

Industry & Hydropower



CUSTOMER

- Company active in the biotechnology sector, serving the food, health care and industrial markets

TASK DEFINITION

- Necessity to measure the cooling water used by the production site and rejected into the river (industrial compliance)
- The site to be measured consists of a channel (DN 400), dumping into a river
- The collected data is used by the environmental agency to establish the bills
- A cost effective solution was needed: normally a Parshall flume should have been installed, but this would have involved to build a chamber under a street

SOLUTION

- Installation of a RAVENEYE® non-contact radar flow meter at the outfall of the channel dumping the cooling water into the river with an in-pipe looking ultrasonic level sensor (ULS-02™)
- The sensors are connected to a UNI-TRANS™, displaying all information on a colored screen and transmitting the data via 4-20 mA to the SCADA system of the site
- Specific on site calibration as the sensor is not installed in an ideal location