

# World's Newest Airport Utilizes Leading Edge IP-based Security Solution

**Bangkok International Utilizes Leading Edge IP-based Security Solution. Bangkok's Suvarnabhumi Airport, which means "golden land" in Thai, formally opened at the end of September after many years of planning and construction. Thailand hopes the new \$4 billion airport, designed to handle 45 million passengers and three million tons of cargo a year, will surpass rivals Singapore and Malaysia as the region's most important aviation hub.**

Its seven-story terminal is one of the largest in the world, covering an area equal to 100 football fields. The airport was designed to accommodate an increase in annual capacity to 120 million passengers.

Not only was Suvarnabhumi (su-wanna-poom) planned for maximum flexibility and scalability in accommodating passenger growth, the airport was designed to incorporate the most technologically advanced systems, including security systems. From the outset, airport management sought security technology that was 100% IP-based and would never need replacing—only upgrading and expanding.

## **DVTel iSOC as Command and Control**

After more than four years of discussion and negotiation, and in close cooperation with the project integrator Semple Cochrane (Asia), Bangkok Airport management selected the DVTel intelligent Security Operations Center, as the central command and control system for the entire airport security operation.



The DVTel iSOC platform, with the Latitude Network Video Management System (NVMS) at its core, provides IP network video surveillance and serves as the management software for what will eventually number thousands of surveillance cameras located throughout the airport's passenger terminals, concourse buildings, parking areas, baggage conveyor areas, baggage inspection rooms, and duty-free shopping areas.

Eli Gorovici, DVTel President and CEO, said, "From day one, the Thai Airport Authority was looking for a

platform to deliver video, voice and data information, and a high level of system and data integration. The iSOC offers a tremendous flexibility, performance, and future resistance, while also providing a single system to view and control the entire security function. Add to this our full line of high-performance cameras, and the Thai authorities have a very robust, comprehensive solution."

## **Security and Improved Operations Efficiency**

As the command and control center, the iSOC accesses and correlates data from 16 different integrated systems including access control, flight and gate information, fire alarms, building automation, HVAC, elevators, and other data sources. Video is available at command centers and on designated desktops, but also via wireless to official's hand-held devices anywhere in the airport complex.

Airport management was committed to achieving the highest level of security, but they also saw the potential to use the integration of multiple systems through the iSOC to achieve improved operating efficiencies. In a nearly fully-automated process, the iSOC accesses flight arrival and departure information to turn on and off lighting, HVAC and other systems at the appropriate gate area. When a plane has left the gate, cameras sweep the gate area to confirm there are no passengers and personnel, and the iSOC begins shutting down all systems until such time as the gate is needed for a new flight.

## **Airport's Duty-free Operation Offers Integrated Surveillance**

Upon viewing the iSOC in action, management from the King Power Duty-free operation chose the DVTel solution for their facilities, which will eventually number 180 individual stores. King Power Duty-free will comprise 43,000 square feet (4,000 square meters) of luxury duty-free shopping, located throughout the airport.

King Power will maintain a central surveillance operation and each of their retail customers will also be able to manage surveillance for their own store or stores. This "layered management" approach ensures excellent coverage and response and redundant monitoring. In addition to surveillance, the iSOC will be integrated with a POS system in



which transaction data (credit card or cash) and boarding pass information will be time-stamped onto the appropriate video. King Power expects such security and data management capabilities will provide their customers better service and individual shop owners will, in turn, have better protection against theft and improved inventory control.

## **Unlimited Power to Expand and Manage**

Eli Gorovici again, "The level of system coverage and integration of this end-to-end IP system is a testament to the vision of the airport authority management. Their commitment to the most advanced technology is also King Power's gain since the best system and one they can integrate fully with was literally right outside their doors. In the future, I see an entire airport complex unified by the DVTel iSOC, a system with unlimited power to manage, integrate and expand."

Now, that the airport has opened for business, the airport authorities will turn their attention to how the iSOC-based system can expand and further improve security and overall efficiency. Discussions are on-going to expand the number of cameras; add various video analytics capabilities, including DVTel SceneTracker video stitching software; and integrate entire additional operations into this single command and control management system

## **See DVTel at IIPSEC 2007 stand 043**

The DVTel team will be please to demonstrate the latest iSOC and SceneTracker products on stand 043 - you can't miss us.