

WATER QUALITY MONITORING

The Application...

An environmental consultancy needed to monitor the quality of water in various sewers and watercourses across the South East. The data needed to be collected in the simplest way possible and fed to a data interface for evaluation.

The Requirements...

- Conductivity
- Dissolved Oxygen
- pH
- Temperature
- Data logger
- Data interface

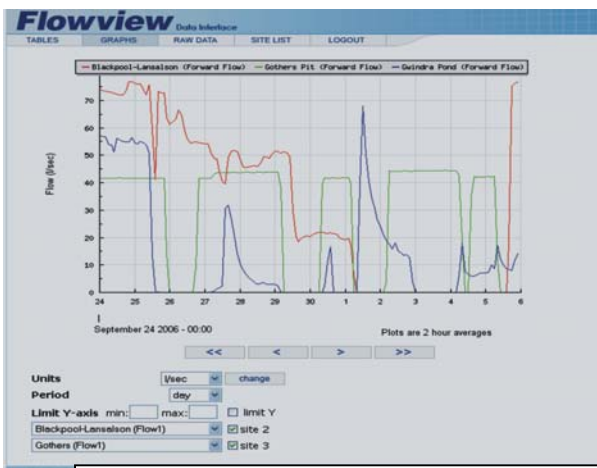


Fig 1: Data is transferred straight to www.flowview.net.

The Solution...

RS Hydro sourced a sophisticated and robust multi-parameter sensor that fulfilled all of the requirements (conductivity, dissolved oxygen, pH, and temperature).

The output from this device was the SDI-12 protocol so we wired the sensor up to a GSM data logger that could receive the SDI-12 input. RS Hydro then organised the contract for this GSM data logger, so that the data on the four water quality parameters would be sent straight to our data interface, www.flowview.net.

The client was able to select their own intervals for data logging and upload times, so this was a tailored solution. The fact that the data goes straight to the portal means that no one has to visit the site to retrieve data manually, which is a great time saver. Flowview is also intentionally anonymous so the consultancy was able to show data to others.

The Technology...



Fig 2: Multi-parameter sensors

Case Study

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