

JOS Malaysia has warehouse security covered with Axis network cameras.

Live viewing and off-site monitoring boost surveillance at leading IT provider of integrated information technology solutions and services.



Organization:
Jardine OneSolution
(JOS)

Location:
Malaysia

Application:
Warehouse security

Mission

The move to a massive new warehouse solved a space problem but created a security one for Jardine OneSolution (2001) Sdn Bhd (JOS). As part of the renowned Asian conglomerate, the Jardine Matheson Group, JOS has been a leading force in the IT industry for more than 50 years, offering services such as Procurement and Deployment Services, Technical Services and Support and System Integration to Outsourcing and Managed Services.

While the new warehouse gave JOS more room, a better way to monitor and secure warehouse safety was needed. The analog surveillance system from the prior warehouse would not provide the quality, scope, efficient storage or remote viewing JOS needed at the new facility.

Solution

JOS upgraded its security surveillance system to an IP-based solution from Axis Communications, and installed 25 Axis network cameras throughout its facilities in areas

such as at the main entrance and exit points, reception, the general warehousing area, safe, and engineers' rooms. JOS administered the cameras from office headquarters with AXIS Camera Station, and AXIS Camera Explorer enabled remote viewing from a handheld device.

Result

The Axis solution took JOS's monitoring capabilities to a new level. It provided a complete picture of the warehouse, including the ability to remotely monitor the warehouse via the manager's handheld PDA. Motion detection greatly improved JOS's after business hours monitoring and response capabilities. The ability to use their existing network infrastructure and move from tape saved JOS time, money, space and storage.

"The Axis network camera system has given us ease of mind as we are using the market leading technology in network surveillance. The quality of image recording is much superior compared to our previous system running and we now have the flexibility to view whenever required – even when the warehouse manager is not physically on-site."

JOS's Warehouse Manager.

Flexibility-plus: Off-site viewing boosts security

There was one thing JOS was happy to leave behind when it moved to a new, 31,500 square foot warehouse – its analog-based surveillance system. JOS seized the move as an opportunity to upgrade its security system to a more flexible solution for monitoring the facility and the valuable IT inventory.

The old surveillance system – analog cameras and DVR (digital video recorder) over coaxial cable – presented problems, including coverage issues and an inability to expand due to cabling limitations. Time-lapse recording was not scalable, and viewing was available only from the main CCTV control room.

The new system gives the warehouse manager a live view of the entire space, and the ability to remotely view images from the 25 Axis network cameras on a handheld PDA even when on the move or off-site.

Improved strategic operations monitoring

JOS used the Axis solution to improve monitoring by implementing strategic motion detection-based recording for after business hours, with e-mail alerts and captured images sent to office headquarters.

If an alarm is triggered, there is no need for physical presence because remote viewing is possible. JOS can use the pan/tilt/zoom (PTZ) function to 'view' what is happening before anyone is sent to check the site.

JOS also required off-site storage of recorded images for security reasons. The Axis system's use of IP infrastructure enabled it to implement archiving and recording at two separate locations. Recordings for one month are stored on a local hard disk drive, while a separate NAS (Network Attached Storage) product holds a second month's data. Backup copies of images and recordings are sent and stored off-site for greater security.

With more than 30 truck deliveries every day, the Axis IP-Surveillance system is a valuable theft prevention measure as well, giving JOS a way to monitor and verify that each truck is unloaded completely. Recorded images can easily be reviewed to resolve any disputes with customers, transporters or suppliers.

Time, space and cost savings

The Axis network video solution, with its ability to use the existing network infrastructure, proved a major benefit to JOS, giving them a greater return on investment in infrastructure and streamlining system implementation.

JOS used its existing TCP/IP LAN for general camera set-up within the warehouse premises. Its broadband line provided the Internet connection for viewing the warehouse from Head Office, while a wireless broadband link to the warehouse manager's handheld PDA device enabled remote viewing both inside and outside the warehouse premises.

The shift to Axis network cameras saves JOS time because there is no need to change or store tapes, and higher quality recorded images retain quality over time.

"The new system gives us greatly expanded monitoring and security, especially when it gets triggered at midnight or on weekends. You can still monitor what is happening even when you are out of the warehouse."

