



# COMMUNITY FLOOD TELEMETRY

## What is flood telemetry?

Flood telemetry systems are an automated recording and transmitting technology, designed to help communities and agencies remotely monitor sources of flood risk and receive warning triggers which can enable them to respond effectively.



## Advantages of Telemetry

- They act independently, allowing locations to be monitored day or night in real time, 365 days a year.
- Groundwater conditions, culverts, trash screens, rivers, ordinary watercourses, sewers and highway drainage networks can all be monitored.
- Makes monitoring quicker and safer.
- Issues or blockages in watercourses can be identified and dealt with and cleared sooner.
- They can issue notifications, warnings and can send images in times of rising water.
- They can collect data on a particular area and build a clear history and evidenced account of how rainfall conditions and other factors can affect a channel.

## What's involved?

Installation of telemetry systems often requires multi-agency co-operation and joint working between authorities, communities, landowners and the supplier of the system.

A site and community survey will be required with previous flood history and records being taken into account. Where monitoring devices need to be installed within watercourses, sewers or drainage systems, permissions and agreements will be required and additional charges may be incurred.

Telemetry equipment and associated housings are not immune to damage or component failures. Consideration needs to be given to potential access issues and who will be responsible for the repair and maintenance costs.

A flood group or community wishing to install a system should expect to pay upwards of £3,000. Because telemetry systems are able to benefit multiple users and agencies alike, the cost can be shared between communities, businesses and authorities. Constituted flood groups can apply for grant funding towards the cost.