

MISSION-FOCUSED SMOKE DETECTION SOLUTION FOR MISSION CRITICAL INFRASTRUCTURE

Your mission critical facility is vital to your organization. VESDA-E significantly mitigates fire risks, ensures uptime while lowering costs.

TOO CRITICAL TO FAIL

Mission critical facilities are at the foundation of an organization's ability to function. Maintaining the integrity and availability of the infrastructure is a top priority. Mission critical facilities are dynamic infrastructures comprised of many elements each having the potential of instigating or propagating a fire.

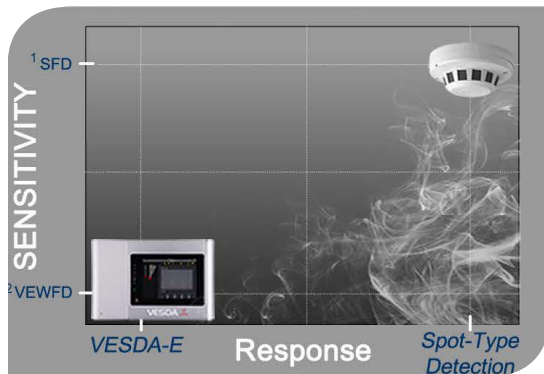
Consider the magnitude of electrical systems and subsystems, mechanical systems or adjacencies both internal and external to the facility. The consequences of even a small incident can be severe.



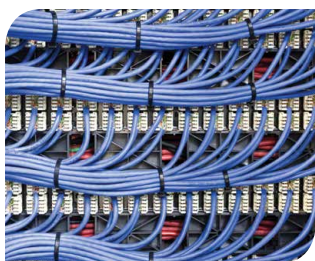
SMOKE IS ONLY THE START OF THE PROBLEM

Detecting smoke at the earliest possible stage of fire growth development is of crucial importance.

When exposed to smoke, significant equipment damage in facilities housing sensitive IT/communication equipment is predominantly the result of corrosion. Smoke-borne chemicals can be deposited on delicate electronic equipment whereby humidity and moisture can then interact with these chemicals to initiate corrosion. HVAC systems contribute to widespread distribution effecting adjacent equipment downstream from the source of the incident. Corrosive may significantly effect equipment reliability leading to latency or complete network outages.



VESDA-E Smoke+ mitigates this problem by providing earlier warning than ever before – even in high airflow environments. Up to 15 times higher sensitivity and support for more sampling holes make VESDA-E the highest performing ASD solution for mission critical facilities.



VESDA-E: TARGETED DETECTION

VESDA-E's ability to discriminate between different smoke and particle types is a major benefit for Datacom facilities, especially those located in major cities. Dense urban environments are characterized by background levels of ambient pollution, including motor vehicle exhaust, manufacturing smoke, dust and soot. These ambient sources inevitably enter even the most sterile facility – via air-conditioning systems, loading bays, and the movements of staff and clients.

With most fire detection systems, this forces a trade-off between very early warning and increased risk of costly nuisance alarms. In many cases, the only practical solution is to reduce detector sensitivity.

VESDA-E's intelligent Flair™ detection technology and VESDA Analytics mean targeted detection of threats is possible without nuisance alarms. VESDA WireTrace™ allows specific targeting of slowly overheating PVC wire events at levels close to the ambient environmental smoke level.

VESDA DustTrace™ allows monitoring of the environment for dust and can warn of contaminants in free air cooling, or if HVAC filtration should fail. Monitoring and reporting is made simple through integration with the VESDA Connects suite of connectivity solutions.

WITH VESDA-E, YOUR INVESTMENT IS PROTECTED

With at least 40% greater coverage in high airflow environments, VESDA-E represents a considerable CAPEX savings. Easier servicing and field replaceable architecture further reduce system OPEX. VESDA-E is also completely compatible with existing VESDA systems. VESDA Stax, a range of hardware expansion modules, add additional functionality to VESDA-E at, or after installation, future-proofing your investment. VESDA Stax include automated pipe-cleaning, power supplies, gas detection with many more in development.

YOUR DATACOM OPERATION IS AT THE HEART OF THE MODERN WORLD. VESDA-E IS THE ONLY ASD SYSTEM THAT CAN KEEP IT THERE

VESDA-E builds upon more than 30 years of experience protecting Telecommunications and Data Centers. VESDA systems already protect iconic buildings and high-tech facilities around the world making VESDA the uncontested leader in very early warning smoke detection for Data Centers.

VESDA-E CONNECTS TO YOUR BUSINESS

VESDA-E provides unprecedented connectivity through an embedded webserver, VESDAnet, Ethernet, WiFi, and USB support. Monitoring is further enhanced through iVESDA for both Android™ and iOS hand held devices.

ABOUT XTRALIS

Xtralis® is a leading global provider of solutions for the early detection of smoke, fire, and gas threats.

Our technologies prevent disasters by giving users time to respond before lives, assets, critical infrastructure, or business continuity is compromised. Our brands include VESDA-E – the latest generation of aspirating smoke detection technology; VESDA® – the original very early warning aspirating smoke detection (ASD) system; ICAM™ for ASD; Sensepoint & ECO™ – Gas detection & environmental monitoring modules; and, OSID™ – beam smoke detection for open areas.

Learn more: www.xtralis.com/vesda

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