

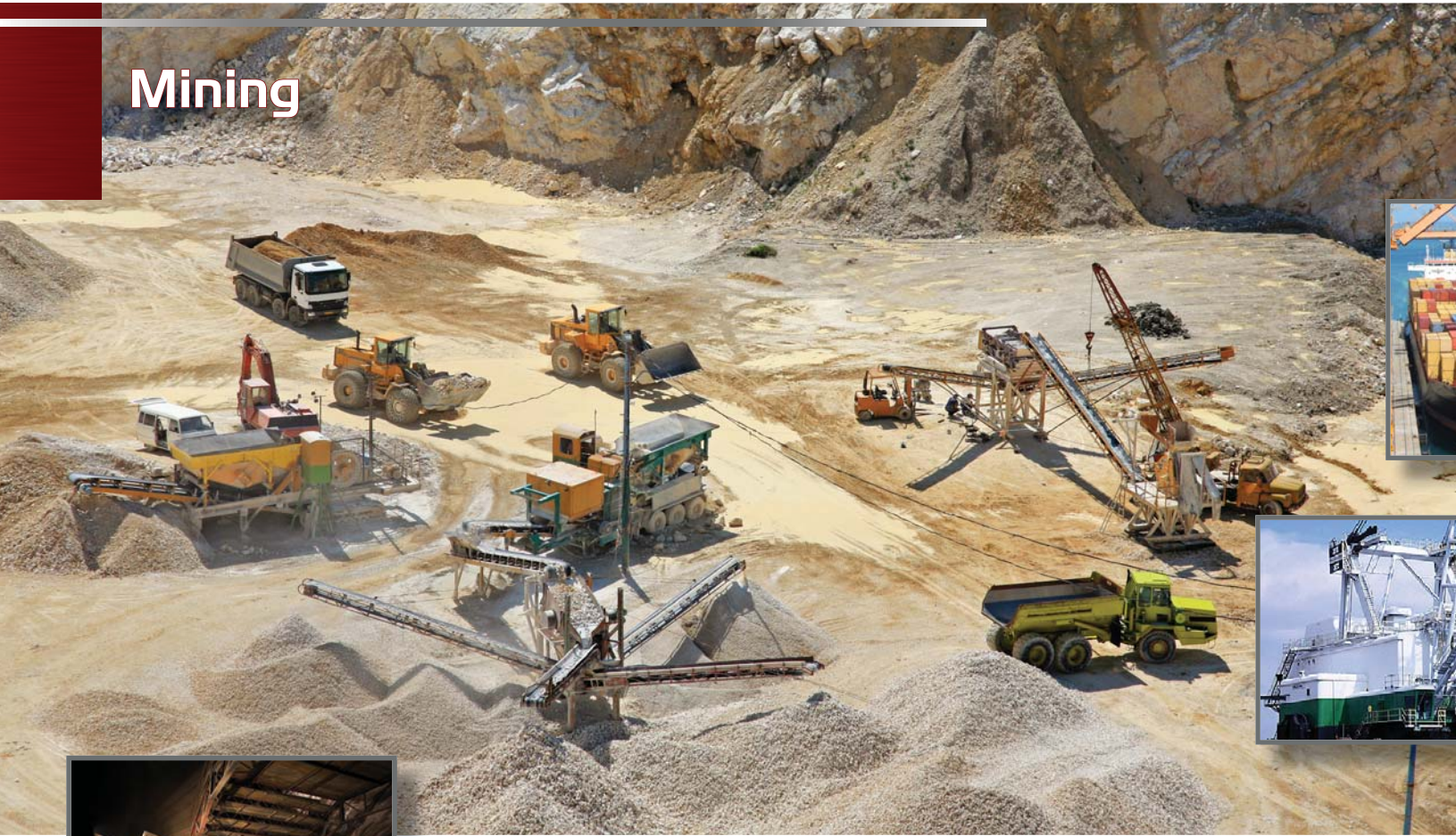


## VESDA VLI

# Air-sampling Smoke Detection for Industrial Applications



# Mining



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

## Coal Transport



# Processing



Ports



Power Stations



Industrial Production

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.



Coal Mining



Steel Production



# Manufacturing

Tire Manufacturing

Rubber

Plastics

## RECYCLING

Battery Manufacturing

Paper Mill and Recycling

Meat Processing

Cotton

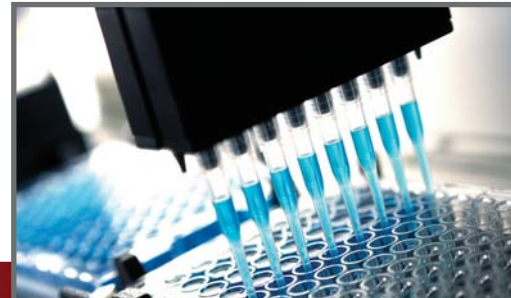
Manufacturing is the backbone of both large and small businesses. A loss due to fire could devastate some companies. VESDA VLI provides very early warning fire detection in manufacturing facilities such as:

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

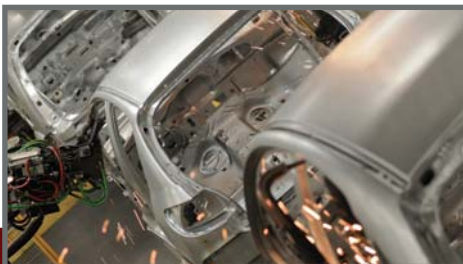
Textile Manufacturing



Pharmaceuticals



Vehicle Manufacturing



# 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 wash-down 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 detector 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 features specifically designed to address the common challenges of industrial applications.

### Features

Up to 20,000 sq. ft. (2,000 m <sup>2</sup> ) coverage	Up to 4 inlet pipes
Total pipe length up to 1,200 ft. (360 m)	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 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 air-sampling smoke detection, ICAM™ by Xtralis – flexible air-sampling 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 air-sampling smoke detection (ASD), the world's No. 1 ASD 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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