“THE PRODUCTS ARE QUICK AND EASY TO INSTALL, ENABLING US TO GIVE CUSTOMERS DELIVERY AND IMPLEMENTATION TIMES WITH A GREAT DEAL OF CONFIDENCE, SOMETHING WE DO NOT BELIEVE WE WOULD GET WITH OTHER TELEMETRY UNITS.”

Sewer and gully blockages are the main cause of residential and urban flooding in the UK, especially in high-risk urban areas.

Monitoring sewers and gullies in real-time allows resources to be deployed to the relevant areas quickly, ideally before any flood event.

Metasphere’s Point Colour RTUs connect with most sensors to provide timely updates on the status of sewer levels under manholes.

THE PROBLEM
Water utilities have a duty and legal obligation to minimise the risk of uncontrolled discharges resulting from blocked sewers and gullies, which have a finite capacity reduced by any blockages.

THE RISK
Uncontrolled sewer spills pose severe risks to the environment and public health. Each year flooding causes billions of pounds of damage to the UK.

THE SOLUTION
Point Orange or Point Blue monitor in real-time sewer and gully levels, alarming when critical levels occur means resource-saving and timely infrastructure repairs, saving costs and attaining compliance.
HOW DOES THE METASPERE SOLUTION WORK?

Metasphere’s Point Colour RTUs take inputs from multiple sensors, such as ultrasonic, radar and submersible pressure for this application, measuring level and flow. These sensors are monitored on a predefined interval, relevant to both the site and the sensors being deployed.

Point Colour RTUs can be configured to dynamically increase the measurement rate and dial in, if one of the user-definable alarm levels is breached.

Data can be sent back to either:

- **Metasphere**’s data visualisation service, **Palette**: users can view the data, and use email and SMS alarm functionality for receiving alarms out of hours.

  or:

- Client’s FTP or DNP3 servers, where alarms can be generated by the user, or data can be used to perform control functions.

FIND OUT MORE!

If you would like to monitor sewer manholes and gullies, get in touch to find out how Point Colour RTU devices can transform your network:

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