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Developed by Seibold Security and Mavin Technologies.



SEIBOLD & MAVIN USE CASE STUDY: MUSEUMS

Museum Market Situation

Most museums' art and other items are derived from private, government, or similar collections. In a recent article from Masterworks, just the top five private art collections are valued at ~10B. When you consider all the museums in the US and all the galleries and exhibits, it's possible to estimate a value of hundreds of billions (USD); perhaps the value is incalculable as so many pieces and artifacts are irreplaceable.

Seibold and Mavin Thrive Helping Museums

At Seibold Security and Mavin Technologies, museums are one of the most significant parts of our businesses, especially in the eastern half of the US. After 40+ years, we are still family-owned, which enables us to remain customer-focused, innovative, and flexible.

We have provided solutions for cultural institutions ranging from world-renowned brands to vital community and local ones. We have helped many museums with design-build services and, in some cases, obtained grants for modern, integrated security systems tailored to their organizations.

This [link](#) takes you to our holistic paper on museum security, risks, and countermeasures.

Museum Security Risks

As custodians of valuable artifacts and cultural treasures, museums face many security risks. Here are some of the prominent security issues that museums typically encounter:

- Internal Theft and Employee Misconduct
- External Theft and Burglary
- Vandalism
- Fire and Natural Disasters
- Trafficking and Illicit Trade
- Terrorism and Political Unrest
- Environmental Factors



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Museum Risk Mitigation and Countermeasures

- Museums typically focus on several types of security to protect their collections and ensure the safety of buildings, exhibits, storage, transportation, visitors, and staff. The most important types of security for museums include:
- Access Control (aka PACS) (management software, identities, automation, workflows, integrations, visitors, controls, readers, credentials, mapping)
- Physical Security (barriers, locks, doors, gates, line management)
- Specialized Museum Security (laser beams and automation, coupled with video analytics, integrated tailgating and alerts, and asset movements and tracking)
- Environmental Security (temperature, humidity, and light and preventing damage from water or pests)
- Surveillance and Alarm Systems (CCTV cameras, motion detectors, analytics, AI, and alarms – automatically track people, objects, artifacts, and treasures)
- Fire Safety and Disaster Planning (robust fire detection and suppression systems)
- Art Handling and Transportation Security
- Visitor Management (controlling the flow of visitors, managing crowds, and ensuring visitor safety)

Real-World Seibold-Mavin Customer Use Case

One such client presents thousands of years of art for everyone to experience and enjoy. Since its founding over 100 years ago, this museum always aspired to be more than a treasury of rare and beautiful objects. The museum collects, studies, conserves, and presents significant works of art across time and cultures to connect all people to creativity, knowledge, ideas, and one another.

The museum is in the top tier of US cultural institutions and, like many museums, or even more so, faces many security risks, as discussed above.

To mitigate their security risks, they maintain an enterprise-class approach to security – from any point of view. The Mavin System running there has the following attributes:

- The Mavin System was installed in 2001.
 - There are four (4) separate SOCs with Mavin client stations for administration and monitoring.
 - 15 client stations are being utilized at guard stations throughout the facilities.
 - The PACS HW in use is Mercury and Azure, and prior, Litton SuperVision; all run on the same software platform, Mavin.
 - There are 400 doors and 20 elevators in the Mavin System.
 - They use Milestone for video management, and the system has ~2,000 cameras.
 - Ambient AI develops video analytics.
 - Additionally, the Mavin System integrates ~3,500 alarm points made up of motion detectors and LIDAR.
 - Other integrations include Workday and Security Escort.
 - This customer relies on Seibold and Mavin to help them develop capabilities in the form of features, integrations, and other technologies. Proof of concepts in play are Titan and Ambient integrations and IoT art asset alarm tag integration with Aruba.
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