VESDA®

SMOKE+	FLEX	ANALYTICS	VERIFY	CONNECT	TOTAL COST OF OWNERSHIP (TCO)
A new benchmark for detection performance, detection reliability, consistent performance over time and efficiency of operation	Future Proof expandability and programming for maximum flexibility across a wide variety of applications	Unique particle characterization capabilities that enable informed targeted detection and response	Verification provides situational awareness to improve response time, efficiency and effectiveness	Flexible networking and programming capabilities that reduce maintenance and monitoring costs by up to 50% through extensive connectivity options and remote diagnostics	VESDA-E provides lifetime of value, reliability, and protection – with VESDA-E you can reduce Total Cost of Ownership by up to 15%!

SMOKE+

» Detection Performance
- Vastly better sensitivity
- Faster response time

» Detection Reliability
- Minimizing nuisance alarms
- Unsurpassed detection stability under temperature

» Consistent Performance Over Time
- Long term exposure to smoke
- Long term exposure to dust

» Efficiency of Operation
- Power consumption per unit area

FLEX

Auto Pipe Clean StaX

» Automated Pipe Cleaning StaX improves performance and minimizes maintenance costs in dusty environments

PSU StaX

» Integrated power supply providing operating power including battery backup for VESDA-E detectors

XAPPS

» Xtralis software applications (Xapps) that can be purchased, downloaded, configured and managed remotely over the internet

ANALYTICS

DustTrace™

DustTrace™ provides targeted detection of dust which is present in the sampled air

» Actionable response to prevent contamination in food manufacturing and storage facilities

» Activate or shutdown fresh air make-up to save energy and prevent contamination in telco and data center facilities

DieselTrace™

DieselTrace™ provides targeted detection of diesel engine exhaust particles that are abnormally present

» Actionable response to prevent contamination in food storage facilities or clean manufacturing facilities when diesel particles are detected

» Activate ventilation in loading bays, warehouses, parking garages, bus depots, road tunnels when diesel particle threshold is exceeded

WireTrace™

WireTrace™ provides targeted detection of particles from slowly overheating PVC insulated wires

» Directs investigation to primary source (i.e. electrical wires and/or cables) resulting in a faster response for asset protection and business continuity
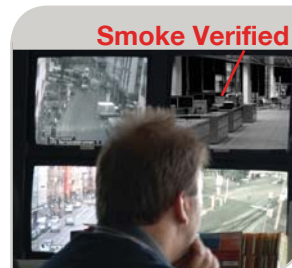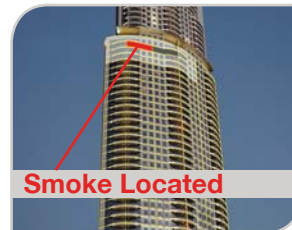
VERIFY

Addressability:

» VESDA-E pinpoint addressability with flexible tubing (up to 120 holes)

» VESDA-E VEA is a multichannel addressable system which is able to divide a protected space into sampling locations, enabling the localization of a fire for faster incident response

SmokeTrace:

» Seamless integration of ADPRO SmokeTrace for visual verification of smoke

Smoke Located

Smoke Verified

CONNECT

» Ethernet enables connectivity with Xtralis VSC & VSM4 and provides access to an embedded Webserver and email alerts

» WiFi enables connectivity with hand-held Android & iOS devices

» USB port allows direct PC connection as well as firmware upgrade, configuration upload and event log retrieval

» VESDAnet supports up to 200 VESDA-E devices on a single loop

» VESDA-E detectors provide up to 12 relays

TOTAL COST OF OWNERSHIP (TCO)

» Delivering greater Capex value with higher sensitivity and longer pipe runs to reduce the total installation cost

» Reduces Opex with longer pipe runs enabling convenient mounting, and field replaceable parts

» Plug & Play installation improves the installation experience and reduces installation cost

» Design-less pipe networks eliminate design for simple networks and provide direct time and cost saving

» Backwards compatibility
- Same footprint, pipe conduit pitch and relays order as VLP/VLS
- Acts as a gateway into existing VESDAnet

» Vast monitoring options
- VSM4
- iVESDA
- Webserver
- Email alerts
- Remotes

VESDA® Ξ™

PRODUCT COMPARISON

Parameter	VESDA-E VEU	VESDA-E VEP-A10-P	VESDA-E VEP-A00-1P	VESDA-E VEA
Fire 1 Lowest Threshold	0.001%/m (0.0003%/ft)	0.01%/m (0.0031%/ft)	0.01%/m (0.0031%/ft)	Sampling hole sensitivity 1.6%/m (0.5%/ft)
Detection Range	0.001 - 20.0% obs/m (0.0003 - 6.25% obs/ft)	0.005 - 20% obs/m (0.0016% - 6.25% obs/ft)	0.005 - 20% obs/m (0.0016% - 6.25% obs/ft)	0.020 - 16% obs/m (0.006 - 4.88% obs/ft)
EN54-20 Max. no of Holes (Class A / B / C)	80 / 80 / 100	40 / 80 / 100	30 / 40 / 45	40 up to 120
Pipe Length (Linear)	400 m (1,312 ft)	280 m (919 ft)	100 m (328 ft)	40 x 100 m (40 x 328 ft)
Pipe Length (Branched)	800 m (2,624 ft)	560 m (1,837 ft)	130 m (427 ft)	NA
Flow Sensing	Ultrasonics	Ultrasonics	Ultrasonics	Pressure Transducer and Thermistor
Flow Thresholds	Per Pipe	Per Pipe	Per Pipe	Per System
StaX Support	Yes	Yes	Yes	Yes
Analytics Support	Yes	Yes	Yes	No
Addressability	No	No	No	Up to 120 sampling holes
VESDAnet	Yes	Yes	Yes	Yes
iVESDA Support	Yes	Yes	Yes	Yes
Field Replaceable Chamber	Yes	Yes	Yes	Yes
WiFi, Ethernet, USB	Yes	Yes	Yes	Yes

xtralis®