DieselTrace™ Analytics
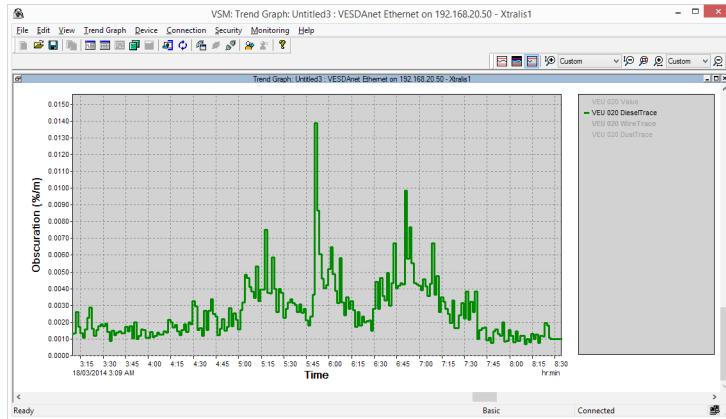
DieselTrace Software Analytics

DieselTrace is an optional software analytics that can be licensed for the VESDA-E series of aspirating smoke detectors. It provides targeted detection of diesel engine exhaust particles in abnormal scenarios, such as when a diesel engine is not fitted with particle filters, or the particle filter fitted to a diesel engine malfunctions.

Realtime monitoring is possible with Xtralis VSM4, the PC-based solution for integrated control and monitoring of Xtralis very early warning smoke detection systems, and iVESDA, a mobile application for iOS® and Android™ platforms. Notification of analytics events is provided via Xtralis VSM4, iVESDA, Xtralis VSC or a VESDA-E Analytics Relay Module VRT-X00*.

DieselTrace trending graph in Xtralis VSM4

Application Scenarios

- Saves goods in food manufacturing and storage facilities, and clean manufacturing facilities with targeted response to potential contamination from diesel particles.
- Confidently employs environmental control measures such as ventilation activation in loading bays, warehouses, parking garages, bus depots, road tunnels when diesel particles threshold is exceeded.

Target Applications

- Food storage and processing facilities
- Clean manufacturing facilities
- Loading bays
- Warehouses
- Parking garages
- Bus depots
- Road tunnels

Features

- Time trend of diesel particles in the sampled air
- User configurable diesel particles notification threshold to suit the application and environment
- Integrated with Xtralis VSM4 and iVESDA software applications
- Notification signalled via the VESDA-E Analytics Relay Module VRT-X00*
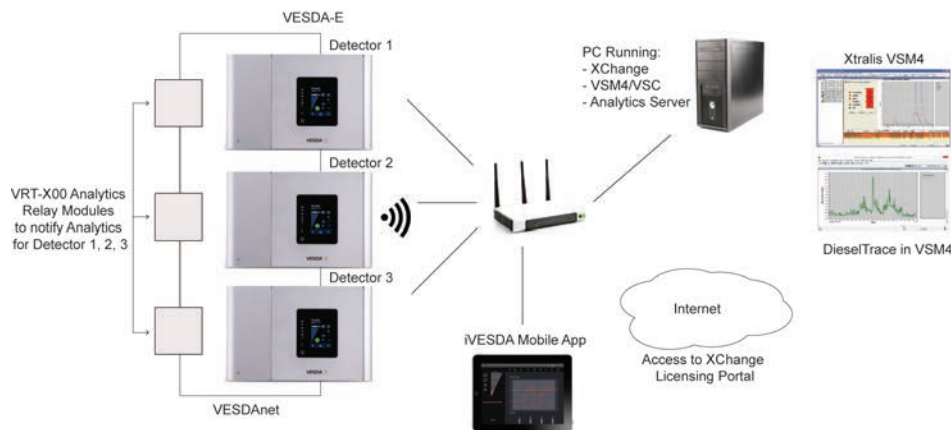
Benefits

- 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, and road tunnels when diesel particles threshold is exceeded

Requirements

- VESDA-E series aspirating smoke detector(s)
- Network-connected PC running:
    - VESDA-E Analytics Server software
    - Xtralis VSM4 for monitoring
    - Xtralis VSM4/VSC for configuration
    - Xtralis XChange
- Tablet running iVESDA for monitoring (optional)

* Check with your regional Xtralis office for availability.

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DieselTrace™ Analytics for VESDA-E

How to get DieselTrace?

1. Purchase a DieselTrace Xapp Token through normal Xtralis sales channels - a Token is a unique key that will unlock the Xapp. Each detector requiring DieselTrace analytics capability requires its own Token.

2. Visit the Xtralis XChange at license.xtralissecurity.com to download the PC XChange tool

3. Use the XChange Tool to redeem token and manage the installation and licensing of DieselTrace

4. Use Xtralis VSC or Xtralis VSM4 to configure the Analytics Server and detectors for monitoring

Other Analytics Xapps from Xtralis

In additon to DieselTrace, Xtralis offers the following analytics for VESDA-E detectors:

• WireTrace™ - Targeted detection of particles from slowly overheating PVC insulated wires

• DustTrace™ - Targeted detection of dust which is present in the sampled air

Ordering Information

DieselTrace	VSW-802
VESDA-E Analytics Relay Module	VRT-X00