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Background

Located in the pristine wilderness of Western Colorado, Gateway Canyons is a resort destination offering adventure, learning and relaxation. Featuring lodging, dining, educational programs, fitness spa and the world-class Gateway Colorado Auto Museum, the resort's "educational vacations" offer a unique getaway experience for families, groups and corporate clients.

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The Challenge

The client requested that the design and construction teams find solutions to reduce energy consumption and streamline staff duties through the implementation of the control system.

What began as a relatively simple scope of work to provide high-quality AV control for the new Palisade Event Center turned into a complete and fully functional facility-wide integration.

The client first asked for a basic, but high-end AV system for the Palisade Event Center. As design progressed, the client expressed a desire to be on the cutting-edge of technology throughout the entire resort. The acoustical consultant and AV system designer, D.L. Adams Associates, Inc., suggested the client look at the AV control system in a new way – a campus-wide control system, incorporating lighting, HVAC and hotel scheduling through a reliable, single-platform design.

"We selected Crestron for its ease of use and intuitive interface," said Steve Hasenei, Chief Technology Officer, Gateway Canyons.

Ultimately, with the downturn in the economy, the owner requested that the design be scaled back. D.L. Adams Associates, Inc. worked to design a system that allowed for a path to future upgrades without complete equipment replacement.



Kiva Lodge

Kiva Lodge is a 38-room hotel with fitness center, spa, café and pool area. Denver-based Integrator, CEAVCO Audio Visual, installed a Crestron CP2E system to control AV and background music distribution throughout the lodge.

The background music system includes a multi-disk CD changer and allows for three additional background music audio sources such as digital cable or satellite set top boxes. The music is distributed to the fitness room, massage room, waiting room, reception, indoor/outdoor dining and pool area. The pool area loudspeakers were custom finished to match the surrounding landscaping boulders.

Crestron wall mount touch screens - TPS-2000L and TPS-3100LW and keypads - CNX-B12W and CNX-B8W adorn the luxury space for walk in/walk up one touch control.

Palisade Event Center

With the opening of Experius Academy at Gateway Canyons, educational vacations are redefined, as leading experts from around the country share their latest news and research in lectures and workshops to limited numbers of guests.

The Palisade Event Center is a combination of both interior spaces and exterior covered patios that offers nearly 12,000 square feet of gathering room. The facility features a Grand

Hall with a Sunset Atrium for up to 300 people, the Old Sage Boardroom, a 56-seat theater, the Storyteller Library and the Paint Horse art studio.

Crestron DigitalMedia™ provides a complete HD AV distribution system that takes HDMI to a higher level, and allows AV sources to be distributed throughout the facility.

The theater provides full HD video and PC presentations with high quality audio. Sources include Blu-ray, DVD, Apple® Computers, and inputs for analog video equipment. The space is used for educational and entertainment purposes featuring a screening room for enhanced presentations and events.

An IP-based control mainframe with LAN connection allows remote operation or assistance via a web browser. Included software provides monitoring, trouble shooting and system scheduling capability. Control interfaces were provided for the HVAC system, the patio fire pits, motorized shades, LED controllers and occupancy sensors.

Crestron PAC2 dual bus control system serves as the central processor for Crestron Green Light™ lighting system found throughout the Palisade Event Center. The PAC2 works seamlessly with Crestron lighting dimmers (CNLDAB-4A, CNLDM-6, CNLFDB4), occupancy sensors (GLS-ODT-C-500, GLS-ODT-C1000) and touch screens (TPMC-8LB-T, TPMC-8X,



TPS-6L). Fast performance, rigorous construction, and extreme flexibility provide a truly powerful automation solution for the facility.

When the Crestron system receives an alert from the fire alarm and emergency generator, designated emergency lighting circuits turn on. The system allows for time clock programming for control of building lighting. The addition of schedule interface for lighting allows users to define and schedule lighting events by time, day and month. Lighting is controlled in a number of areas within the Palisade Event Center including Palisade Grand Hall, Sunset Atrium, Board Room, Restaurant and Bar, Theater, Painted Horse Art Studio, Storyteller Library, men's and women's restrooms, coat check, and facility maintenance and storage areas.

Gateway Auto Museum

The Gateway Colorado Automobile Museum houses more than forty vehicles in the privately owned Hendricks Collection. The museum tells the story of how the automobile impacted society. It is an educational experience with historical perspective.

When visitors enter the exhibit areas motion detectors alert the Crestron PRO2 control system and allow informational videos to turn on automatically. DVD players and solid state digital signage players provide the content presented to visitors as they stroll through 100 years of automotive history.

Benefits

The installation of the Crestron control system in the Palisade Event Center has enabled Gateway to handle complex AV and

lighting needs with little involvement from IT. Gateway Canyons Resort continues to provide the best customer service for events with the least amount of personnel overhead (i.e., resources, in-depth system training, etc.).

Crestron was selected for its ease of use and intuitive interface, a solution for the client who planned to reduce the amount of administrators to manage the system. The objective was achieved with the Crestron solution.

“ The system helped Gateway increase operating efficiencies, provide better customer service, improve training and create new business opportunities.”

Steve Hasenei, Chief Technology Officer, Gateway Canyons

“The user interface has made training Gateway’s seasonal employees seamless,” said Hasenei.

“Gateway used to have many staff members manage the system but with the new Crestron system it can be monitored by one person who doesn’t have to be onsite.”

Crestron lighting helped Gateway Canyons twofold. The automated/timed lighting on/off presets provides a reduction in energy consumption. The Crestron system attracts customers with very complex presentation and lighting needs.