AVIGILON™
a Motorola Solutions Company

Independent Express Cargo

INDUSTRY Transportation

LOCATION Dublin, Ireland

Avigilon Solutions Implemented

Avigilon Control Center™ Software
Allows quick and easy review of live or recorded video with a simplified screen layout, intuitive controls and self-learning video analytics. Also features Avigilon Appearance Search technology to help you quickly find a person or vehicle of interest.

Unusual Motion Detection Technology
Uses advanced AI to reveal events that could otherwise go unnoticed. UMD technology continuously learns what typical activity in a scene looks like and flags unusual motion.

Self-Learning Video Analytics
Recognize and detect the movements of people and vehicles, notifying operators of events that may need further investigation.

H4 Pro Camera Line
Covers vast areas while still delivering exceptional image detail to zoom in, helping to identify and quickly respond to potential security events.

H4 Multisensor Camera Line
Provides flexible scene coverage with one license and wire pull to save installation time and cost.

SUCCESS STORY | MAY 2019

Security Solutions that Go the Distance

Independent Express Cargo Ltd. is one of Ireland's largest pallet delivery operators, serving as a national transport network hub and full third-party logistics supplier with 25 depots across the country, 1,000 active clients and a turnover of €35 million annually.

As 4,000 pallets are moved through its Dublin site daily, security and the ability to track between 8,000–14,000 pallets of storage at any given time for its clients is essential for the integrity of its services. Independent Express Cargo Ltd. sought an upgraded security system that could help search for and identify pallets that were reported missing and trace them throughout the site to find out where they went and what vehicle they were loaded onto. Additionally, as over 300 vehicles visit the site daily, it was important for its security operators to be able to monitor access to the site while also obtaining clear video evidence of any accidents, thefts or incidents of damage.

Delivering Excellence in Security

To improve security and surveillance throughout its Dublin site, which consists of 180,000 sq. ft. of warehouses on a nine acre site, Independent Express Cargo Ltd. worked with integrator Usee.ie to install a complete Avigilon system. The new system features Avigilon Control Center (ACC) video management software, which provides security operators with a more efficient way to manage video from a central location. ACC™ software also offers advanced artificial intelligence (AI) and video analytic capabilities, including Avigilon Appearance Search™ and Unusual Motion Detection (UMD) technologies. Additionally, a suite of Avigilon cameras was deployed to capture detailed video throughout the site, with models including the H4A Bullet with Avigilon self-learning video analytics, H4 Pro and the H4 Multisensor.

Beyond capturing clear video for monitoring and investigative purposes, the new system offers several significant capabilities to Independent Express Cargo Ltd.'s transport managers, assisting them from the time an event occurs until after it is resolved. First, Avigilon self-learning video analytics and UMD technology help detect potentially critical events and issue an alert within the ACC dashboard, where the officers can then verify event alarms. Then, if a person or vehicle of interest needs to be located onsite, the officers can deploy Appearance Search technology to quickly find their current whereabouts or trace their route during an investigation.

"This project shows the advanced capabilities and flexibility that a complete Avigilon security solution provides," said Bernard Pender, chief executive officer of Usee.ie. **"Choosing Avigilon helps us meet our client's goal of deploying a highly intelligent video security system to improve their business operations."**

"Avigilon's AI-powered security solutions have provided our team with new capabilities that allow them to more efficiently and effectively detect, verify and act on events," said Owen Cooke, Director of Independent Express Cargo Ltd. **"The biggest advantages of the system have been its advanced search capabilities and ability to flag unusual events that may have otherwise been missed — both have been key to improving the security at our site."**

H4 Multisensor Camera Line

Complete Security Solutions for Every Twist and Turn

When Independent Express Cargo Ltd. chose Avigilon, it was looking for a best-in-class security solution that would allow its transport managers to effectively monitor its site, monitor access to and from the site, and search for people and vehicles of interest across the site. Not only did it achieve those goals, it gained improvements in operational efficiencies as well.

Since the system's deployment, transport managers are more easily able to detect people and vehicles in unusual areas, which is not only a security concern but sometimes the reason for a misplaced pallet. By presenting transport managers with this type of information, Avigilon's self-learning video analytics do the heavy lifting by providing alerts for further verification, helping to enable faster response when needed. Then, if the person or vehicle who was last seen with a missing pallet needs to be traced or located throughout the site, the transport managers can use Appearance Search technology to quickly locate them.

If a vehicle needs to be further investigated, transport managers also have the ability to zoom in with excellent detail to read the license plate and verify the vehicle quickly from a central location. The transport manager monitoring the video can then use their Motorola radio to communicate with roaming officers if the vehicle needs to be intercepted on the ground, providing a complete solution from the time an incident is identified until after it is resolved.

"Our Avigilon system has helped dramatically expedite our detection and verification of events that can not only impact our business but the security of our site," said Mr. Cooke. **"Armed with that information, our transport managers can initiate an informed and proactive response, which has yielded great improvements for us so far."**

Results that Matter

By implementing an end-to-end Avigilon security system that leverages advanced artificial intelligence technologies, Independent Express Cargo Ltd. has been able to boost operational efficiencies while improving the security of its site, assets and resources. Transport managers are able to spend more time on verification and response rather than merely monitoring live video, which has helped minimize the loss of assets and kept business running smoothly.

In addition, the self-learning video analytics have been so effective they've replaced the legacy door and window security systems that Independent Express Cargo Ltd. previously used. Now, the system's video analytics and connection to Usee.ie's remote CCTV monitoring station help ensure any intrusion is quickly detected and proactively responded to. ■

Next Steps

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