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Air cargo operator boosts security and operations with future-proof solution

Avigilon Unity & Aeropuertos Argentina Cargas case study

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Located in Argentina, Aeropuertos Argentina Cargas (AAC) provides cargo storage and logistics services across six airports, including Ezeiza, Córdoba, Mendoza, Mar del Plata, Jorge Newbery and Tucumán.

With such a vast operation, AAC must ensure that cargo is managed and handled correctly, protected from theft and other threats and traceable throughout processing.

To achieve this, it requires a reliable video security system that delivers the transparency, scalability and integration capabilities it seeks. With the help of its security integrator, AAC began assessing the challenges it needed to overcome.

Customer profile

Aeropuertos Argentina Cargas, Argentina

Industry

Logistics, Airport

Solutions/Technology

⌨ Avigilon Unity Video VMS

📹 Avigilon dome cameras

Avigilon bullet cameras

Avigilon fisheye cameras

Avigilon PTZ cameras

🖥 AI-powered video analytics

Benefits

- The Avigilon cameras have helped AAC enhance coverage across its cargo terminals by eliminating blind spots, enabling operators to focus on operational activities and threats.

- With the Unity Video solution, AAC can track cargo throughout processing, enabling the organization to comply with industry standards and regulations.

- Unity Video enables AAC to scale its security operations and seamlessly integrates with wider security systems.

Challenges

Legacy analog system

AAC's analog video security system hindered its teams from efficiently overseeing cargo terminal operations and security. Compliance with industry video retention regulations was also a concern.

To address this and meet the strategic goal of strengthening security at its largest cargo terminal at Ezeiza, AAC needed to replace its legacy video security system with an innovative solution that would help solve ongoing security struggles.

Lack of cargo traceability

It's vital to AAC's overall operations that goods are traceable. Without it, its ability to understand what occurred during each operation would be limited.

In the event of an incident or complaint, conducting investigations could be a challenge. Should legal cases or disputes arise, AAC must provide evidentiary footage of what occurred and who was involved to facilitate a swift conclusion to investigations.

As a result, AAC required a video security solution that would reliably provide traceability of all air cargo at its terminals. This would help reduce insurance premiums, as traceability and compliance with regulations would be met, and help prevent litigation cases.

Inflexible system

AAC required a more modern video security solution with a robust feature set to address current and future security needs, and that could scale easily to accommodate growth. Its legacy system lacked these capabilities, preventing the organization from evolving toward more efficient and intelligent technology.

The organization also needs a system that enables future integration with other security systems, such as access control and smart sensors.

> " The experience with Motorola Solutions' Avigilon has been very positive. The implementation was orderly and without interruptions, making the migration process smooth and incident-free.
>
> – Alejandro González, Information Technology Manager, Cargo Terminal, Aeropuertos Argentina
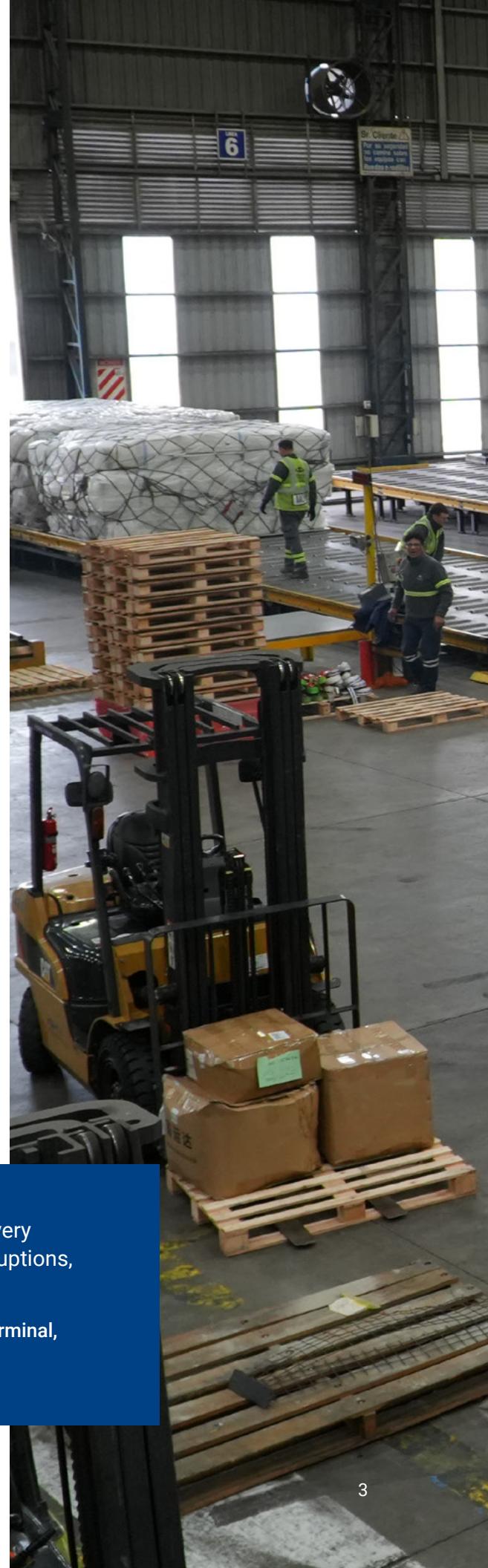
Solutions

