

# VESDA by Xtralis Protects Colleges and Universities

## Reduce Fire System Maintenance and False Alarms

In a respected survey\*, half of the responding schools noted that fire system maintenance is one of their top fire protection challenges. False alarms came in a close second. Other challenges mentioned by respondents include lack of carbon monoxide detection, incomplete coverage, renovations compromising the original system design, and staff compliance with fire code policies.

## The Challenges

Most college and university campuses face the following fire prevention challenges:

### Smoke dilution because of:

- Large, open spaces – atriums, theaters, gymnasiums, stadiums
- High air-change rate and HVAC scrubbing – ducts, laboratories, datacenters, service areas

### Unpredictable air flows due to:

- Thermal stratification – glass and un-insulated ceilings

### Areas that are difficult to access such as:

- Ceiling spaces and beam pockets
- Elevators, escalators, tunnels and ducts
- Inclined floor spaces and atrium ceilings
- Dormitories and secure areas
- Laboratories, hazardous technical spaces

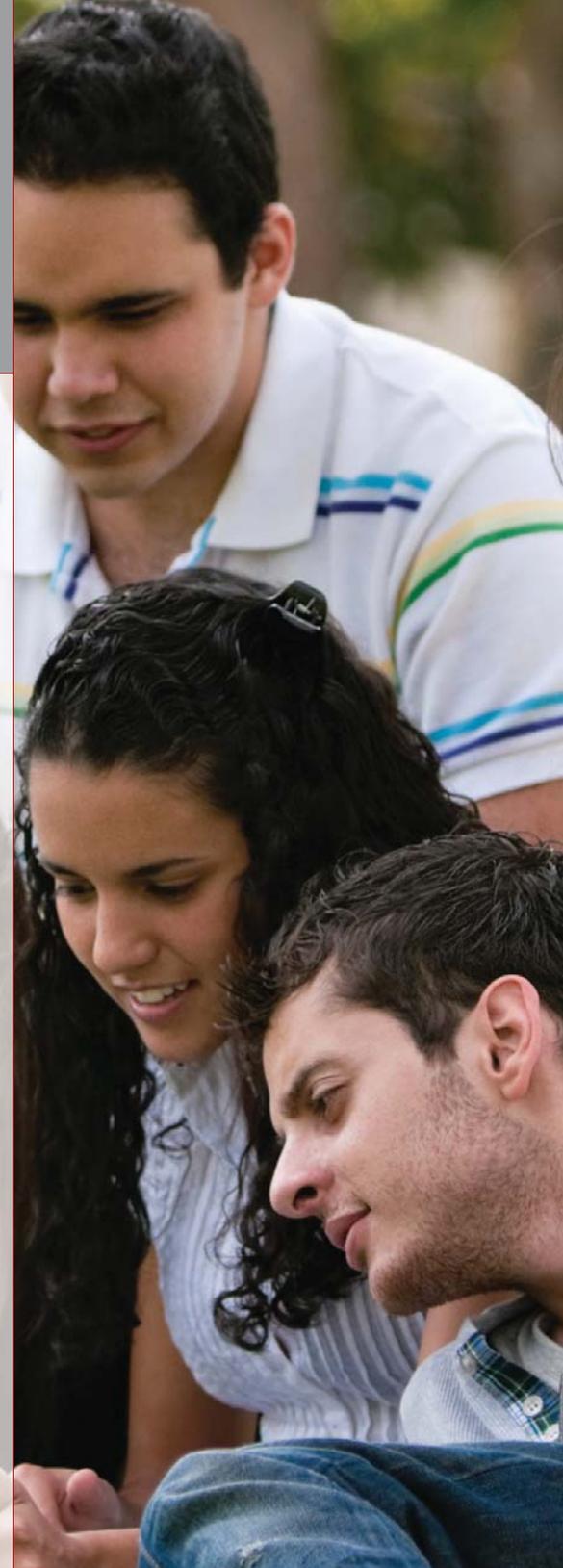
### Reliability

- Tampering and abuse

### Aesthetics

- Hidden sampling for architectural freedom

\* Source: Campus Safety, January/February 2009



**VESDA**<sup>®</sup>  
by  **xtralis**<sup>®</sup>

## The Advantages of VESDA

The VESDA air-sampling smoke detection (ASD) system is the optimal fire prevention solution for colleges and universities.

- VESDA detectors can be located centrally to **provide easy maintenance** from outside busy lecture halls or secure areas.
- Multiple alarm levels **reduce nuisance alarms** and their associated costs.
- The optics of a VESDA detector are protected from contamination for an **increased detector life**.
- High sensitivity enables **reliable detection of diluted smoke** in large, open spaces or the high airflow of a data center or laboratories.
- VESDA detectors constantly monitor airflow to ensure reliable sampling — **it can't be fooled by contamination, blockage or tampering**.
- Sampling holes can be hidden virtually anywhere for **improved aesthetics**.

VESDA provides very early warning fire detection and integrates seamlessly with mass notification and voice-alarm systems to provide an effective and reliable total solution for fire prevention in colleges and universities.

## Campus Areas Protected by VESDA

- Atriums, gyms, theaters and corridors
- Residential halls and dormitories
- Common areas, classrooms and staff offices
- Computer rooms and laboratories
- Libraries and museums
- Hazardous areas such as mechanical and electrical rooms

High-quality products and years of experience in protecting people and property means that Xtralis solutions have earned their reputation for lowest total cost of ownership in a wide range of applications.

## Colleges and Universities Protected by VESDA

Massachusetts Institute of Technology, USA	University of British Columbia, Canada
Princeton University, USA	University of Alberta, Canada
Stanford University, USA	Reed Care College, UK
University of Florida, USA	Yunnan Kunning Ligong University, China
University of Maryland, USA	Loreto College, Queensland, Australia
Yale University, USA	University of Western Australia



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