

Pentegra Systems Client Spotlight - A/V Systems



Four Winds Casino Resort New Buffalo, MI



Client Profile

Located 75 miles east of Chicago in New Buffalo, MI, Four Winds Casino Resort is a brand new entertainment complex consisting of a 130,000 square foot casino, a 165 room suite-hotel, six restaurants, entertainment bars and retail shops. Four Winds Casino Resort opened in August 2007 to become the first land-based casino in Southeast Michigan and is expected to draw more than four million visitors a year to the area. Integrating low-voltage IP based technology into such a vast and complex facility is a challenging, multi-faceted project. Four Winds tapped Shen, Milsom & Wilke, a communications technology and acoustic consulting firm to design the audio and video systems and the data center. Pentegra Systems was chosen as the integrator because of our extensive experience with integrating audio and video systems onto the IP network and our ability to complete a project as complex as Four Winds. Pentegra's AV integration brings the entire Four Winds Casino Resort to life 24 hours a day, seven days a week.

Main System Components

- BSS Soundweb London Components
- AMX Touch Panel Control Systems
- Extron MediaLink Video Switching
- Dish Network Satellite Distribution
- JBL Ceiling & Surround Speakers
- Crown CTS Series Amplification
- Chief Flat Panel Video Mounts
- Electric Mirror© TVs



Pentegra Systems' Solution

Integrating audio and video systems throughout Four Winds Casino Resort would be a challenge for even the most experienced integrators and Pentegra Systems was up to the task. Pentegra integrated AV presentation systems in the employee training rooms which are used to train the casinos 2400+ employees. Comprised of NEC projectors & JBL ceiling speakers with Extron switching & AMX controls, these systems needed to be easy to operate and dependable because they are in constant use. Pentegra was also responsible for seamlessly integrating the state-of-the-art presentation systems in Four Winds' corporate boardrooms. JBL surround sound systems were installed in the hotel suites where Pentegra also installed Electric Mirror© built in TVs. Audio distribution throughout the gaming floor, players lounges, restaurants and promenade is accomplished using BSS Soundweb London CobraNet components. The CobraNet system uses a dedicated IP network to transmit audio signals to 83 different zones. Different music selections can be played in various zones throughout the casino complex and the system also accommodates paging that is used to announce raffle winners and special casino events. Video feeds are distributed throughout Four Winds to over 440 video displays. The displays can be configured to show satellite TV provided by a Dish Network system installed by Pentegra or to show internal promotional content. Pentegra Systems successfully completed the integration of all of these systems that are used everyday to enhance the entertainment experience that Four Winds Casino Resort was designed to provide.