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.

**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.