Private University – Full Campus AV, Network & Security Deployment

Executive Summary

Systembuilders delivered a comprehensive, full-scope technology deployment for a private university campus. The engagement covered academic buildings, common areas, and campus-wide security infrastructure.

Full Project Scope

• Classroom AV systems (audio, video, control)

• Campus-wide sound systems

• Structured cabling and fiber backbone

• Network switching and routing

• IP surveillance cameras and recorders

• End-to-end testing, commissioning, and documentation

Technical Design & Engineering

Systembuilders engineered the solution to support future scalability, redundancy, and long-term operational reliability. All systems were designed to meet educational standards and support hybrid learning environments.

Installation & Deployment

All low-voltage wiring, rack installations, device mounting, labeling, and configuration were performed by Systembuilders technicians following industry best practices.

Security & Network Architecture

The network infrastructure was designed with VLAN segmentation, PoE optimization, and centralized monitoring. Camera systems were strategically placed to maximize coverage while respecting privacy requirements.

Project Management & Coordination

Systembuilders coordinated with university stakeholders, consultants, and trades to ensure smooth execution within academic schedules and safety requirements.

Testing, Training & Handover

All systems underwent functional testing and validation. Training sessions and as-built documentation were provided to IT and facilities teams.

Business Outcome

The university now operates a modern, secure, and future-ready campus technology environment supporting education, safety, and institutional growth.