EM-2Q

CSignum

Why Consider a Wireless River Water Quality Monitoring System

- **Real-Time, Reliable Data Capture**
  Integrated multiparameter sondes continuously monitor the @Sec 82 parameters – pH, temperature, turbidity, ammonia, dissolved oxygen, and conductivity – from beneath the water surface. Delivering reliable, uninterrupted data to meet regulatory compliance
- **Lower Risk of Vandalism or Flood Damage**
  Topside wireless gateways are safely mounted to trees, poles, or existing infrastructure – well away from flood risk and vandalism. No buried pipes that could be susceptible to freezing
- **Low Environmental and Visual Impact**
  Our systems stay out of sight and out of the way. Riverbed sondes are deployed below the surface, with minimal bankside construction. Gateways blend into surroundings, removing friction with stakeholders and the public

- **Rapid Deployment, Simplified Landowner Permissions**
  Thanks to flexible wireless architecture, the topside unit can be placed up to 100m from the river. This reduces the need for intrusive access and accelerates landowner consent
- **Flexible Location to Deploy in Mixing Point**
  The monitoring system can be placed anywhere across the full width of the river, allowing for optimal placement in mixing zones to deliver representative data
- **Predictable Deployment Costs**
  No civil engineering unknowns, consistent, simplified installation process

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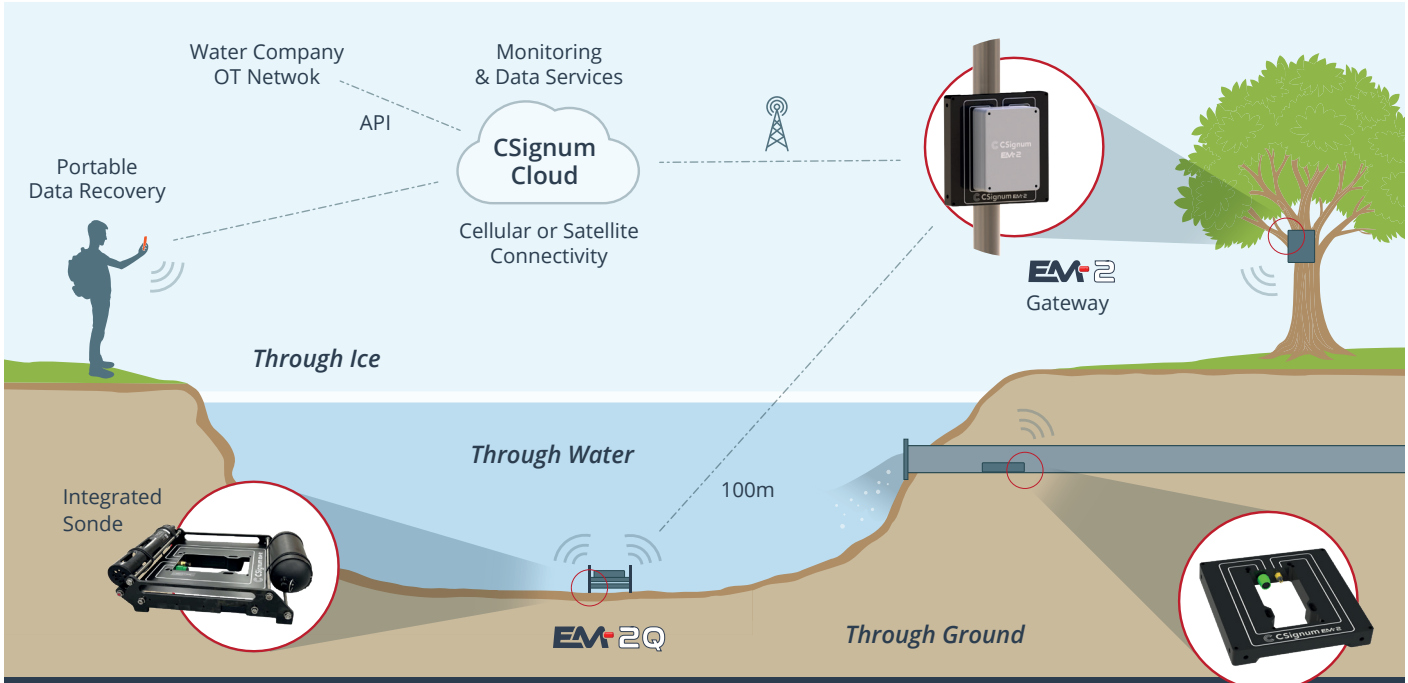
Headquarters: Scotland, United Kingdom | **North America:** Connecticut, USA | info@csignum.com



CSignum EM-2Q Wireless Water Quality Monitoring

- **Simple Integration with Water Company Networks**
  Data integration directly into existing OT/SCADA systems via secure MQTT or Cloud API
- **Integrated SONDE Compatibility**
  Works with trusted sondes including:
  - Xylem EXO2/EXO2S
  - In-Situ Aqua Troll 700/800
  - Proteus Instruments
- **Suitable for Floodplains and Remote Terrain**
  No more re-installation after a flood event or land shift. Gateways sit above risk zones, and sondes remain anchored and intact. Perfect for hard-to-access or unstable sites
- **Easy Retrieval and Maintenance (Portable)**
  Remote command inflates recovery bag for retrieval and maintenance

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