

CALL CENTRE

ASPIRATING SMOKE DETECTION



Overview

Call Centres are an increasingly common feature of modern business life.

Typically operating 24 hours a day, 7 days a week they have come to be regarded as an essential, non-interruptible service. The interruption to this direct customer link due to fire can result in significant consequential losses.

A Unique Challenge

Call Centres are typically large void, high ceiling areas. Smoke from even a moderate fire will quickly lose buoyancy as it cools, The resulting dilution makes it difficult for conventional systems to detect.

Limited access in Call Centres often makes conventional systems costly to maintain.

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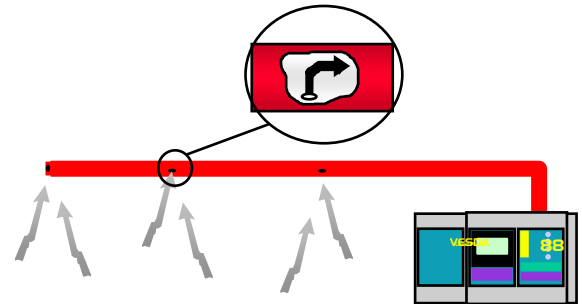
Why Aspirating Smoke Detection and VESDA?

VESDA excels at detecting highly diluted smoke and can detect smoke levels as low as 0.005% obscuration per metre.

Furthermore, the VESDA detector can be installed outside the protected area, perhaps in a convenient service area. All necessary maintenance and interrogation can be undertaken at a convenient location without business disruption and loss of profit.

How Does Aspirating Smoke Detection Work?

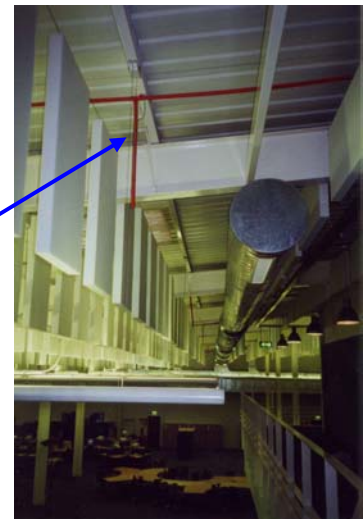
Air is continuously drawn, from an area, via a pipe network, to a central detector that is continuously sampling for small traces of smoke.



A Typical Call Centre Example



High ceilings of call centres, some with sound baffling, cause particular pipework problems. Sampling in the main pipe run with drop pipes to intermediate levels can easily overcome these restrictions.



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Where can VESDA be applied?

- Call Centre operation area
- Floor voids
- Equipment rooms
- Standby power plant
- Data areas



Call Centres that Rely on VESDA

- ◆ British Telecom Call Centre – Belfast
- ◆ British Telecom Call Centre – Newcastle
- ◆ Ventura Call Centre – Rotherham
- ◆ British Telecom Call Centre – Warrington
- ◆ British Telecom Centre – Gosforth
- ◆ British Petroleum - Aylesbury

and many more...



VESDA Global Approvals

- ◆ LPCB (UK)
- ◆ VdS (Germany)
- ◆ UL (USA)
- ◆ FM (USA)
- ◆ SSL (Australia)
- ◆ JMI (Japan)
- ◆ AFNOR (France)
- ◆ CNBOP (Poland)

Others pending.

Installation and Performance Standards

- ◆ British Fire Protection Systems Association – Code of Practice for Category 1 Aspirating Detection Systems. Available from the BFPSA – telephone +44 (0)20 8549 5855
- ◆ British Standard Institute – BS BS5839 – Fire detection and alarm systems for buildings - Part 1 Code of Practice for System Design, Installation and Servicing. Available from the BSI – telephone +44 (0)20 8996 7000

For information on other projects or application guides, please contact:



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