# Data Centers, Computer Rooms, IT Facilities, Hubs and Remote Sites

FireNET Vapor®

BY HOCHIKI

## Minimize Downtime... avoid Shutdown

Data rooms, server rooms, IT facilities and remote hubs are prime examples of where very early warning smoke detection is essential. When it comes to protecting mission critical equipment, high value assets and life safety, FireNET *Vapor*® is the preferred solution!

## Vulnerabilities

- Strategic facilities
- Server down time
- Business shutdown
- Wiring
- Accessibility
- Maintenance access
- Repair
- Periodic testing
- Contamination
- Equipment corrosion

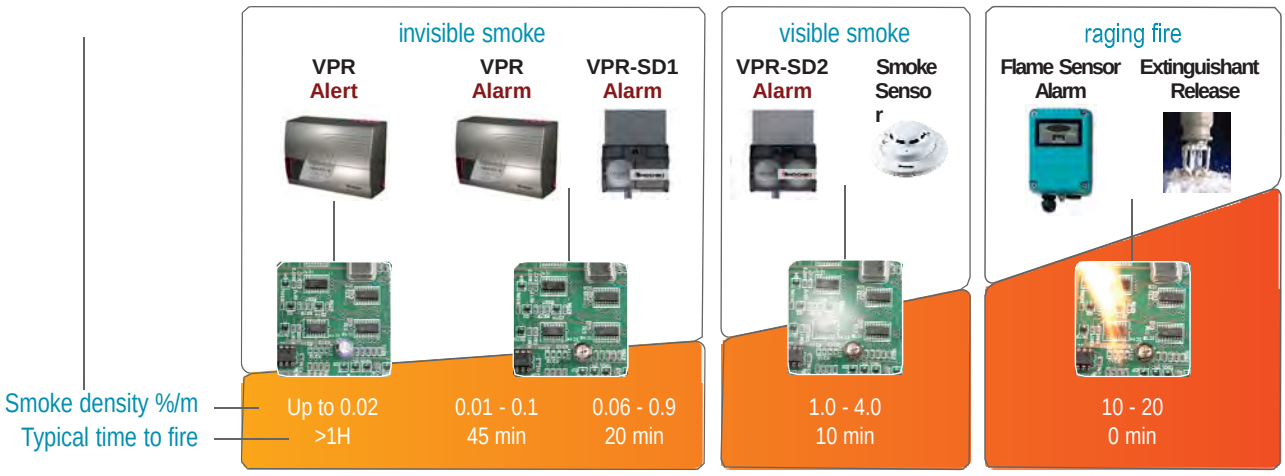
## Wide Product Range

The FireNET *Vapor*® range offers products for all types of applications, with solutions ranging from an aspirating conventional spot (point) type detector system through to a 15-sector Very High Sensitivity Aspirating Detector.

Let sensitivity and addressability determine your ideal choice.

The time line below shows the evolution of a fire on an overheating printed circuit board. The event progresses from releasing small invisible particles into a raging fire over a substantial period of time. The more time you have to react to an event decreases the likelihood of loss and maintenance costs of your business.

The extra response time created by early detection is a critical component in managing any fire event.



# Reliable Very Early Warning Solutions

Some modern Internet data centers use smoke detection systems that are often unable to identify the precise source of the event without shutting down a facility for manual investigation and causing unacceptable loss of business continuity.


The FireNet *Vapor*® range provides solutions that can pinpoint the source of an incipient smoke incident therefore minimizing downtime and the time to locate the event. The ability to localize a fire event in up to 4, 6 or 15 sectors within a zone, enables the individual identification of alarms in areas such as underfloor and ceiling voids, cabinet banks and air handling units. By providing up to four alarm levels per channel, a wide sensitivity range of 0.001% to 20% obscuration/m (0.0003% to 6.1% obs/ft), and the ability to compensate for ambient contamination from outside air, FireNet *Vapor*® is the preferred choice of air-sampling system with its flexibility and functionality.

The alarm output can be used to automatically shut down a particular server cabinet at fault or drive a localized suppression system.


Remote base stations are as mission critical as larger server rooms. These are the heart of today's communications and down-time will not only result in financial loss but also the disruption of vital business communication. For these business critical sites, the FireNet *Vapor*® range provides a perfect and economic solution in the VPR-SD1 or VPR-SD2 air-sampling smoke systems.

VPR-SD2 systems contain 1 or 2 conventional spot (point) type smoke detectors and can be set up for double knock detection to minimize the risk of false alarms without compromising on sensitivity. However, when higher sensitivity or additional response time is essential, VPR-SD1 systems can provide the solution with a smoke detection sensitivity ranging from 0.06% obscuration/m (0.02% obs/ft).

## FireNet *Vapor*® Explorer has the system at your fingertips…

FireNet *Vapor*® Explorer management software provides full and comprehensive integration of your fire protection systems. FireNet *Vapor*® Explorer configures, monitors and troubleshoots your fire systems. It is easy-to-use and has been designed to provide you, the operator, with complete control. The user-friendly interface allows you to quickly assess and respond to system events - all from one convenient location. FireNet *Vapor*® Explorer is a total solution for integrated control and monitoring of your Very Early Warning smoke detection system.

# Other Industries

## Unmanned Sites

- Fully self-contained
- Additional environmental parameters monitored
- Web access

## Warehouses

- Pipes can be placed within the racking
- Minimize maintenance costs
- Access difficult to reach areas which cannot be monitored by normal detection

## Correctional Facilities and Detention Centers

- Tamper proof air sampling
- Central Maintenance facilities

## Cold Stores

- No heated detector bases
- Very Early Warning
- Unaffected by high airflows
- Simple installation

## Mines

- Individual protection of high-voltage switchgear cabinets
- HV cabinets are bolted and cannot be opened easily
- PLC and control rooms
- Electrical substations

## Historic Buildings/ Museums

- Discrete monitoring
- Rapid response
- Monitoring valuable assets

## IT Rooms

- Extremely high sensitivity
- Individual cabinet identification
- Unaffected by high air speeds

## Exclusive Residences, Apartments, Hotels, Shops and Offices

- Aesthetic, invisible
- Remote web monitoring

## Utility Providers

- Large area coverage 2,000 sqm (20,000 sq ft)

## Transport

- Ideally suited to long compartments
- Concealed detection
- Automatic air pollution compensation
- Multiple sectors for carriage sets with integral cabs

## Significant Religious Buildings

- Unobtrusive detection
- Earliest detection

## Wind Turbines

- Smoke detection control during braking both Emergency and Operational
- Unaffected by arcing, lightning and static electricity
- Unaffected by air speeds within the generator
- Insensitive to environmental conditions







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LISTED

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