Introducing 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 VESDA VLI, Xtralis has created an industrial-strength detection category that will benefit customers in these critical but often harsh environments.

A New Benchmark for Industrial Fire Detection

The VESDA VLI platform with its patented, innovative technology is the result of extensive learning from thousands of real-world implementations in harsh environments over more than 25 years. 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 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 cost of ownership

Innovative Features for Industrial Applications

The VESDA VLI showcases a host of innovative features that collectively make it a surgical solution aimed at addressing the unique challenges of industrial applications.

Features

- Up to 2,000 m² (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
- AutoLearn™ smoke and flow
- Referenceable
- 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
- PSI4 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
- IP54 Sub-sampling probe (inertial separator)
- Ultrasonic flow sensing
- Easy mounting through steel support bracket
- Local USB configuration port
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About Us

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. Our solutions include VESDA® by Xtralis – very early warning aspirating smoke detection; ICAM™ by Xtralis – flexible aspirating smoke detection, ADPRO® by Xtralis – perimeter, multi-site and enterprise security; and ASIM™ by Xtralis – intelligent traffic detection.

Xtralis is the leader in very early warning fire detection and invented VESDA very early warning aspirating smoke detection (AED), the world’s No. 1 AED brand. Customers worldwide rely on VESDA by Xtralis when business continuity is imperative, environments are challenging, and time is required to ensure safe and orderly evacuation.

VESDA detectors are available in a variety of models to accommodate a broad range of environments and applications. From small to very large, open spaces and from the cleanest to the dirtiest of environments, VESDA provides reliable, high-sensitivity, very early warning smoke detection.

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

Industrial fire detection systems made 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

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

Manufacturing is the backbone of both large and small businesses. A loss due to fire could devastate some companies. VESDA VLI provides very early warning fire detection in manufacturing facilities such as:
• Boats/fiberglass products
• Chemicals
• Food
• Glass
• Packaging
• Paper
• Petroleum
• Plastics
• Rubber
• Leather goods
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- Chemicals
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- Paper
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- Rubber
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- Tobacco processing
- Oil and gas production
- Grain silo and wood chip
- Steel production
- Vehicle manufacturing
- Paper mill and recycling
- Textile manufacturing
- Pharmaceutical manufacturing
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Innovative Features for Industrial Applications

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

Features

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- AutoLearn™ smoke and flow
- Five (5) relays (Fire, Fault and 3 configurable)
- Field-replaceable parts for ease of servicing
- Xtralis VSC, VSM and ASPIRE2 software support
- Modular, field-replaceable parts for capacity expansion
- Easy mounting through steel support bracket
- Imperial and metric pipe ports
- Easy cable termination access
- Lint Trap

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