

SECURITY **TAKES FLIGHT**

On the upside of integrated airport security solutions.

Honeywell

SAFETY COMES FIRST. AND FAST

To improve flight information visibility and to enhance security levels, a key airport in the Asia Pacific region turned to Honeywell for a robust surveillance and video management solution. With almost 6.4 million travelers per year, the airport prioritized upgrading its surveillance system to provide enhanced passenger and staff safety. The project scope covered over three terminals, including car parks and vehicle traffic lanes – leading to one of the biggest installations of the Honeywell Digital Video Manager (DVM), worldwide.

THE NEEDS

- Seamless integration of existing analogue cameras with DVM.
- A dual recording of the data center and data recovery site, but with different, simultaneous resolutions and frame rates.
- On-time project delivery within a tight timeline.
- Professional service setup and maintenance.
- Ensure a safe environment for passengers and staff.

THE SOLUTION

The Honeywell team worked thoroughly to ensure camera integration and deployed two different DVM systems, at different data centers – by splitting the system, the risk of video loss was significantly reduced. DVM R600's Same Source Streaming technology enabled redundant camera configuration at both data centers, further reducing the loss of video access.

Within a tight deadline, the Honeywell team met project expectations and helped provide a safer environment for airport passengers and staff. These results were achieved through:

- **Setting up 1,750 2MP cameras with a recording storage of 30 days.**
- **Simultaneous recordings on two separate data and recovery centers.**
- **Delivering over 7,000 R600 DVM licenses.**
- **Implementing the Flight Information Display System (FIDS)**
- **Integrating 3,500 cameras distributed over three terminals, into a single operational platform.**



EXPAND. INTEGRATE. SECURE.

One airport from a high-growth region decided to expand its security systems into one fully integrated solution. The project goals revolved around integration of two separate, already existing best-in-class security systems, achieving a more efficient way to manage incidents, and better access control and video surveillance solutions. With this scope in mind, airport officials turned to the Honeywell team who had been maintaining, upgrading, and expanding systems across the airport for two decades.

THE NEEDS

- Improving the overall security and safety of passengers.
- Implementing a fully integrated security system.
- Integrating the two already installed, separate systems for access control and video surveillance.
- A more accurate response mechanism and an overall reduction in incident response times.

THE SOLUTION

As the Honeywell team was familiar with the third-party video surveillance system, the integration process was seamless. The access controls system provided by Honeywell across various airport areas secured over one thousand doors, controlled and monitored – synchronizing access point triggers with CCTV operations to speed up incident response times. Airport officials were very satisfied with Honeywell's integration capabilities and the implementation of all security solutions. The above-mentioned results were achieved through:

- Deploying Honeywell Enterprise Building Integrator 500 (EBI) that integrates all triggers and alarms, and improves incident response time.
- Implementing Honeywell Tema-Voyager™ Multi and Temaline TS2 controllers, and over 3,000 card readers – including a combination of card only, card plus PIN, and card plus biometric readers.
- Installing a security management integration system that integrates with main systems such as security access control, video surveillance, fire alarm, elevator management, baggage handling, and special applications such as boarding and deplaning route management, integration with the Pass Management system and the Information Broker system.
- Delivering an integrated approach blueprint to be used in other airports across the country.
- Enhancing the overall airport security for staff and passengers.



ACCESS CONTROL THAT KEEPS YOU IN THE KNOW.

With safety improvements in mind, the officials of a large international airport decided to focus their attention on enhancing terminal access control and visibility. It was observed that the previous access card system had vulnerabilities that permitted people to enter restricted areas, without going through multiple levels of authentication.

For over 10 years, Honeywell has maintained, upgraded, and expanded fully integrated system based on the Enterprise Buildings Integrator (EBI) across the country's airports – including security, access, video, CCTV, Radar Video Surveillance, and more. In this light, officials entrusted the Honeywell team to deliver a modern access control and security solution, and to integrate multiple, existing building systems, including over 1,000 third-party cameras.

THE NEEDS

- Secure the full airport site that covers over 60 sq. km.
- Enhanced control and visibility over terminal security.
- Ensure a safe and secure environment for all airport users.
- A more effective process for employee authentication and access to different airport areas.

