface to make adjustments in the cleaning settings. With this, you can pick the best options by choosing a different interval, change the duration and the amount of cleaning fluids. The results will be the best cleaning for any application!

Online COD sensor results from slaughterhouse waste water versus laboratory measurements.

- s::can CODeq [mg/l]
- ◆ Laboratory COD [mg/l]