SpillSens Early Flood Warning System

for blockages and sewer overflows

SpillSens **Float Sensor**

As a result of climate change and population growth, waste water networks are under more pressure now than they have ever been before.

More regular extreme rainfall events and rapid expansion of urban areas is greatly impacting the quantity of water entering sewer networks and is reducing the ability of sewers to cope with flood events.

To support water companies in greatly reducing the physical and financial costs of flooding we have developed our ATEX certified smart solution, **SpillSens**.

How SpillSens Works

SpillSens is an easy to install, low maintenance float sensor that acts as an early warning system for blockages and sewer overflows.

Installed at a critical height, **SpillSens** hangs in the sewer chamber where the tilt angle of the sensor is constantly monitored. When sewer levels rise past a pre-determined level, the contents of the sewer disturbs the sensor, causing it to float and the tilt angle to increase.

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.
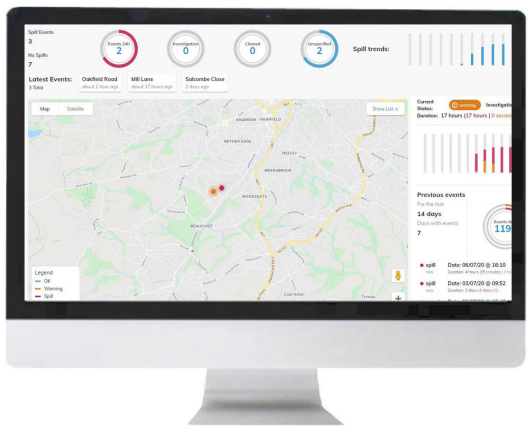
SpillSens
Digital Float Sensor

- 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.

A **Halma** company

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MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL