

Case Study

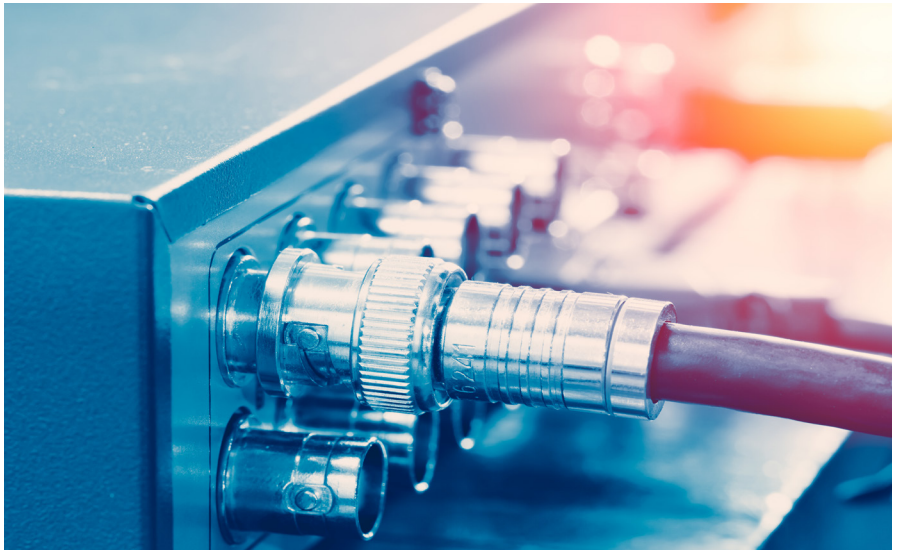
Enhancing Surveillance with AI: A Cost-Effective Security Upgrade

COMPANY

A prominent financial institution in the United States committed to providing secure banking services, including investment banking and wealth consulting.

CHALLENGES

The bank sought to upgrade its security infrastructure to incorporate AI-driven surveillance and access control, but its existing setup relied on outdated coaxial cabling, which made the complete infrastructure overhaul costly and time-consuming. Additionally, the bank is located within a historic building over 100 years old, and therefore, it was a challenge to modernize security without extensive disruptions or high replacement costs.





SOLUTION

To implement a cost-effective and efficient upgrade, our team designed a security system leveraging Internet Protocol (IP) over Coaxial Cable. This innovative approach allowed the bank to transition to AI-enhanced security smoothly while minimizing disruption.

Key implementations included:

- **AI-Powered Cameras:** Provided intelligent monitoring and real-time threat detection.
- **Environmental Sensors:** For enhanced security insights.
- **Access Control Systems:** Secured restricted areas with AI-driven authentication.
- **Panic Buttons:** Provided enhanced safety for emergencies.

Utilizing IP over Coax conversion, and existing cabling, we reduced data cabling replacement costs by 30%-50% of overall budget costs compared to a full infrastructure replacement.



RESULTS

This solution provided the bank with a high-performance security system that met modern safety standards while being cost-effective.

The financial institution now operates with a cutting-edge AI-driven security system, achieving:

- Enhanced surveillance and threat detection through intelligent monitoring.
- Seamless access control with AI-powered authentication.
- Cost-efficient security transformation, ensuring scalability for future upgrades.

Equipment Used

- Verkada AI-powered cameras
- Environmental sensors
- Access control systems
- Access control systems
- PoE over Coax Converter
- Access control systems
- Panic buttons