

# *Real Time Process Control in biological wastewater treatment plants*

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HACH's RTC solutions consist of standardised feed-forward- and/or feed-back control modules, which are specifically designed for the requirements of biological sewage treatment to optimise various subprocesses of wastewater treatment. This ensures that the plant always meets the required effluent consent while minimising operating costs. The RTC modules can be quickly integrated into an existing automation structure without much effort. Since 2012 more than 1,500 standardised control modules have been successfully installed on more than 800 sewage treatment plants with a load of just a few 1,000 PE up to 3.5 million PE. In addition to the increase in operational safety, savings of between 10 and 30% have been achieved for energy, precipitants or polymers, depending on the initial situation. We would like to introduce the first existing module of Hungary, the installation and parametrization.