

Spill detection system at engine manufacturing plant

Sector: Manufacturing.

Application: Monitoring drains to detect spillages that lead to pollution, fines and loss of reputation.

Customer: Engine manufacturer, UK.

Installation date: 2010, upgraded 2016.

Problem: During the testing phase of engines, spillages of diesel and other harmful substances can happen. After previous pollution events the company decided to implement a detection system to prevent this from happening.



A picture of the unit installed in the manufacturing plant

Product: MS1000, upgraded to MS1100, 4-20mA output + modification that allows air to be drawn from the drain as sampling of water was not possible.

Installation Facts: The system was installed after a heavy fine was issued for breaching emission limits. The system draws air into the analyser from the drain with a fan.

The instrument is used to drive an audible alarm and warning light as well as implementing an automatic fuel shut off in the event of a leak being detected.