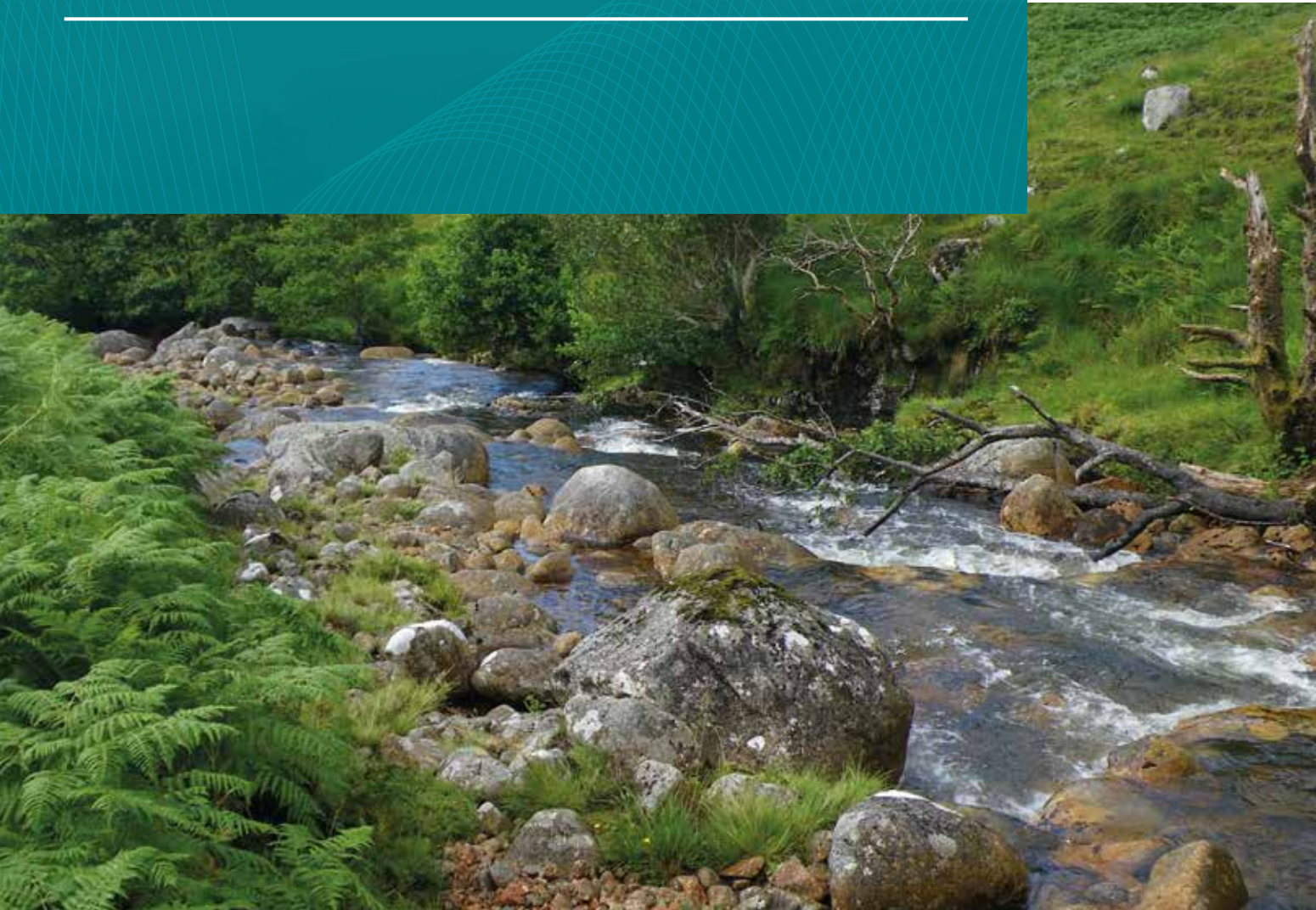


# Hydro-Logic™ Smart Monitoring

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Make better water management decisions





## Hydro-Logic™ Smart Monitoring

Hydro-Logic™ Smart Monitoring products and services help you to make better water management decisions.

Whether you need to react to flood events, monitor climate change or forecast network supply and demand, whether you're looking at today or the next ten years, whether you're saving lives or saving money—we can help you to improve the way you plan, act and react.

Our Hydro-Logic™ Smart Monitoring products and services give you the data and the tools you need to make sure that you get the critical decisions right.

### Applications

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- Flood warning, planning and mitigation
- Asset management, planning and purchasing
- Water resources management
- Network design, upgrade and optimisation
- Climate change monitoring
- Abstraction impact analysis
- Feasibility studies, eg. hydropower



# How Hydro-Logic™ Smart Monitoring can help you

## Smart Monitoring for public utilities

Public utilities need to invest to meet supply and demand years into the future, and basing costly long-term decisions on unrepresentative, incomplete or outdated information represents a significant risk.

Hydro-Logic™ Smart Monitoring systems supply precise, representative real-world data that you can rely on to forecast supply and demand with accuracy—and make critical purchasing, resourcing and asset management decisions with confidence.



## Smart Monitoring for hydrologists, engineers and technicians

Hydrologists, engineers and technicians need meaningful, reliable data in order to provide designs, advice and recommendations that meet the needs of their clients.

Hydro-Logic™ Smart Monitoring systems provide you with detailed, credible hydrometric, environmental and climatic information that can improve the way you design new systems, optimise and upgrade existing systems or carry out feasibility studies and other projects.



## Smart Monitoring for first responders

Real-time insight into flood conditions provides first responders with critical additional time to warn residents, evacuate local areas or conduct flood mitigation protocols.

Hydro-Logic™ Smart Monitoring systems deliver upstream environmental data and imagery to power automated flood alerts and early warnings that enable you to deploy resources effectively and react quickly and decisively to an imminent flood event—helping to improve public safety, minimise damage and save money.





# Collect data

Hydro-Logic™ data loggers are the front end of the Smart Monitoring system, providing both the real-time insight and long-term big data that organisations rely on to make better decisions.

Gathering a range of hydrometric, environmental and climate data and transmitting it wirelessly for visualisation, alerts or integration into systems such as SCADA, Hydro-Logic™ data loggers do the hard work for you—remotely and automatically.

Designed to operate remotely in hostile environments, and with battery lifetimes of up to seven years, Hydro-Logic™ data loggers are uniquely robust, reliable and effective.

## Products

### Hydro-Logic™ Flexi Logger

A flexible, sensor-agnostic data logger suitable for most applications.

### Hydro-Logic™ Flow Logger

Monitor and understand flow in natural or built watercourses.

### Hydro-Logic™ Level Logger

Get water level data in waterways, groundwater and sewers.

### Hydro-Logic™ Weather Logger

Monitor rainfall and other climatic measures.



# Monitor, alert and warn

Hydro-Logic™ telemetry systems provide an online platform for basic data visualisation, inspection and early warning.

Automatically receiving data from remote Hydro-Logic™ data loggers, Hydro-Logic™ telemetry systems provide an interface to enable you to inspect data outputs, helping you to identify potential system blockages and alerting you to changes in environmental conditions that could indicate an imminent flood event.

Hydro-Logic™ telemetry systems also manage any automated alerts that have been configured, distributing them via e-mail or SMS to designated recipients to provide early warning of flood events or other environmental risks.

## Products

### Hydro-Logic™ Timeview

An online telemetry, early warning and alarm platform able to store up to 12 months of data.





# Store, analyse and forecast

Data outputs from a Hydro-Logic™ Smart Monitoring system are optimised for use with databases, to allow for long-term data storage, manipulation and analysis.

Hydro-Logic™ Smart Monitoring databases provide ongoing data warehousing of water, climate and environmental information, delivering long-term data management and equipping you with trend analysis, data visualisation and other tools to help you to derive meaningful, actionable insights from data.

Combine, clean and adjust data inputs from multiple sources, helping you to report on and communicate your findings quickly and easily.

## Products

### Hydro-Logic™ Timeview DBi

A database expansion to the Hydro-Logic™ Timeview platform.

### AQUARIUS Time-Series

A specialist database optimised for use with Hydro-Logic™ Smart Monitoring system data.



# Consultancy projects and managed services

Many organisations don't have the time, resources or expertise to design, install or operate a Smart Monitoring system, and many face similar difficulties in collating, manipulating and interpreting hydrometric data.

Our Hydro-Logic™ Services team is hugely experienced in all aspects of Smart Monitoring, and is able to provide expert system design, installation and operation services, or to deliver stand-alone hydrometry consultancy projects such as MCERTS inspections.

Our Hydro-Logic™ Services consultants can help you to address your most complex, critical and urgent Smart Monitoring challenges.

## Services

### Field Hydrometry

Smart Monitoring network design, management and operation.

### Consulting Hydrometry

Specialist hydrometry guidance, advisory support and training.



