



VESDA SENSEPOINT XCL - LARGE BORE ASD SYSTEM

PROTECTS CABLE CHAMBERS AND UTILITY
TUNNELS FROM INVISIBLE DANGERS



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CONSEQUENCES OF SMOKE OR GAS IN CABLE CHAMBERS AND UTILITY TUNNELS

Underground utility tunnels are the life blood of industry, supplying critical power and data for operations and service continuity. For over 30 years Xtralis VESDA has been successfully used for high sensitivity smoke detection in underground utility chambers housing fuel lines, cables etc.

These utility tunnels often located in the lower levels of building

(underground), particularly those used for the transportation of utilities, such as piped gas and electricity, present specific hazards because of flammable or toxic gas leaks, oxygen deficiency, overheated cables, and smouldering electrical fires. Some of the gas leaks present in these underground utility tunnels are due to seepage of Methane (flammable), Hydrogen Sulphide (flammable and toxic) from local

sewerage system and nearby landfill sites, Methane from local mines or Carbon monoxide (toxic) from the soil.

A fire or gas leak in these areas can lead to catastrophic consequences and cost millions of dollars in disruptions and lost business.



INTRODUCING VESDA SENSEPOINT XCL – LARGE BORE ASD SYSTEM

Extending its world-renowned VESDA aspirating smoke detection (ASD) technology, Xtralis has introduced the VESDA Sensepoint XCL – Large Bore gas detector that connects to the Xtralis VESDA smoke detector to deliver a combined smoke detection and environmental monitoring solution.

The benefits of VESDA Sensepoint XCL – Large Bore gas detectors are:

- Seamless incorporation onto Xtralis ASD pipe networks without complex system redesign, electrical cabling or tubing
- 24/7 active sampling of gas threats through multiple sampling holes on pipe network
- Compact in size with robust housing, suitable where space is a premium
- Capable of remote sampling – no need to enter restricted / secure areas, or use special access equipment
- Can be located at a central location allowing easy and safe access for inspection, service and maintenance
- Easily configured, commissioned and maintained through embedded Bluetooth wireless connection to smart device



COMBINED SMOKE AND GAS DETECTION

RELIABLE PERFORMANCE

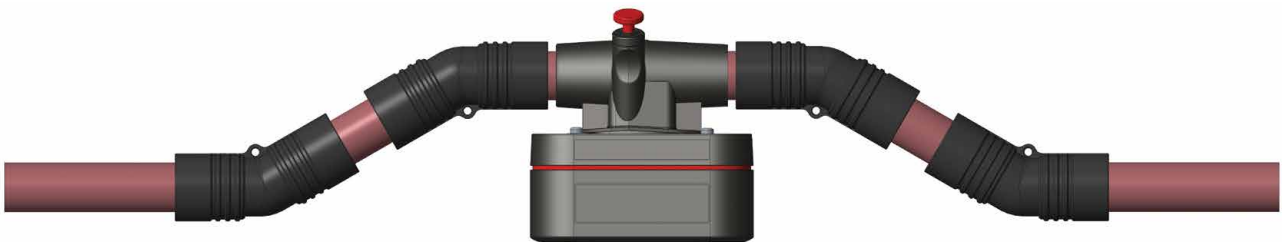
- The flow of smoke and gas in large bore pipes is monitored by the Xtralis ASD detector
- Absolute smoke measurement is provided with the industry's only optical clean-air bleed that guarantees reliable performance throughout operational life

FLEXIBLE SYSTEM INTEGRATION

- Real-time smoke and gas data can be sent to a number of control points through the use of a wide range of high- and low-level interfaces including FACP, BMS, PLCs and HVAC systems or simple audio/visual notification appliances

BENEFITS

- 24/7 active monitoring of smoke and gas threats
 - The same ASD air sampling pipe network is used for the transportation of smoke and gas
 - Remote sampling allows the mounting of detectors at a central location
 - Flexible deployment of sampling holes at different heights and locations appropriate to the density of the target gas (i.e. ceiling detection for H₂, head height detection for CO)
- Lower total cost of ownership when compared to installing and maintaining conventional smoke and gas detectors:
 - Detectors' central mounting location enables easy access for service and maintenance
 - No need to access detection zone
 - Modular design allows parts to be replaced in the field



VESDA Sensepoint XCL – Large Bore Connect to Xtralis ASD Pipe Network

ABOUT XTRALIS



Xtralis is the leading global provider of powerful solutions for the very early and reliable detection of smoke, fire, and gas threats. Our technologies prevent disasters by giving users time to respond before life, critical infrastructure or business continuity is compromised.

We protect highly valued and irreplaceable assets and infrastructure belonging to the world's top governments and businesses.

To learn more, please visit us at www.xtralis.com