Avigilon Unity

Aeropuertos Argentina Cargas evaluated several video security platforms. After successful testing, they ultimately selected the Avigilon Unity on-premise video security suite from Motorola Solutions. Unity is a fully integrated and scalable physical security suite that includes cameras, video management software (VMS), AI video analytics, video infrastructure, access control and more.

During testing, AAC was able to efficiently track cargo across its terminals using the Unity Video VMS (formerly Avigilon Control Center) and the Avigilon fisheye cameras. The Unity system gave them the traceability needed to manage operations.

Solutions implemented by AAC include:

- Avigilon Unity Video VMS
- Dome cameras
- Bullet cameras
- Fisheye cameras
- PTZ cameras

Across their six cargo terminals, 405 Avigilon security cameras were installed. The range of cameras enhances the security and operations teams' ability to perform their duties by providing clear video, comprehensive coverage and AI-powered video analytics.

Alongside the cameras, AAC uses the Unity Video VMS. This software is designed to work with Avigilon cameras, enhancing situational awareness, sharing real-time data and delivering automatic alerts through an intuitive interface. The organization utilizes the software's Media Gateway and Virtual Matrix features to enable secure remote access and efficient video management from remote client terminals.

The Unity Video VMS and security cameras are embedded with AI video analytics, including Unusual Activity Detection, to help proactively flag atypical activity on site.

> " What we value most about Avigilon is the reliability of the system. We have never had issues due to camera failures, and the information is completely encrypted and protected against tampering, which guarantees its judicial validity.
>
> – Alejandro González, Information Technology Manager, Cargo Terminal, Aeropuertos Argentina

The benefits

Comprehensive security coverage

Security teams significantly increased coverage and situational awareness across their cargo terminal with the Avigilon camera deployment. The fisheye cameras provide reliable coverage and eliminate blind spots, enabling operators to focus on operational activities and threats without requiring additional staff.

Operators are now alerted to potential safety and security threats in real time. Avigilon's AI-powered video analytics automatically detect and alert teams to threats and abnormal events on the Unity Video VMS. As a result, security teams can proactively mitigate risks, help prevent incidents from escalating and search for video quickly for post-event investigations.

In one incident where theft was reported at a cargo terminal, AAC was able to use the Unity Video solution to show that the event did not occur within the premises.

Complete cargo traceability

The increased coverage of its terminals has also helped AAC achieve complete cargo traceability. Now, the operations team can track cargo throughout processing on the Unity Video VMS, enabling the organization to comply with industry standards and regulations.

As a result, AAC can efficiently support judicial and customs requests for video evidence and disputes with insurance companies are also resolved quickly, helping avoid costly litigation.

Beyond video evidence, the Unity Video solution supports the team in providing activity logs and user reports, helping to protect against data tampering, lending to greater peace of mind and support in the face of audits or judicial requests.

Future-proof solution

The Unity Video solution enables the organization to scale its security operations without requiring costly investment in numerous storage systems.

The Unity open platform also seamlessly integrates with wider security systems and software, enabling security teams to connect the Unity Video VMS with technologies such as access control and smart sensors for enhanced situational awareness and efficient security operations.

