case study

Sydney Airport goes digital

Sydney Airport sets new standards in cost effectiveness, flexibility and performance. In 2000, a record number of people used the facilities of Sydney Airport's (Kingsford Smith) international terminal, with some 45,000 international passengers processed in a single day during the Olympic period. With so many making use of the nation's premier gateway, this world class facility has been the focus of a comprehensive upgrade aimed at meeting the traffic needs of Sydney Airport well into the next century.

Honeywell

Networked Integrated CCTV Solution

The upgrade project, Sydney Airport 2000, has transformed the international terminal, enabling it to become one of the world's leading airport facilities. Improving total passenger throughput from 4560 per hour to more than 7000 per hour, ensuring that the terminal will continue to cope with Sydney's popularity as one of the world's most scenic and inviting tourist destinations.

TOTAL SECURITY

Shaped by Honeywell technology, Honeywell Digital Video Manager™ was the first digital video surveillance system to support integration with enterprise systems. Sydney Airport has fully integrated this leading edge CCTV solution with Honeywell Enterprise Buildings Integrator (EBI) which has been installed at the site since 1999 and is used as the integration platform for Sydney Airport's total security, access control and surveillance systems.

This key public site was the first in Australia to implement this locally developed, networked integrated Closed Circuit Television (CCTV) solution. "Honeywell Digital Video Manager enables us to have a complete picture of what is happening on the site, additionally, it is the only system we have seen that offers us true plug and play functionality," explains Russ Lewis, Chief Information Officer, Sydney Airport. "We have been able to untilise our existing CISCO ATM network in such a way to save on the installation and lifecycle costs of the project."

FULLY SCALABLE

The Sydney Airport security system employs in excess of 100 cameras to monitor areas such as check-in counters, carparks and general traffic areas. Camera information is digitized locally then communicated through all parts of the airport using an ATM Network. Digital Video Manager's scalable nature allows for cameras to be added and moved around the location with ease. Security Operators are able to view images and control cameras' PTZ functions from multiple locations, all at a simple point and click of a mouse, enabling them to have a full view of activity taking place within the airport and to take action as and when required.

SAVING VALUABLE TIME

With Honeywell Digital Video Manager, Operators can specify what types of recordings they want to capture and when. Recorded images can include not only the incident, but also what happened immediately before and after. Because the solution enables event activated, user-activated and scheduled recordings, Operators are able to record only the video they need, reducing the collection of redundant and irrelevant images.

Additionally, Operators can specify how many frames per second they wish to capture for each camera and for specific alarm events. "Honeywell DVM eliminates the need for rows of surveillance videos and saves hours of endless searching for the tape required," explains Lewis.

"We are able to specify how long images remain available on the video server, then write to formats such as DAT tapes and CDs for long-term archiving. The storage capacity is vastly improved".

Sydney Airport must be a place where the security of passengers and staff meets world's best practice standards and exceed public expectations. "Meeting and exceeding the high standards of security expected at the Airport is a constant challenge," says Lewis. "We must maintain leading edge technologies that deliver information that is easier to use and faster to obtain, constantly keeping ahead of the security requirements that ensure the physical safety of both humans and property – leveraging new technologies frees up valuable time to concentrate on our core business and ensuring the effectiveness of our security operations."

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