xtralis®

VESDA-E
THE ULTIMATE SMOKE DETECTION SOLUTION
FOR AUTOMATED MANUFACTURING PLANTS

xtralis®

NOW YOU CAN PROTECT EVEN
SMOKY ENVIRONMENTS FROM FIRE
– QUICKLY, EASILY AND PRECISELY

AUTOMATION BOOSTS PRODUCTIVITY BUT INCREASES FIRE RISK, AND THE NEED FOR RELIABLE DETECTION

Automated manufacturing environments contain extremely valuable plant equipment and manufactured parts. High-energy robotic systems require complex electrical infrastructure, and automated processes such as spot welding and machining-produce arcing, fumes, smoke and fine dust particles.

When it comes to efficient, effective Very Early Warning (VEW) fire detection, automated manufacturing environments have presented a significant challenge – until now.

VESDA-E, featuring VESDA Smoke+, offers dramatically increased sensitivity – up to 15 times greater than previous models. Completely backwards-compatible and with VESDA Flex, field upgradeable, the VESDA-E reduces the Total Cost of Ownership of the system.

VESDA-E: TARGETED DETECTION

VESDA-E's ability to discriminate between different smoke and particle types is a major benefit for manufacturing operations characterized by background levels of manufacturing smoke, welding fumes, dust and soot.

With most fire detection systems, the presence of "normal" smoke forces a tradeoff between very early warning and an 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 allows high sensitivity alarm threshold setting and superior dust rejection at the same time reducing the probability of nuisance alarms while maintaining the highest level of early warning.

The Flair detection technology improves upon Xtralis' proven clean air barrier technology and provides true absolute calibration to ensure consistent detector performance in harsh environments and at least twice the longevity. Furthermore, VESDA-E now features optional automated pipe cleaning capability, ensuring its continuous airflow sampling technology works at maximum efficiency at all times. Periodic maintenance is thus kept to an industry-leading minimum. In the unlikely event that a VESDA-E component needs replacing, the operation is fast, simple and low-cost due to the modular design of VESDA-E and its field-replaceable parts.

WITH VESDA-E, YOUR INVESTMENT IS PROTECTED

With up to 80% greater coverage in high ceiling environments, VESDA-E represents considerable CAPEX savings. More accessible servicing, together with replaceable architecture, further reduces system OPEX. VESDA-E is also completely compatible with existing VESDA systems.

VESDA Stax, a range of hardware expansion modules, adds 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.

VESDA-E CONNECTS TO YOUR BUSINESS

VESDA-E provides unprecedented connectivity through an embedded webserver, VESDAnet, Ethernet, standard Wi-Fi, and USB support.

Monitoring is further enhanced through iVESDA for both Android™ and iOS devices.

LEARN MORE: XTRALIS.COM