Case Study

Tan Hiep Phat Beverage Group

Tan Hiep Phat Beverage Group implements largest single-site security system in Vietnam with Genetec Security unified platform

Vietnamese beverage giant installs over 1200 cameras with Omnicast video surveillance and AutoVu license plate recognition for the most progressive security surveillance in local beverage industry

Business challenge

Located just outside Ho Chi Minh City, in Binh Duong, Tan Hiep Phat Beverage Group (THP) is a leading beverage corporation that develops, manufactures and retails an assortment of bottled drinks to Vietnam and other Asian countries. Superseding the regional sales of global giants such as Coca-Cola and Pepsi, THP houses 6,000 square meters of office space, 7,500 square meters of factory space, and 46,000 square meters of warehouse space in their state-of-the-art headquarters.

With over 4,000 employees and billions of Vietnamese Dong of inventory leaving their facility daily, THP focuses on delivering quality products in a safe environment. While they had an analog video surveillance system in place, properly handling investigations was difficult and time consuming. The grainy images from DVR tapes and interrupted reliability of the system made securing their facilities even more challenging.

Instead, THP wanted to find a proven enterprise-class and feature-rich IP-based security system that would speed up investigations, offer easy access to managers overseeing operations, and cut costs by using existing hardware. From an IT standpoint, flexibility in network configuration and tools that would leverage their existing network infrastructure were also important.

After considering many solutions, THP relied on the expertise of Mr. Nguyen Quang Dinh, Chairman at Orion New Tech and Certified Genetec Integrator, to choose Genetec Security Center. According to Nguyen, "While the unified security platform cost-effectively offered all the functionality and flexibility they needed, it also allowed for centralized monitoring of both video surveillance and license plate recognition systems under a single, easy-to-use and robust platform."

Largest video system in Vietnam unified with LPR

Representing the greatest number of surveillance cameras for a single security project in Vietnam's history, Omnicast, the video surveillance system of Security Center, is managing just over 1200 cameras.

Summary

Client name: Tan Hiep Phat Beverage Group

Organization size: 4,000 employees

Industry: Manufacturing

Location: Binh Duong, Vietnam

Products: Security Center, Omnicast, AutoVu

Partners: Orion New Tech

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Thanks to flexible network configuration, Security Center allows THP to maximize their 11 server infrastructure, with the ability to host more than 100 cameras per server. THP is now able to minimize hardware investments, and curb the associated costs of powering, cooling and maintaining the equipment at such a massive site. Similarly, by using the bandwidth of each network segment only once, the Multicast capability in Security Center allows many users in various locations to view a video feed simultaneously without overcrowding the network or overloading the servers to redirect the stream, which is often a limitation of other video systems in the market.

Genetec™

In terms of storage, there is room for 500TB of archiving, which allows THP to retain video recordings for 30 days. For added reliability, THP has Omnicast Failover Archiving and Directory setup to ensure uninterrupted live monitoring and access to critical information, even in case of hardware failure or network interruptions.

Outside their headquarters, they reinforce their perimeter security with eight AutoVu license plate recognition (LPR) cameras. The AutoVu LPR cameras track the comings and goings of delivery trucks, capturing license plate reads as they pass by the cameras' field of view at the weighing stations. Alongside the license plate reads are date and time stamps, and a colour image of the vehicle. This data is sent back to the Security Center platform and unified with Omnicast video surveillance. In the event that a theft is reported, THP's security team can easily pull up video tied to the LPR reads so they can see exactly who was driving the truck as it entered and exited the facility.

A feature-rich platform engineered to boost efficiency

With two 12-hour shifts of security operators manning the system daily, the ease of system usability has really helped them reduce response time to incidents and quickly find information during investigations. THP offers Mobile capabilities to floor managers who use their phones to check up on operations from anywhere in their headquarters. Orion has also helped THP set permission levels in Security Center, so certain tasks and video are restricted only to those who have authorized access.

Visual tracking is another feature that THP operators have implemented. Instead of having to remember camera names or IDs in a list of 1200, they are now easily able to track a moving target in the factory, jumping from camera to camera with a single click

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of a button directly from the video tile. And with the support for the bidirectional audio functionality of the cameras, operators in the control room can efficiently communicate with floor managers, without having to walk through the facility.

Setting the benchmark for the future

Concerning their future plans, THP is looking at possibly expanding their surveillance system to three other remote factories throughout Vietnam, and tie them all back to the central headquarters in Binh Duong. This will all be possible thanks to the Genetec Federation feature which allows THP to manage all their Security Center systems as one single virtual system, while still maintaining independence for local security teams.

Furthermore, knowing Security Center is open and highly-customizable, THP is also interested in integrating other third-party systems into the unified platform like access control, video analytics and possibly more. This will help to further simplify their operations by automating tasks, handling alarms, and managing system components across all security and business systems from a single user interface.

Until then, THP's forward-thinking approach to security, technology and operations has set its massive Binh Duong facility as the benchmark to other local offices and manufacturing plants in the region.