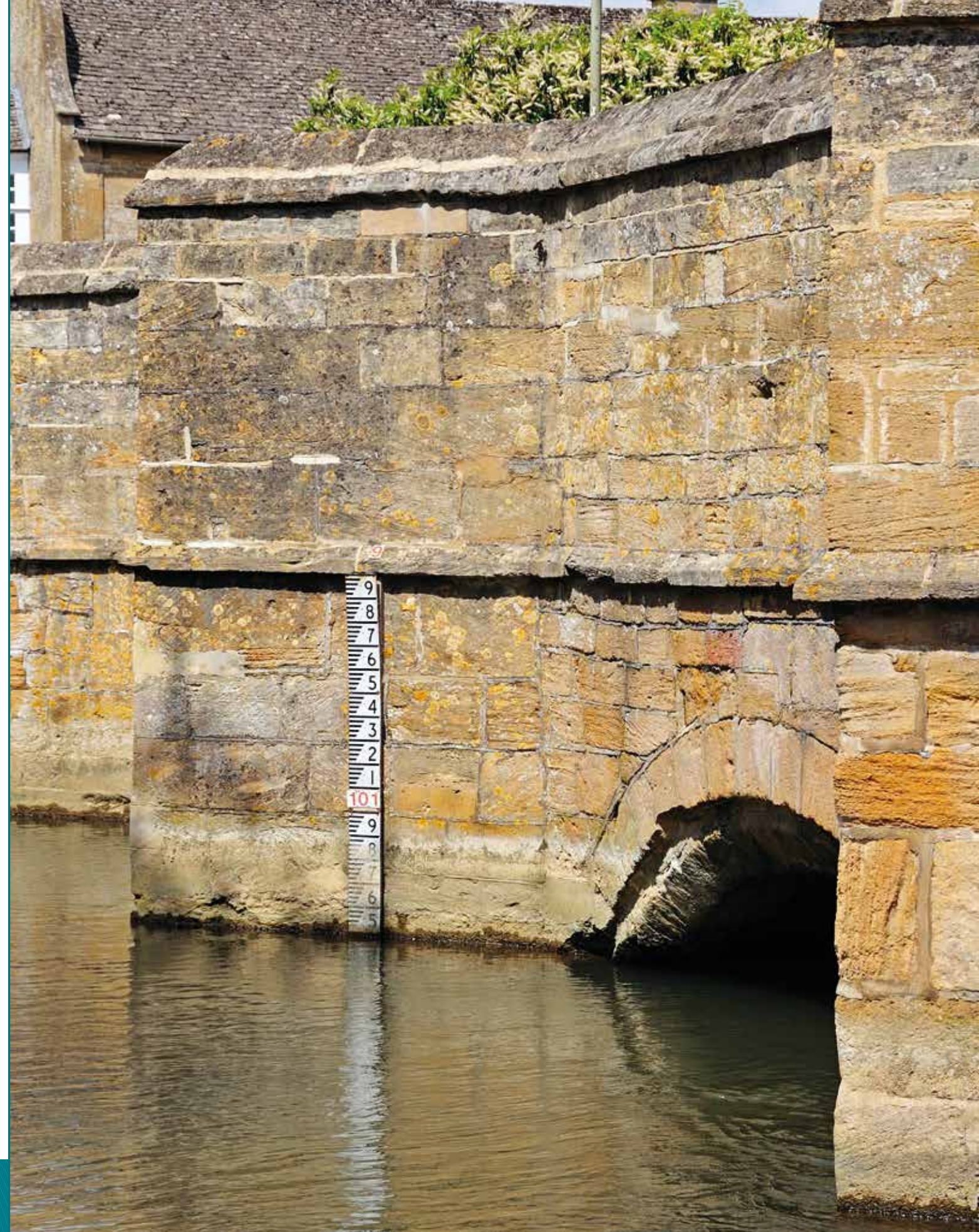


## Why Hydro International

We've been developing, installing and operating Smart Monitoring technologies for over 30 years, so we make sure you get the right data, at the right time, in the right way.

Selecting the right data logger and the right sensor for a particular Smart Monitoring application takes understanding and expertise, and getting it wrong can cost you time and money. Our Smart Monitoring experts know better than anyone what's required for effective data collection, transmission, storage and analysis, and they'll work with you to ensure that the solution meets your needs from day one.

Or, if you'd prefer to have someone take on your Smart Monitoring challenges for you, our Hydro-Logic™ Services team already operates the largest Smart Monitoring network in the UK and will be happy to provide a managed service on your behalf.





To learn more about how our Hydro-Logic™ Smart Monitoring products and services can help you make better water management decisions visit [hydro-int.com/smartmonitoring](http://hydro-int.com/smartmonitoring) or search **hydro-logic smart monitoring** online.

Contact us to talk to an expert:

### Products

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### Consultancy services

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