



INSTALLATION EXAMPLE

LAND-BASED INSTALLATION – Engine

QMI has been at the forefront of engine and machinery space fire protection since the early 1980s and our innovative use of 'nephelometry' in measuring build-up of dangerous and hazardous levels of oil mist in industry is now globally recognised as having saved many fire and hazardous situations occurring.

Initially, QMI systems have been used in the Marine sector where they are installed in Engine Rooms, Hydraulic Areas and Pump Rooms, however they are also installed in land-based applications in the Aviation, Transportation and Power-Generation sectors.

Detailed here is a **Land-Based Engine installation**.

Our Engine Oil Mist Detection system was installed at a landfill site to monitor two large diesel engines that had been converted to run on methane. The engines are run 24/7 but are only manned for 12hrs, and the site had previously experienced issues with these engines.

The solution was to supply a MULTIPLEX Monitor to support the two engines. Each engine was supported by 6 Engine Detectors that were used with individual shutdowns in groups of six. This ensured that any issues on any of the channels would immediately shut down the engine...

...and our equipment saved an Engine!



Scored piston liner

Shortly after we installed the system, we received feedback from the Chief Engineer on the site to inform us that our system had prevented serious damage to the engine. We visited the site after the incident and were shown the piston liner which had been scorched due to a lubrication path becoming blocked. Our equipment had shut down the engine so quickly that the engine had not seized.

This system has been in use more than a decade and is still running without issue.