

Monitoring of River Water Intake for Petroleum Contaminants

Sector: Clean Water

Application: Monitoring of river water intake to detect hydrocarbons contamination from accidental spill

Customer: Water Company, North of England

Installation date: 2014

Problem: In early 2013 there was an oil spill into the river from a local petrochemical plant. The water company that abstracts water from the same river was hit with high levels of hydrocarbons and this led to a halt in the production and to high costs due to the replacement of filters, pipes and cleaning operations.

Product

MS1200-01-SYS – Standard version, 4-20mA

Installation Facts

The instrument is installed in an outbuilding at around 70m from the river from where the water is taken. Water is analysed for hydrocarbons and VOC every 15 minutes and, if there's an increased level, an alarm is triggered and action is taken.

Since the installation the system has protected the water plant on two occasions



A picture of the unit installed in the outbuilding. The unit is connected to a PLC that records the data and, in case of an accident, triggers an alarm that switches off the intake pumps.

