

RAINFALL MONITORING

ESSENTIAL CLIMATIC OBSERVATIONS FOR SAFETY-CRITICAL OPERATIONS

"THE METASPHERE UNITS WORK VERY WELL, ALLOWING CRUCIAL FLOW DATA TO BE RETRIEVED TO SATISFY REGULATORY COMPLIANCE FOR WATER COMPANIES AND ENVIRONMENT AGENCIES THROUGHOUT THE UK"

Metasphere provides simple remote rainfall monitoring systems, which are used to supply information for irrigation control, water resource monitoring, flood management and climate studies.

Variations of rain gauges used include the 'Tipping Bucket Rain' (TBR) gauge, the 'Weighing Precipitation Gauge', and pluviometers.







THE PROBLEM

As climate change affects the frequency and severity of rainfall, historical data is not as effective at predicting weather patterns. Cost-effective, reliable rainfall measurement systems are necessary.

THE RISK

The impact of inaccurate rainfall data varies depending on the severity of the rainfall event. Verification of satellite and radar data can only be provided by localised rainfall measurement.

THE SOLUTION

Metasphere's localised monitoring stations provide accurate rainfall information in near-real-time, enabling users to react appropriately - using the data for forecasts, warnings or other appropriate measures.

metasphere
make data count

HOW DOES THE METASPHERE SOLUTION WORK?

Metasphere's monitoring systems based on the **Point Colour** range will take inputs from up to 12 sensors. Sensors are monitored on a predefined interval, relevant to both the site and the sensors being deployed.

The **Point Colour** RTU can be configured to dynamically increase its measurement rate, and dynamically dial in if one of its user-definable alarm levels is breached. Data can be sent back to the **Metasphere** data service, **Palette**, where users can view the received data or make use of both the email and SMS alarm functionality. The latter is particularly useful for receiving alarms out of hours.

Data can also be sent to both FTP and DNP3 servers where subsequent alarms can be generated by the user, or data can be used to perform control functions.



FIND OUT MORE!

If you would like to dynamically monitor and alarm rainfall, get in touch to find out how **Point Colour** RTU devices can transform your network:

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