Allied Telesis™

Campus Security Upgrade Assures Success for the Kangan Institute

Allied Telesis Helps Kangan Institute Keep an Eye on Security

the **solution** : the **network**

Introduction

Kangan Institute is a major Australian training provider for the automotive, aerospace, health, and nursing sectors, as well as indigenous education. It also has a strong presence in a variety of industries such as fashion, business, and justice and legal.

Kangan Institute's campuses offer a wide range of courses in a variety of fields, ranging from certificates to diplomas.
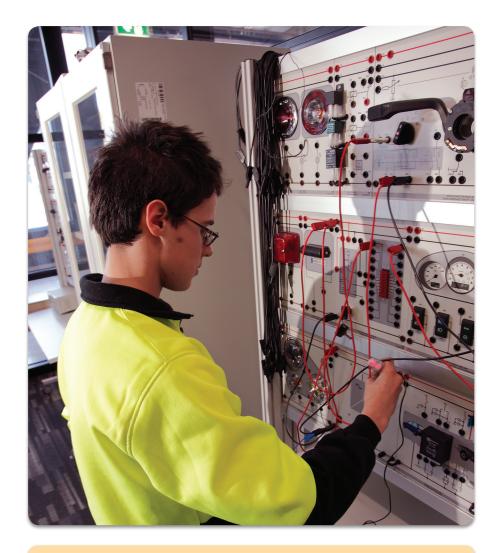
Location

The Institute includes a number of Melbourne campuses including Broadmeadows, Docklands, Essendon, Melbourne CBD, Moonee Ponds, and Richmond. It features state-of-the-art training centers, including those dedicated to aviation, polymer engineering, and logistics and supply chain management.

Campus safety and security

Student safety is paramount. Every year, more than 30,000 students attend classes at Kangan Institute. Campus grounds are highly trafficked, with students passing through both day and night. It's a constant challenge for security staff to keep students safe and to deter vandalism. Security staff must remain alert, ready to respond to any emergency.

One of the tools relied on by the security team is the Institute's Closed Circuit Television (CCTV) system.

''We are mindful of the fact that Kangan Institute is an educational institution and we need to respect students' rights to do what they need to do without 'Big Brother' looking over their shoulder all the time. But a certain level of monitoring is required to keep people and facilities safe. We don't use technology to cover every inch of public space around the campuses, but we do use CCTV to monitor main entrances and gathering points.''

Kostas Kyrifidis
Senior Consultant, Corporate Services, Resource Management Group, Kangan Institute

The surveillance system

Security system upgrade

In 2010, spurred on by the opening of a multi-million dollar Automotive Center of Excellence, Kangan Institute decided it was time to upgrade its CCTV system and replace the existing analog technology with a modern IP network solution.

A stable and reliable system

Aware that the new surveillance system would need to be stable and exceptionally reliable, the Institute turned to CCTV specialists, Q Video Systems, for advice. ''In terms of Asia Pacific, Q Video Systems is probably one of the leading suppliers of CCTV intrusion and access control systems,'' Kyrifidis notes. ''We've been interacting with them for the last ten years and have found them to be very open and dynamic. They take the time to learn about the products that they sell, and they know what works with their solutions.''

''We had an asset to protect, so we made a conscious decision to move our security system to an IP format.

We wanted IP, partly because it would allow us to tap into the corporate network. We have a significant investment in place to protect and grow our data network, and we didn't want to duplicate this effort by investing in yet another infrastructure.

IP would also let us utilize a variety of different devices and analytical tools that are not available for analog systems. We could introduce high-level interfaces between systems for the building management, emergency evacuation, HR, finance or security, thus improving our ability to respond to issues and exercise the security program.''

Kostas Kyrifidis
Senior Consultant, Corporate Services, Resource Management Group, Kangan Institute

An Allied Telesis IP network

Q Video Systems advised that Kangan Institute should build an IP network across campuses, using Allied Telesis Power over Ethernet (PoE) switches and a Verint security system. Kyrifidis happily accepted the recommendation. "Initially, we were drawn to Allied Telesis because of Q Video System's confidence. They said that Allied Telesis switches were very reliable and that they had encountered no problems using their equipment. We also liked the fact that service for the switches is readily available," he says.

With Q Video Systems' assistance, the IP network was developed. Approximately 400 cameras and 30 24-port 1GB PoE switches were strategically placed around the campuses. The Verint security solution was loaded and interfaces were developed with key applications.

"A fundamental aspect of successful system integration is backbone quality. With the Allied Telesis infrastructure, we are assured of success. System uptime and quality transmission is crucial for Kangan Institute — it's part of our service delivery commitment and security technology posture."

Gene Coutinho
Institute Security & Environment,
Kangan Institute

The result: flexible capacity

The new IP network and CCTV solution has delivered all the Kangan Institute's security team had hoped for. Using CCTV in conjunction with the Institute's information systems, the security team can now provide a more seamless and immediate response to emergencies. If an emergency occurs, interfaces to other applications enable staff to build an understanding of the emergency and the affected location. For example, they can identify the number of people on site, the state of access systems, and whether the police or fire brigade have been notified.

"If our switching gear failed, we would lose our eyes on the ground. Surveillance is important because we cannot have security personnel everywhere. It's not the right approach for a place like Kangan Institute, plus we couldn't provide the same level of security if we had to rely only on people. What we have achieved is a better picture of the environment through the use of technology," Kyrifidis acknowledges.

In 2012, the Institute's work in developing a streamlined, sophisticated, multi-campus CCTV solution was publicly acknowledged, with the organization receiving a highly commended award in the Integrated Security Solution category at the Australian Security Industry Awards for Excellence.

"The Allied Telesis switches have provided a very stable backbone for this critical service. They have also given us a very flexible capacity. In the two years since the IP network was created, the physical area being monitored has grown and the number of cameras has increased by twenty percent annually. Despite these changes, the switches have continued to operate consistently and reliably without a hiccup."

Kostas Kyrifidis
Senior Consultant, Corporate Services, Resource Management Group, Kangan Institute

"Kangan Institute is committed to our learning community and the variety of stakeholder partnerships. Our investment in our security and safety programs is well developed and, in particular, our extensive CCTV system has proven itself time and time again."

Richard Turnball
General Manager,
Resource Management Group,
Kangan Institute

About Allied Telesis, Inc.

Founded in 1987, and with offices worldwide, Allied Telesis is a leading provider of networking infrastructure and flexible, interoperable network solutions. The company provides reliable video, voice and data network solutions to clients in multiple markets including government, healthcare, defense, education, retail, hospitality and network service providers.

Allied Telesis is committed to innovating the way in which services and applications are delivered and managed, resulting in increased value and lower operating costs.

Visit us online at **alliedtelesis**.com

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