

Changi Airport Group Entrusts Bosch Integrated Solutions – Singapore



BOSCH

Invented for life

Industry:

Transportation - Airport

End User:

Singapore Changi Airport

Singapore Changi Airport is the seventh busiest international airport today. It is also a major air hub in Asia, serving more than 100 airlines flying to more than 200 cities in about 60 countries and territories worldwide. In 2011, Singapore Changi Airport handled more than 46 million passenger movements and a flight takes off or lands at Changi Airport roughly once every 100 seconds.

Initial Business Objective:

At Changi Airport, Changi Airport Group (CAG) works with various airport partners such as the ground handlers, airport auxiliary police as well as government agencies as well to manage and monitor the day-to-day activities on the ground. It is an essential requirement to install a reliable security (Surveillance and Access) and communication (Public Address) system to assist CAG in meeting the demands of the daily operations.

There was a need to upgrade the existing system to allow better control and monitoring of all security and communication systems, and enable faster responses to emergencies and greater overall effectiveness. For an international airport, safety is of paramount importance. Thus, there are stringent requirements on the product features and specifications such as performance and aesthetics. The Manager (Master Planning / Security / IT), Consultant, and Authority (Ministry of Home Affairs) had to find the best solution to satisfy multi-stakeholders, and agencies.

With 24/7 operations, another challenge posed during the installation phase was that inconveniences had to be kept to the minimum so that passengers could continue to enjoy their travel experience.

Solution:

Changi Airport required high-quality public address systems, and video surveillance systems for dealing with security, safety and communication challenges across the zones. As a result, Bosch AutoDome and FlexiDome cameras were installed and integrated into various third party video systems at Changi Airport Terminals 1, 2 and 3. Public Address Systems from the Praesideo Series were also installed at Changi Airport Terminals 1 and 2. Changi Airport Budget Terminal required a complete integration of CCTV Video Systems with an Access Control System for normal and high-security restricted areas. Therefore, the Bosch Building Integration System (BIS) was recommended. The idea is that one solution that offers everything – combining different building management functions on one platform, and providing simple responses to difficult questions. BIS is modular, responding flexibly to the unique building management requirements of the end-user.

‘The Bosch Building Integration System allows us to efficiently monitor all areas and activities to immediately detect threats and emergencies.’
– Management at Changi Airport Group



Changi Airport Group

Additional Customer Benefit:

With Bosch Security Systems installed, there has been better coordination and synergy among the different airport agencies. A high level of security standard in all areas has also been maintained.

Not only are Bosch products flexible and reliable, they are easy to use and maintain. A standard 3 years warranty is also given, and the end-user can expect a fast response of after sales-service.

Solutions from Bosch Security Systems offer a comprehensive array of security products providing total security solution that could be customized according to end-user needs. The ease of installation and ability to harmonize all systems to keep the facility safe and secure has proved to be most beneficial.

Key Success Factors:

- Comprehensive system providing total security solution
- System reliability, flexibility, and ease of use
- Customizable to fit requirements of end user

Installed by:

Infocom & Security Systems Pte Ltd
www.infocomsec.com

NCS Communications Engineering Pte Ltd
www.ncs.com.sg

Smiths Detection (Asia Pacific) Pte Ltd
www.smithsdetection.com

Robert Bosch (SEA) Pte Ltd
11 Bishan Street 21
Singapore 573943
+65 6571 2534
www.boschsecurity.com.sg