This enables AAC to automate security workflows and reduce the demand placed on video security operators to perform multiple tasks at once and capture all events.
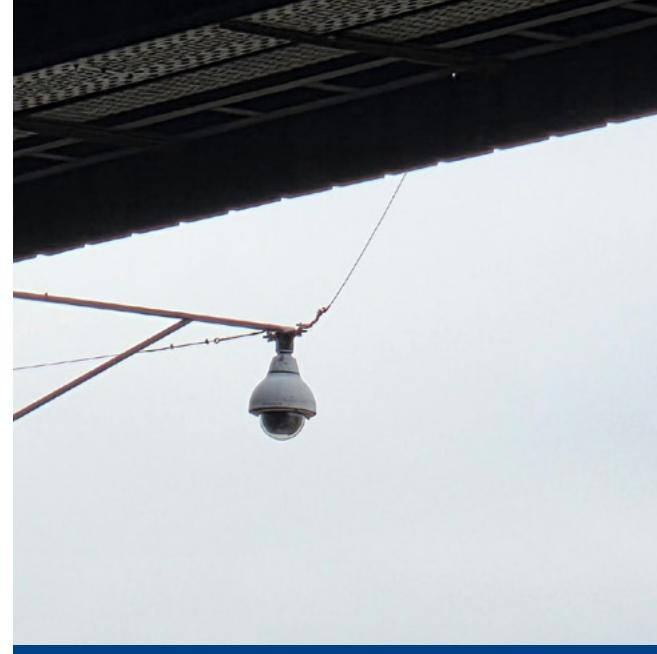
> " One of the key reasons Avigilon was chosen is because of its strong integration capabilities. The Unity platform can connect with third-party systems, extract data and consolidate events, providing a solid foundation for scalability.
>
> – Glen Evans, Security Integrator
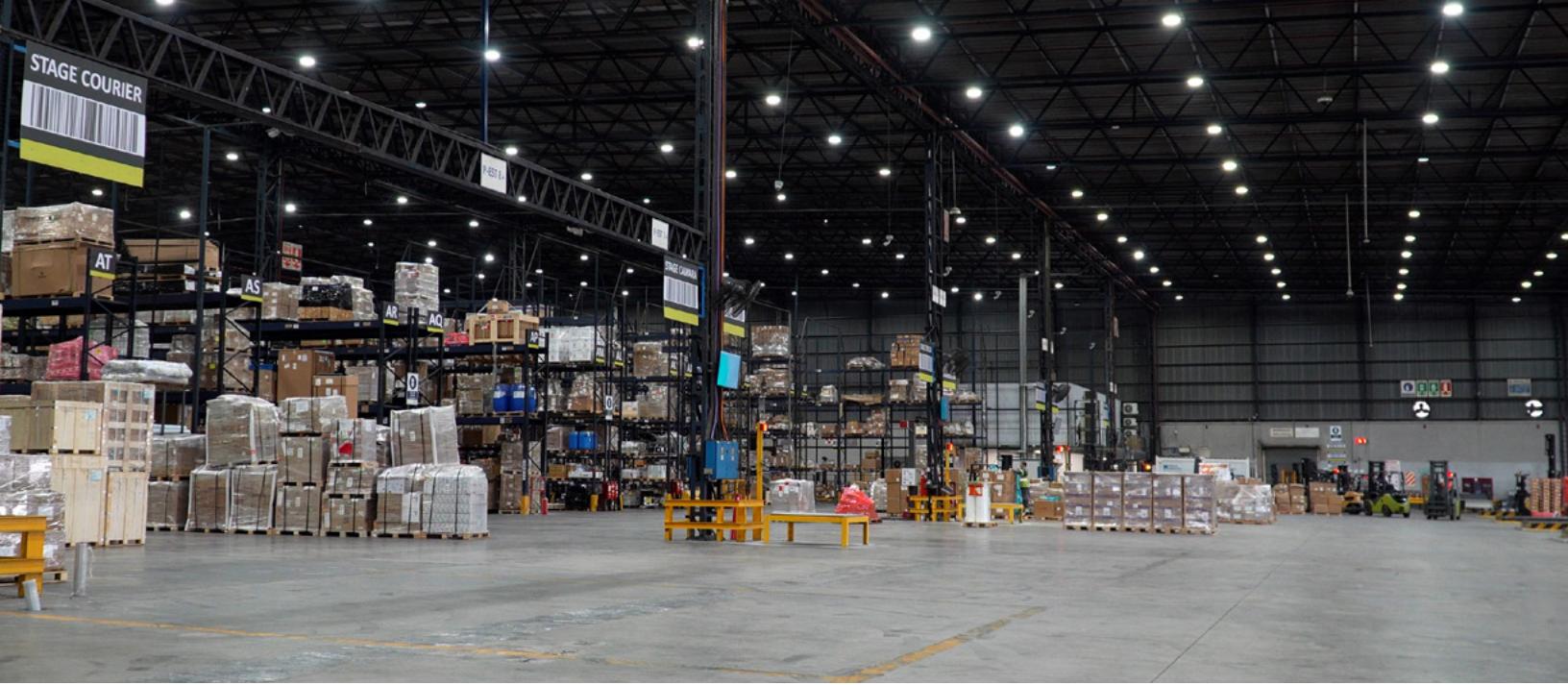
Conclusion

With enhanced security and cargo traceability, operations at AAC are running smoothly and goods are better protected from threats and accidents.

Looking ahead, the organization plans to expand the use of Avigilon's AI video analytics to enhance operational efficiency and integrate the Unity Video VMS with existing access control systems, creating a more robust security setup.

Furthermore, it plans to expand its technology ecosystem by implementing the Halo Smart Sensors, another key technology from the Avigilon security suite, for air quality monitoring and detecting abnormal noise.

Once the Unity Video solution is integrated with Halo Smart Sensors and access control, AAC will be able to analyze video alarms as well as access control and sensor events on the Unity Video VMS, simplifying workflows and improving incident response times.

To learn more, visit: www.avigilon.com

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