

VESDA® VLI

by  xtralis™

Aspirating Smoke Detection for Industrial and Harsh Environments



Industrial VESDA VLI by Xtralis

Reliable smoke detection in industrial applications has been a challenge due to various background pollution issues, smoke and airborne particles, extreme temperatures, plant washdown and other influences. Nuisance alarms and costs associated with service/maintenance and detector longevity also are critical considerations when selecting appropriate smoke detection.

With the introduction of Industrial VESDA VLI, Xtralis has created an industrial-strength detector that will benefit customers in these critical but often harsh environments.

A New Benchmark for Industrial Fire Detection

The Industrial VESDA VLI platform, with its patented, innovative technology, is the result of extensive learning from thousands of real-world implementations in harsh environments for more than 25 years. Industrial VESDA VLI sets a new benchmark for reliable, absolute smoke detection in industrial applications including mining, manufacturing, processing plants, petrochemical plants, power generation facilities, waste treatment plants and more.

Major benefits of Industrial VESDA VLI include:

- New patented, intelligent filter for increased detector longevity
- Improved IP/NEMA-rated enclosure for robust protection in a wide array of environments
- Field-replaceable parts for simpler deployment, maintenance and lower total cost of ownership

Mining

Regardless of the type of mining (coal, metaliferous, oil, gas, etc.), the correct type of fire protection is essential.

The **INDUSTRIAL VESDA VLI** is purpose-built for:

- Electrical switch gear and control rooms
- Substations
- Conveyor protection
- Drive heads
- Tunnels
- Equipment and heavy machinery
- Plant and generator areas
- Laboratories and water treatment
- Warehousing/storage
- Underground
- Liquefied natural gas



Product Benefits:

- High immunity to effects of contamination and degradation
- Reduced maintenance and field servicing required for lower total cost of ownership
- Patented long-life, intelligent filter for greater product reliability and detector longevity
- Simplifies the deployment of ASD in harsh and industrial environments
- Provides substantially higher sensitivity
- Discriminates between small particle dust or larger sized smoke particles for reliable incipient fire detection



Processing

Fire is a hazard in processing and production facilities, especially those that span a variety of industrial applications.

INDUSTRIAL VESDA VLI detects the earliest presence of fire in these industrial applications, reducing the risk of asset and product loss as well as production downtime.



Power Stations

Manufacturing

Manufacturing is the backbone of both large and small businesses. A loss due to fire could devastate some companies. **INDUSTRIAL VESDA VLI** provides very early warning fire detection in manufacturing facilities such as:

- Boats/fiberglass
- Chemicals
- Food
- Glass
- Packaging
- Paper
- Petroleum products
- Plastics
- Rubber
- Leather goods
- Textiles



Battery Manufacturing



Paper Mill and Recycling



Innovative Features for Industrial Applications

The Industrial VESDA VLI showcases a host of features specifically designed to address the common challenges of industrial applications.

Up to 2,000 m ² (20,000 sq ft) coverage	Up to 4 inlet pipes
Total pipe length up to 360 m (1,200 ft)	Five (5) high-intensity status LEDs for greater visibility
Robust, absolute smoke detection	Patented, intelligent filter
Clean air barrier for optics protection	Referencing
AutoLearn™ smoke and flow	Clean air zero
Air-path monitoring	Five (5) relays (Fire, Fault and 3 configurable)
Relays configurable as latching or non-latching	Expandable GPI and relays
Modular, field-replaceable parts for ease of servicing	Xtralis VSC, VSM and ASPIRE2 software support
IP54	Sub-sampling probe (inertial separator)
Ultrasonic flow sensing	Easy mounting through steel support bracket
Local USB configuration port	BACnet over Ethernet
Imperial and metric pipe ports	Easy cable termination access
Lint Trap	Rubberized finish to external housing

About Xtralis

Xtralis is the leading global provider of powerful solutions for the early detection of fire, gas and security threats. Our technologies prevent disasters by giving users time to respond before life, critical infrastructure or business continuity is compromised. We protect high-value and irreplaceable assets belonging to the world's top governments and businesses. For more information about our life safety and security solutions, visit our web site at www.xtralis.com.

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