



Situation

The Cucamonga Valley Water District built a state of the art facility known as the Frontier Project. Its purpose is to specifically showcase sustainable building practices and to assist in educating resident consumers, commercial builders, and sustainable advocates regarding the latest methods and technologies in water, energy and site conservation. In order to effectively communicate the various sustainable features without a physical host, the Cucamonga Valley Water District turned to Spinitar to design and integrate a series of audiovisual systems that could provide a self-guided interactive learning experience.

Solution

This installation consisted of multiple rooms with varying degrees of audiovisual systems. The Front Receptionist area features three 52" NEC LCD displays mounted behind a desk. They are designed to display content and act as the Virtual Receptionist. The middle display is triggered by a touch pad door bell that engages the virtual receptionist and connects the lobby of the Frontier Project

to the receptionist at the Cucamonga Valley Water District. The system allows for the CVWD receptionist to view any incoming visitors to the facility via the AMX intercom touch panel.

The Combinable Conference Rooms are designed to function as one or two rooms and they come equipped with Christie projectors and Draper screens that are ceiling mounted on an orbiting lift. Equipment was designed in this specific way to not distract from the aesthetics of the room. Eight Sound Tube pendant mount ceiling speakers and two sub woofer speakers provide audio to the rooms and feature an AMX wireless touch panel control system which allows the end-user to control all sources within the rooms. One of the rooms is equipped with a Polycom multi-point video conferencing system complete with Shure microphones. This room also features an Accordent capture station used for webcasting multimedia presentations.

The Exhibition Hall provides visitors with valuable information DVD/VCR and phones. This allows users to route

The Exhibition Hall provides visitors with valuable information pertaining to the Frontier Project and the sustainable practices used to build the LEED Platinum Facility. It features two 26" ELO touch screen displays mounted in a custom designed kiosk located on the exterior walls of the mechanical room. These displays are programmed to deliver interactive information that informs visitors on the AV housed in the equipment room. This area also includes two 42" Mitsubishi LCD's that are used to run The Frontier Project Information content on a loop. In addition, there are fifteen Sound Tube pendant mount ceiling speakers hung in the exhibition hall and a Christie LCD projector that projects onto a 133' diagonal Draper acrylic screen that is affixed to the far wall of the exhibition hall. This system provides audio and video throughout the hall for various events. In addition, a 26" ELO touch panel is located on the inner wall as you exit the Exhibition Hall and it provides visitors with information on the Frontier Project and its partners. It also enables visitors to e-mail that information.

The Kitchen AV system is used to inform visitors of all the GREEN/Energy Star compliant appliances on the market today. A 20" ELO touch panel provides a tutorial on all the appliances.

The Living Room is set up residential style with a 52" Mitsubishi display sitting on a credenza. The display is connected to a Sony DVD player with laptop connection. An AMX wireless touch panel control system manages all AV sources in the room. In addition, there is an AMX communicating thermostat which includes a 3.5" color display and is fully programmable for automatic scheduling, automatic temperature and relative humidity adjust-

ments, as well as power-outage protection. The thermostat is also tied into the World Wide Web to upload five day forecasts for the local area.

The Second Floor Conference Room is equipped with a 52" Mitsubishi LCD display for viewing laptop presentations, digital cable and DVD's. There is also an AMX wireless touch panel control system used to manage all sources within the room.

Results

The innovative AV systems not only track building performance but they also provide visitors with the opportunity to learn about commercial and residential sustainable building features, products and service providers. In addition, local businesses are encouraged to reduce their carbon footprint by using the building's videoconferencing system. The rich media recording system acts as a revenue source for The Frontier Project by allowing local organizations, businesses and learning facilities to host seminars and monthly meetings that are recorded and offered as a file that can then be uploaded to their website for public viewing. The digital signage technology is used to provide upcoming company event information, human resource regulations as well as emergency instructions for the human resources department that works out of the Frontier Project.



Virtual Reception Desk