



10 REASONS WHY YOU NEED ECO GAS DETECTION



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WHY GAS DETECTION?

1. WHEN BUSINESS CONTINUITY IS PARAMOUNT

Where operational continuity is critical to business operation or service provision, it is essential to provide the earliest warning of a potential gas risk which, if undetected, could lead to possible casualties; environmental contamination; raw material spoiling or an explosion. This is critical for telecommunications and commercial properties. e.g. Hydrogen in battery rooms, Methane and Hydrogen Sulphide in utility tunnels and switch rooms.

2. EMPLOYERS' DUTY OF CARE

Employers have a duty of care to protect employees and their clients from potential health risks. An efficient and effective early warning of a toxic gas risk will reduce the risk of damage to personnel health and demonstrates good duty of care. This is critical where personnel may be subjected to exhaust fumes including enclosed car parks, loading bays and access tunnels, or refrigeration plant rooms.

3. WHEN EARLY WARNING OF A POTENTIAL GAS RISK IS REQUIRED

By providing the earliest possible warning of a flammable or toxic gas hazard, sufficient time can be gained to take remedial action to protect infrastructure and personnel health. This is critical in boiler plant rooms, utility tunnels and cable entry chambers.

4. WHEN COST EFFECTIVE OPERATION OF HVAC SYSTEMS IS REQUIRED

Constant ventilation of plant and process areas to reduce the risk of a gas hazard is often expensive. Gas detection can be used to activate or boost ventilation only when required and consequently reduce HVAC operating costs.

5. AVOID POSSIBLE LEGAL IMPLICATIONS

We live in an increasingly litigious society and it is possible that any of the risks described here could result in legal action.

WHY XTRALIS VESDA ECO?

6. MULTI-HOLE SAMPLING GIVES BETTER DETECTION COVERAGE THAN POINT GAS DETECTORS

VESDA ECO and a multi-hole air sampling pipe network delivers the most effective means of gas detection available today. This approach reduces the risk of not detecting a gas escape; often associated with point gas detectors; when gas escape fails to reach the point gas detector due to poor placement or adverse effects of ventilation.

7. COST EFFECTIVE GAS DETECTION

Areas requiring gas detection often require a fire / smoke detection solution. Xtralis VESDA ECO combines gas detection capability with VESDA aspirated smoke detection (ASD) at minimal additional cost. This combined solution is often significantly less expensive than conventional stand alone fixed point gas and fire detection systems. As VESDA ECO uses a smaller number of detectors to cover a given area; routine maintenance costs are reduced and a single service contract can cover both systems.

8. REMOTE DETECTION ALLOWS EASIER & LESS DISRUPTIVE MAINTENANCE VISITS

Conventional point gas detectors are located where gas may accumulate. These locations are often controlled environments and difficult to access. VESDA ECO allows periodic detector maintenance to be conducted at an easily accessible location (i.e. outside the restricted environment).

9. HIGH LEVEL INTERFACE TO MX PANELS

VESDA ECO easily interfaces to MZX Technology fire detection systems via the DDM800 interface module providing a cost effective combined fire and gas detection solution.

10. FROM THE GLOBAL EXPERTS IN ASPIRATED SMOKE DETECTION

Xtralis is independently acknowledged as the world leader in the design and manufacture of multi-hole aspirated smoke detection solutions. It has now applied this experience and expertise to provide an effective gas detection solution.

For further information:

Toll Free: 0800 CALL TYCO or (0800 22 55 89 26)