Cortech Developments

CASE STUDY – EDUCATION INDUSTRY

DELIVERING INTEGRATED CAMPUS SECURITY THROUGH COLLABORATION WITH RUSWIN

Overview

Cortech Developments and Ruswin, one of Cortech's valued Technical Partners, have successfully delivered a major security integration project for a leading international educational institution in Indonesia. The initiative demonstrates the power of collaboration between technology provider and systems integrator, combining local expertise with advanced software innovation to create a safer, smarter campus environment.

At the heart of the solution is Datalog, Cortech's powerful integration and monitoring software, which provides the institution's facilities and security teams with a unified platform for managing multiple building, safety, and security systems across its extensive campus.

Safeguard Students, Staff and Visitors

Centralise Operations

CASE OVERVIEW

Streamline Incident Response

Future-Proof The Campus

Project Objectives

As one of the largest international schools in the region, the client required a centralised command and control solution to enhance campus-wide safety and operational efficiency. Their key objectives were to:

Safeguard Students, Staff, and Visitors: Provide reliable, real-time visibility of events across all learning spaces, sports facilities, boarding areas, and administrative buildings.

- ● **Centralise Operations:** Enable the control room to monitor and manage alarms from multiple subsystems through a single interface.

- ● **Streamline Incident Response:** Reduce operator workload and ensure rapid response to safety or security events.

- ● **Future-Proof the Campus:** Support ongoing expansion and upgrades across academic and residential facilities.

Ruswin, a leading security integrator with deep experience in the education and government sectors, partnered with Cortech to design and deliver a Datalog-based solution that met these needs.

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Collaboration and Implementation

The success of the project was built on close collaboration between Cortech and Ruswin from design through to delivery. The Datalog system was configured to integrate multiple technologies, including:

- CCTV for visual verification and incident recording
- Access control for secure management of student and staff movement
- Intruder alarm systems to detect unauthorised access
- Fire detection systems for life safety and rapid evacuation response

By bringing these diverse subsystems together into a single, unified interface, the Datalog platform gives operators clear situational awareness and consistent control across the entire campus.

Cortech's software is designed for open compatibility with multiple manufacturers, allowing the school to integrate best-in-class technologies from different suppliers without being locked into a single vendor. This flexibility also ensures that the system can evolve in line with future site developments or technology upgrades.

The project involved:

- Joint system design and integration planning between Cortech and Ruswin
- Technical training for Ruswin engineers to support local configuration and commissioning
- On-site collaboration to ensure seamless deployment and validation before handover

This cooperative approach ensured a smooth installation process and empowered Ruswin to provide long-term, localised support for the client.

Results and Benefits

The integrated Datalog solution has delivered significant operational improvements for the institution:

- **Enhanced Campus Safety:** Real-time monitoring of CCTV, access control, fire, and intruder systems provides immediate visibility of incidents anywhere on site.
- **Operational Efficiency:** Centralised control reduces operator workload and response times, while improving coordination between facilities and security teams.
- **Cross-System Compatibility:** Datalog's ability to manage equipment from multiple manufacturers under one platform ensures seamless interoperability and investment protection.
- **Scalability:** The system's modular design supports future growth as the campus expands.
- **Empowered Local Support:** Ruswin's trained engineers continue to provide responsive maintenance and technical assistance, ensuring long-term system reliability.

A Model for Education Sector Collaboration

This project exemplifies how Cortech's Technical Partner model enables scalable, tailored solutions for the higher education and international school sector. By combining Ruswin's in-country expertise with Cortech's Datalog technology, the project delivered a robust, integrated platform that enhances safety, operational efficiency, and peace of mind for the entire campus community.

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