

VESDA GETS GAS DETECTION AND ENVIRONMENTAL MONITORING



VESDA systems expanded to provide cost-effective protection against other airborne threats.

Xtralis has expanded VESDA, its very early warning smoke detection, to include aspirating smoke detection (ASD) plus gas detection and environmental monitoring.

This newly available solution, VESDA ECO by Xtralis, uses new or existing VESDA pipe networks to detect smoke in addition to hazardous/combustible gases to ensure air quality. It also integrates easily with other building management systems for real-time situational awareness and intelligent emergency response, including the activation of demand-controlled ventilation to control costs and save energy.

Explains Xtralis President and CEO Samir Samhoury: "Because we want to deliver more value to our customers and end users, Xtralis has extended the integrity and high performance of our ASD systems beyond smoke to also include gas detection and environmental monitoring. VESDA customers now can amortise the cost of their existing smoke detection infrastructures to reliably and accurately detect certain gases early enough to prevent damage to staff, assets and uptime."

Customers across a wide array of industries, including data/telecom, manufacturing and transportation, can rely on VESDA ECO for very early warning fire detection, protection against hazardous gas leaks, air quality monitoring to ensure safe working environments, and help to reduce energy consumption and costs.

Invisible hazards can originate from the release of toxic gases, oxygen deficiency, or the presence of combustible gases/

vapors. With an ECO detector installed on a VESDA pipe network, air can be conditioned or filtered to remove moisture, dirt and other particulates that can cause traditional gas-detection systems to false alarm or become contaminated. As with fire detection, early warning of gas leaks or build-up enables countermeasures to be taken to protect personnel, property and business operations.

Each VESDA ECO detector can house up to two gas sensors, and additional detectors can be added easily to the pipe network to monitor more gases if required. In its initial release, the solution can be configured to detect ammonia (NH_3), carbon monoxide (CO), hydrogen (H_2), hydrogen sulphide (H_2S), methane (CH_4), nitrogen dioxide (NO_2), oxygen (O_2), propane (C_3H_8) and sulphur dioxide (SO_2).

VESDA ECO provides point, zone or total-area coverage to suit different applications in a wide array of environments, including battery-charging rooms, underground utility tunnels, boiler rooms, manufacturing facilities, parking garages and transportation centres. The systems easily integrate with fire alarm control panels (FACP), programmable logic controllers (PLC), heating ventilation and air conditioning (HVAC) systems, and building management systems (BMS) to provide real-time situational awareness for intelligent emergency response. No construction or electrical conduit is required.

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