Republic Polytechnic
Technology-driven campus secured by Bosch

BOSCH
Invented for life

Industry:
Education / Higher Edication

End User:

Republic Polytechnic, Singapore
Republic Polytechnic (RP), a prestigious academic institution in Singapore, offers undergraduate diploma courses in science, engineering, IT, technology for the arts, sports, health and leisure. In January 2006, it opened its doors to the sprawling 20 hectare 'fenceless campus' in Woodlands. Fully equipped with state of the art facilities such as a wireless digital library, sports complex and staff housing, the campus caters for up to 13,000 students as well as members of the community. RP is renowned for its technological innovation.

Business Objective:

As a technology-driven institution, RP required cutting-edge solutions to secure and monitor its new campus. The latest access control, CCTV systems and intrusion alarm systems needed to be integrated into one, easily controlled system. However, the project was under a tight delivery schedule to meet the innauguration deadline. Consultant Beca Carter was brought in to design the solution.

Solution:

Bosch was the preferred partner of choice because of its capabilities in providing integrated security solutions and having successfully commissioned RP's former campus in Tanglin.

The Integrated Security Management System (ISMS) installed at RP consists of a client-server based system that handles all the security management functions. The ISMS comprises file servers, central supervisory computers and network controllers/Gateway Computer. The RP system is able to control:
- 500 Bosch Dinion and AutoDome CCTV cameras
- IP encoders, ViDOS & NVR System
- Card Access System using approximately 900 card readers
- Intrusion Monitoring System and Intercom System.

The design of the complete system is based on a truly distributed processing mode without compromising to a 'degraded' operation, even if there is a failure in any of the supervisory computers or communication link. The local intelligent controller units and associate sub controllers are fully capable of stand-alone operation.

Republic Polytechnic Campus, Singapore

The Bosch VIDOS IP network CCTV System provides the flexibility for users to view video via both PC and analogue monitors, wherever there is a network point link to the campus network. The Bosch VIDOS Video Management System provides a single means to control both, ensuring the highest efficiency in managing video information in an IP network CCTV system.

Result:

Product integration was vital in creating an effective security solution at RP. The installed ISMS has proven to be easy to monitor and control and met all targets.

"By using the ISMS from Bosch, we are benefiting from an effective and easy-to-manage security system. We are already seeing reduced operational costs, as fewer security guards and operators are required to monitor the premises. As we expand our operation the system is flexible and capable to accommodate our future needs which can be achieved at a lower cost. We are delighted with the implemented solution from Bosch" said Lim Tuan Seng, Director - Office of Estates.

Installed by:

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