

Energy Control Inc. (ECI) is a System Integrator for energy, security and IT systems; networking, data, video and voice communications. ECI specializes in engineering technology-based and financially-driven solutions to improve school security and reduce operating costs while working to ensure safe and secure learning environments.

### ECI's goals are:

- **Safe and Secure Schools;** through access and surveillance technology
- **establish long term customer relationships;** based on sound investment & quality performance



Santa Fe High School

**PROJECT HISTORY:** ECI and the Santa Fe Public School District have a strong relationship built on quality products, installation and service. ECI performs systems analysis and design/build services and has installed and maintains many integration systems for the District. The District challenged ECI to find a solution to their security and networking issues. A risk assessment study was performed and from the results, a system design was reached.

**INTEGRATED SOLUTIONS:** ECI engineered and installed network infrastructure and deployed an Ethernet System which allows IP video to be viewed by specific users with the use of access control lists district wide. Video data streaming uses Wi-Fi wireless technology with a segregated data switch for proper bandwidth allocation.

ECI designed and installed a campus wide IP video surveillance system with a separate data network. All interior cameras are capable of POE (Power over Ethernet) allowing ECI to minimize the cost of installation. Wireless technology was used to allow video streaming from cameras in locations that would not normally be obtainable.

The separate IT network can also communicate to other building systems. This network was then integrated into the existing campus. The Video streams can be viewed any where in the district via the school's network.

- MEASURES:**
- surveillance
  - fiber-optic cabling
  - networking & IT infrastructure
  - access control
  - intercom
  - Wi-Fi

## TECHNOLOGY SOLUTIONS

- Web-based Video Surveillance
- Fire Alarms & Intercom
- Strand & Fiber IT Infrastructure
- Wi-Fi Wireless Technology
- Service & Support All Systems

## BENEFITS

- Insurance Cost Savings
- Fire Alarm and Security Monitoring
- Classroom Communication
- Vandalism & Loss Prevention
- Lifetime Cable Plant Warranty



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Using technology to improve the use of energy and create a better environment