



SpillSens Product Brochure

summer 2023



MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL

SpillSens

The multi-alarm digital float sensor delivering early warnings of small sewer and customer-side blockages and overflows

Installed at a critical height in a chamber, SpillSens uses digital positioning technology to **monitor sewer levels** constantly and effectively.

Programmed with three alert levels, SpillSens indicates green when conditions are normal, amber when levels are rising and red when critical levels are reached.

Ideal for **Incident Prevention Monitoring**, SpillSens supports compliance with **Outcome Delivery Incentives** and helps to protect the environment by **reducing pollution** incidents.

ATEX (Zone 0) certified, SpillSens is dependable and, when paired with our ATEX Battery Pack, can deliver **accelerated sample rates** and **increased dial-in frequency** whilst maintaining a **five-year battery life**.



SpillSens Digital Float Sensor

SpillSens is an easy to install, low maintenance digital float sensor that delivers early warnings of small sewer and customer-side blockages and overflows. Each SpillSens sensor is connected to a data logger. When the tilt level reaches a specified angle, the logger uses NBIoT cellular telemetry to transmit alert messages to **SpillGuard**, our bespoke web portal for SpillSens

Key Features and Benefits

- three levels of alert (green, amber and red), based on the angle of the sensor
- designed to have no moving parts, unlike traditional steel ball and micro-switch sensors
- intrinsically safe; ATEX-certified for use in Zone 0 hazardous areas
- dedicated online portal (SpillGuard) for monitoring and fleet management
- highly compatible; works in conjunction with IS Log and other HWM loggers

SpillGuard

The secure online portal for the dedicated monitoring and fleet management of the SpillSens multi-level alert system

Designed specifically for use with SpillSens, SpillGuard provides secure access to the generated data for effective **fleet management** and **network monitoring**.

Using **Google Maps**, SpillGuard provides a detailed map interface which colour codes the status of each individual installation. The three alert levels (green, amber and red) can be supplemented with user-assigned statuses, such as “site under investigation” or “alert cleared”.

SpillGuard can display general **site statistics** and **trends**, as well as specific site details. Individual users and reports are managed using an advanced platform which includes the option to forward alarm messages via e-mail or SMS.



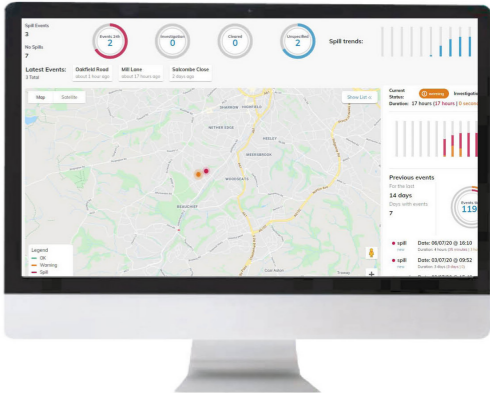
SpillSens
Digital Float Sensor

- Intrinsically safe
- Three alert levels
- No moving components
- Compatible with multiple loggers



IS Log
ATEX Certified Data Logger

- NBIoT cellular telemetry (2G fallback)
- Multi-application compatibility
- Intrinsically safe
- Wireless programming
- Easy software integration



SpillGuard
Online Data Portal

- Real-time alerts
- Three alert levels
- Graphical map view
- Detailed site view
- Data security features

We are experienced and respected manufacturers of monitoring and telemetry equipment for water, wastewater and gas networks, together with telemetry AMR and facilities optimisation products.



CLEAN WATER



WASTE WATER



GAS NETWORKS



**AUTOMATED
METER READING**



**FACILITIES
MANAGEMENT**

Clean Water Network Monitoring

With over 30 years in the water industry, HWM is skilled at addressing the challenges of water network monitoring. With increased pressure on water globally, we can solve the problems of effective water network management, providing data on performance and enabling effective network management.

Waste Water Network Monitoring

Control of waste water networks is a key public health challenge. Effective monitoring of waste water networks reduces both frequency and impact of pollution events. Permanent installation of remote monitoring equipment helps to alert network operators to immediate problem sites.

Gas Network Monitoring

Effective monitoring of gas networks has traditionally been a challenge, due to a lack of on-site power and deployment difficulty. Our gas products address these concerns, using our expertise in ATEX and low power design capabilities. This enables users to collect data about this critical infrastructure.

Automated Meter Reading

Accurate and consistent data is the foundation for effectively controlling energy usage and reducing waste. AMR delivers precise and timely consumption data for investigation and analysis of energy usage as well as exact billing.

Facilities Management

HWM has pioneered the development of wireless monitoring solutions for fixed network deployment. These can be combined with a variety of sensors, providing our partners with 'near real-time' data that they need to help their customers to eliminate waste, cut costs and reduce carbon emissions.



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