

CASE STUDY – EDUCATION INDUSTRY

DELIVERING CENTRALISED FIRE SYSTEM MONITORING ACROSS A DISTRIBUTED CAMPUS NETWORK

Challenge

Large-scale educational environments with multiple operational zones require consistent and reliable fire system monitoring across all buildings. In this instance, the estate comprised five separate campus locations, each operating a mix of academic, residential, and support infrastructure.

With fire detection systems already deployed across the estate, the requirement was to introduce a centralised monitoring solution capable of consolidating alarm data from multiple Fike fire alarm panels. The objective was to improve operational visibility, standardise alarm handling, and ensure scalability across a rapidly expanding campus environment.



Environment Overview

The deployment covered a large, multi-site academic environment operating across geographically separated campuses. The estate included a combination of lecture theatres, administrative buildings, student accommodation, and extensive sports and recreational facilities.

As a major public higher education institution, the estate forms part of a nationally recognised academic network and spans a significant land area developed to support both education and residential life. The distributed nature of the estate created additional complexity in maintaining consistent operational oversight across all locations.

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Solution

Working in partnership with Spectrum Safety Solutions Private Limited, Cortech Developments delivered Datalog 5 software, integrated via a dedicated Fike interface driver to connect fire alarm panels across all five sites.

Datalog provided a unified monitoring platform designed to aggregate and normalise fire alarm events from multiple independent systems into a single operational interface. The solution enabled:

- Centralised monitoring of fire alarm events across the entire estate
- Integration of multiple Fike fire alarm panels into a single monitoring environment
- Consistent presentation and interpretation of alarm data across all sites
- Improved visibility across mixed-use academic, residential, and recreational facilities
- A scalable architecture supporting future expansion

Collaboration and Implementation

Spectrum Safety Solutions provided on-site technical expertise, configuration support, and commissioning assistance across all five locations. Their role ensured:

- Consistent system configuration across all campus sites
- Coordination with local operational and facilities teams
- Structured commissioning and validation processes
- Smooth deployment across a distributed operational environment

This partnership approach ensured consistent delivery standards and effective integration across a complex multi-site estate

Results and Benefits

The solution delivered a significant improvement in fire system visibility across all locations.

Key benefits included:

- Enhanced situational awareness across distributed campus sites
- Standardised alarm monitoring and response processes
- Reduced complexity of managing multiple standalone systems
- Improved operational efficiency for facilities teams
- A scalable foundation for future campus expansion

