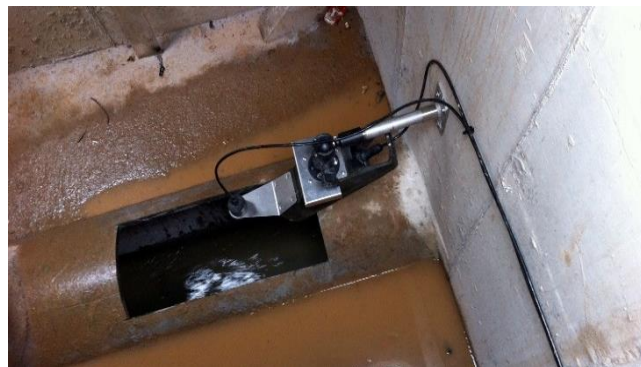
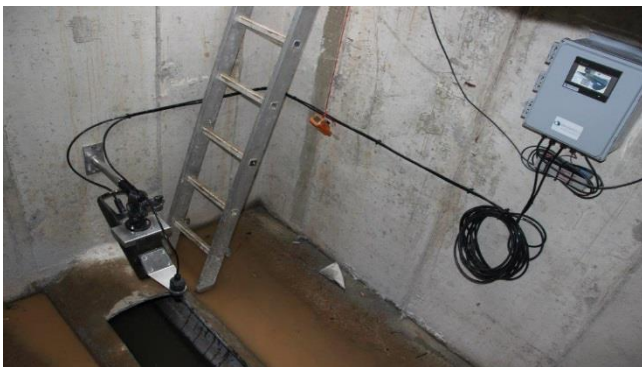


Wastewater Treatment Plants



CUSTOMER

- Water utility managing sewage networks and wastewater treatment plants where sewage water from different cities/villages are processed (custody transfer)
- Network equipped with level only flow measurement solution (based on Manning equation)

TASK DEFINITION

- Need for precise and reliable measurements of the wastewater flow
- Currently installed instrumentation is not providing accurate flow values: e.g. same type of measuring devices installed at the same channel (without inflow nor discharge) bringing huge flow differences
- Objective: obtain correct wastewater flow for billing
- Partly filled circular pipe (DN800)
- No flow shutdown possible, fragile pipe liner (no drilling possible)

SOLUTION

- Installation of a RAVENEYE® non-contact radar flow meter combined with an ultrasonic level sensor (ULS-06™)
- Both sensors are combined to a PLC remotely connected (GPRS) to the SCADA system of the utility