CASE STUDY:

GSA MINIMISES DISRUPTION TO MULTI-SITE MEAT PROCESSING PLANT DURING SECURITY SYSTEM REFURBISHMENT

ISSUE:

A Victorian meat processor and wholesaler who has been in operation throughout Victoria for over forty years, with facilities in both regional Victoria and Melbourne, required an overhaul and expansion of their existing security solution. A new system would be required to increase visibility and assist in monitoring staff and stock safety, including livestock.

The solution would need to support some pre-existing security cameras being retained during the network refurbishment, as well as the newly implemented cameras which sought to replace old hardware and expand the reach of the system.

After the evaluation and re-design of the system, the regional location would utilise a network of 30 cameras, while the Melbourne-based facility would now utilise a total of 40 cameras.

With the end user being familiar with GSA and the integrator, the parties worked to design a solution that would meet the customer's needs on site, now and as they continued to grow.

SOLUTION:

The solution implemented addressed key areas including:

- **STAFF SAFETY:** with increased visibility, staff movement and welfare throughout the facility could be more closely monitored. This assists in occupational health and safety reviews, ensuring unsafe behaviours can be quickly identified and rectified.

- **ANIMAL WELFARE:** The network of cameras throughout the meat processing facility ensures that livestock are closely monitored for health and safety. Any issues regarding animal welfare can be identified and quickly rectified.

- **STOCK MOVEMENT:** Once processed, the meat is prepared for distribution. The updated network now provides greater transparency and tracks stock movement throughout the facility, supporting loss prevention.

EQUIPMENT:

Dahua's 5442 series of ultra-low light cameras including turrets, domes and bullets: This range of Dahua cameras work in ultra-low light settings. The ability to change between form factors also ensures that the integrator could select the right camera for each location throughout the complex facility and could support peak performance in changing conditions.

This camera range's ability to work in a low light environment ensures minimal disruption to the surrounding areas which did not need to adjust their lighting - an important feature for the system as lighting conditions vary throughout the processing facility.

WISENET WAVE LICENSES: Enabling all camera feeds and locations to be seamlessly viewed in a single customisable screen, this light-weight software is powerful enough to manage the 30 regional and 40 metro camera feeds respectively, without being processor intensive. Being user-friendly and easy to operate for the business owners and their staff, WAVE met a core requirement of the system's design and usability requirements.

Being simple to operate also ensures that non-technical users are able to easily search and retrieve footage, as required.

With WAVE's ability to integrate meta data from cameras and accept video feeds from existing hardware across both facilities, the business was able to continue to utilise some older hardware on site as WAVE does not discriminate based on brand.

WISENET WAVE

GSASYSTEMS.COM.AU

GSA SYSTEMS

ADDITIONAL BENEFITS:

"GSA's familiarity with the older technology already on site meant we were able to understand what elements of the existing system could immediately be improved on or better utilised and what really needed to be replaced," said Sam Yatim, National Business Development Manager with GSA and Project Lead.

"We recommended a range of AI equipped cameras which could also help to improve operations on site with functionality like people counting and soon to be introduced, livestock counting. These features add an additional layer of operational safeguarding and accountability for the facility operators," he continued.

The use of AI-equipped Dahua cameras, which is actively supported by WAVE, enhances search and playback features as users are able to conduct attribute-related searching.

ADDITIONAL SERVICES:

In addition to the supply of equipment, GSA provided pre-configuration services which streamlined the refurbishment and expansion of the network on site.

GSA's technical assistance pre-programing, quality checking, IP-ing and naming cameras, saved the integrator at least a day's work on site. This not only saved the integrator added labour costs but also reduced disruption to the facility's operations - thus saving the end user by minimising facility downtime.

While the system operates within the business' network, GSA's preparation of equipment off site and the provision of detailed technical documents to support the install, alongside pre-commissioning services, enabled the integrator to 'plug and play' equipment upon install, saving them significant time on site.

OUTCOME:

The installation on site was minimally disruptive to operations as the majority of pre-configuration was completed off site by GSA.

With the system now fully functional, the end user has been extremely positive about the usability of WAVE and the ease of searching for events. The business is now actively evaluating the possibility and benefits of livestock counting functionality through camera-based AI functions. Both locations also enjoy greater transparency of staff and stock movement throughout the facility, further supporting their loss-prevention strategies.

GSASYSTEMS.COM.AU

GSA SYSTEMS