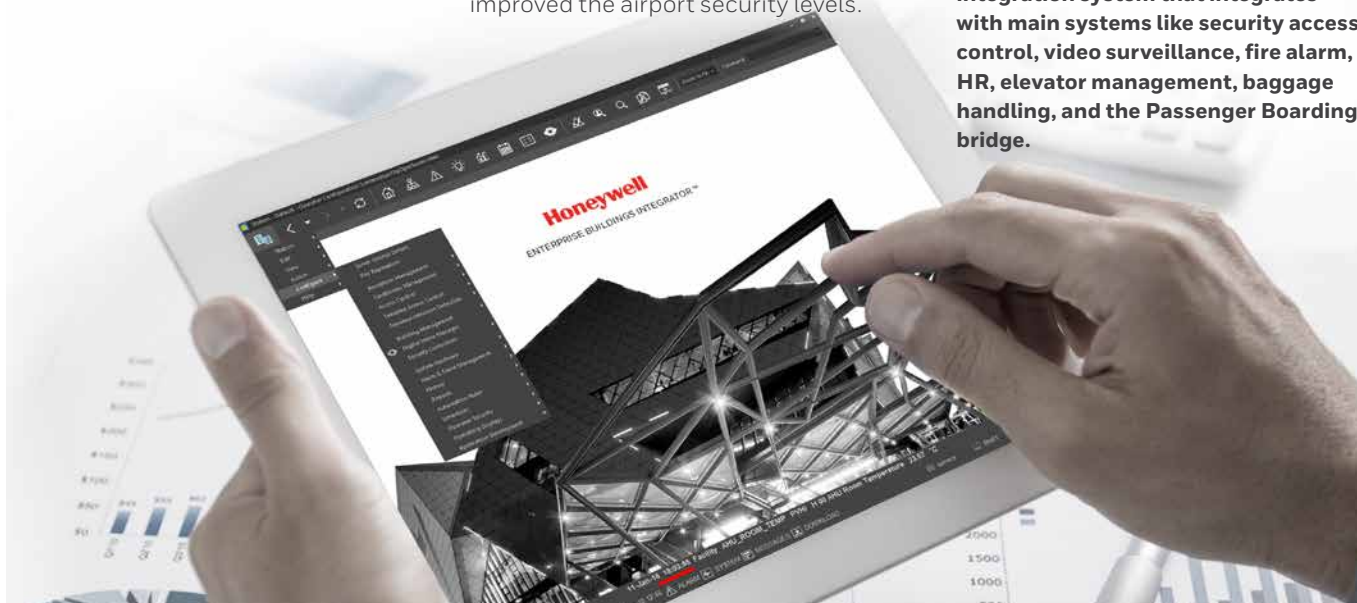
THE SOLUTION

The Honeywell team was faced with one of the biggest airport premises in the region, but seamlessly implemented a strong perimeter security solution – successfully improving overall access control and visibility within terminals.

By deploying Honeywell Digital Video Manager (DVM), the system automatically pulls the relevant CCTV feeds when an access alarm is triggered – enabling a more efficient response to potential incidents. The Honeywell Enterprise Building Integrator (EBI) provided a two-step authentication process made of card readers and finger print scanners that improved the airport security levels.

The above-mentioned results were achieved through:

- **Implementing DVM for 24/7, real-time surveillance and improved response time to potential incidents.**
- **Setting up over 50 Honeywell Temaline card readers with finger print scanners across the entire airport for enhanced security access.**
- **Seamless integration of Honeywell DVM with the IPCCTV system through EBI R500.**
- **Enforcing the overall airport access and security for staff and passengers.**
- **Third-party integration of over 1,000 indoor and outdoor cameras.**
- **Enhanced perimeter security through DVM integration and Honeywell Radar Video Surveillance (RVS).**
- **Installing a security management integration system that integrates with main systems like security access control, video surveillance, fire alarm, HR, elevator management, baggage handling, and the Passenger Boarding bridge.**



SECURITY BUILT FROM THE GROUND UP.

To provide the highest level of security for its staff and visitors, businesses expand and upgrade their buildings on a regular basis. The same rule applies to a large-scale international airport that choose Honeywell, its long-time trusted partner, to ensure a seamless security system expansion that includes the integration of its two separate, pre-existing systems. Airport officials prioritized the improvement of the facility's video surveillance and access control technologies – thus better preventing potential security issues and enhancing their incident response time.

THE NEEDS

- A scalable, future-proof security solution that matches the airport expansion plans.
- Robust incident management and an accurate response mechanism to reduce incident response times.
- Improving the staff and passenger overall security and safety.
- Integrating the two already installed, separate systems with the modern access control and video surveillance solutions.
- A tailor-made intrusion detection system, with a key focus on the safety of children.

THE SOLUTION

Honeywell was also awarded the service contract, but it was because of our long record of maintaining, upgrading, and expanding the airport's security system, that our team could provide a tailored intrusion detection system, specific to the customer needs. Through ongoing software enhancements, deep airport knowledge, and solution expertise, Honeywell delivered an innovative and unique child intrusion detection system. These results were achieved through:

- **Reducing staff training time and costs by setting up a familiar, easy-to-use security system.**

- **Implementing the Tema-Voyager™ Compact for Child Intrusion detection system at the check-in areas.**
- **Setting up the Tema-Voyager™ Compact for both access control and monitored doors.**
- **Deploying the Enterprise Building Integrator 500 (EBI) system that integrates all triggers and alarms, and improves incident response time.**
- **Implementing the Temaline TS2 controllers and over 1,000 card readers.**
- **Installing a security management integration system that integrates with main systems like security access control, video surveillance, fire alarm, elevator management, and more.**
- **Enhancing the overall airport security for staff and passengers.**

Tema-Voyager™ is a trademark of Honeywell International Inc

