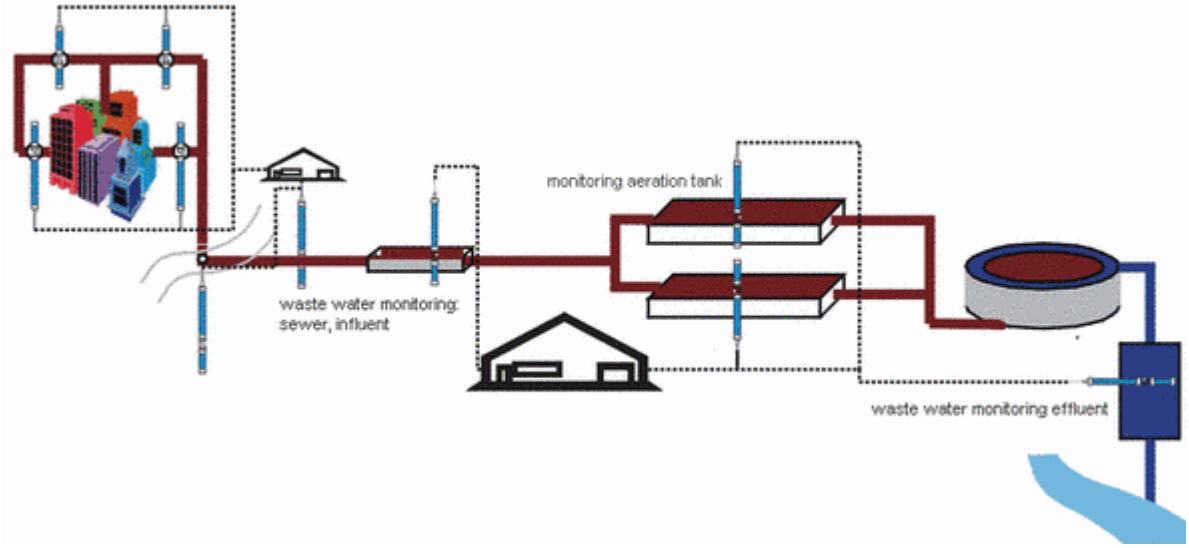
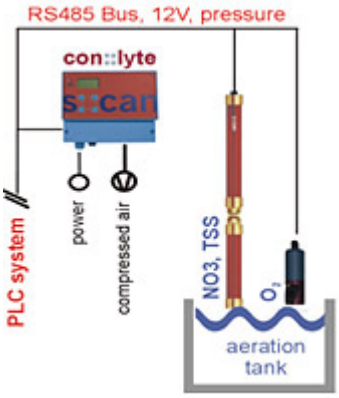
Waste water



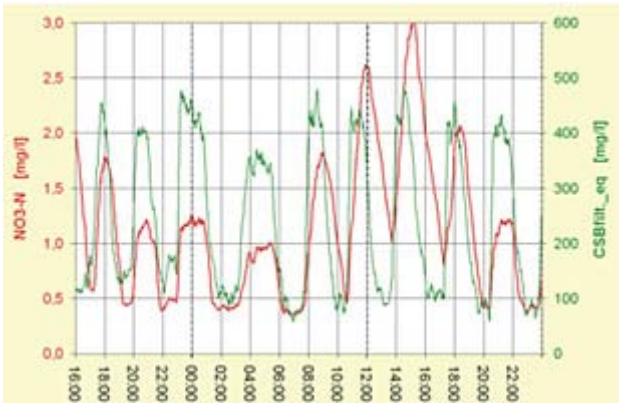
Example 1: NO3, TSS and O2 in the aeration tank of a waste water treatment plant

System description
• 1 terminal con::lyte
• 1 nitro::lyser™
• 1 oxi::lyser
Installation time: about 2 hours, including compressed air. No calibration, no configuration needed. After connection to power (110/220 or 24V) and PLC (via 4-20mA), con::lyte will display and send the first set of 3 concentration values within 2 minutes to the PLC system – without any button to push.
The accuracy is higher than necessary for control purposes (see Fig. 3) The cross-sensitivity of the measured parameters is almost zero.

System components



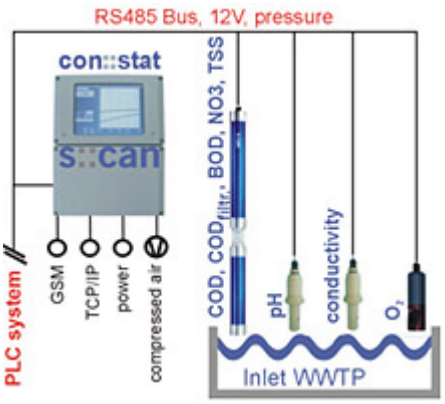
Results

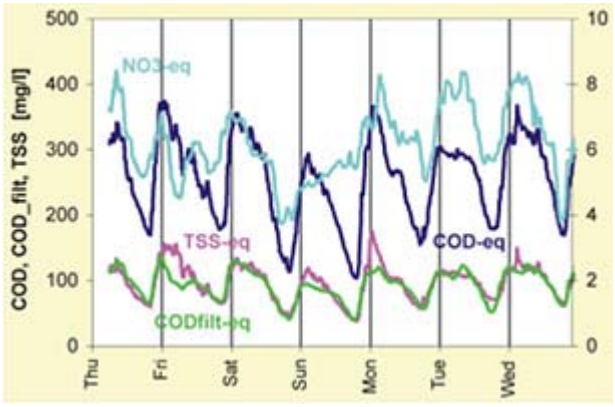


Example 2: COD, CODfiltr. BOD, NO3, TSS, pH, conductivity and O2 in a WWTP inlet

System description
• 1 industrial terminal con::stat
• 1 spectro::lyser™
• 1 pH meter
• 1 conductivity meter
• 1 oxi::lyser
• 1 additional power supply
Installation time: about 4 hours, including compressed air. Calibration needed for pH and conductivity only.
After connection to power (110/220 or 24V) and PLC (via 4-20mA), the instrument will display and send the first set of data within 3 minutes to the PLC system.

System components **Results**

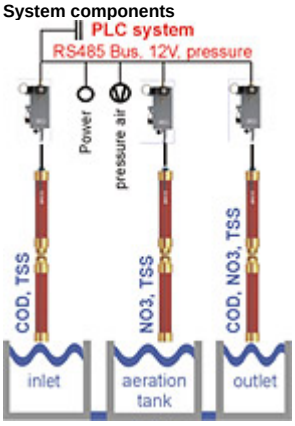




Example 3: COD, TSS, and NO3 in a network of several sensors at a WWTP

System description
• 1 carbo::lyser™
• 1 nitro::lyser™
• 1 multi::lyser™
• 3 power-supplies con::nect
Installation time: About 6 hours, including compressed air, plus software integration into PLC system. No calibration needed, in-situ validation recommended.
After connection to power (110/220 or 24V), the instruments will send the first set of data immediately to the PLS system.

System components



Results