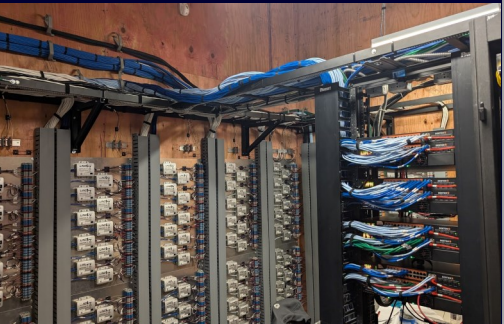


Case Study - Resorts World Las Vegas Villa 66

Client	Location	Application	Technology	Size	RoI
Resorts World		Hospitality	Power over Ethernet (PoE)	<10K sqft	N/A



Project Overview

Resorts World Las Vegas wanted to create a space that was leading edge technology, simple to use and integrate, and reduced the infrastructure cost required to support their flagship penthouse suite.

Denton Features Enabled

- Single button scene control through wall switches and tablets
- Individual circuit level control
- Power readings from every device, every 5 minutes
- Real time occupancy status
- Master control wall switches
- Alarms and alerts
- Remote access and control
- Dashboard insight to energy usage
- Tablet control of lighting
- Ability to support <1% dimming requirements
- RGBW, Dynamic CCT and Monochromatic fixture integration
- Integration with external AV system



The Challenge

The room has over 10kW of lighting using advanced RGBW, and dynamic CCT lighting. They wanted to support custom colors for corporate or sports team in the space and match the sunrise/sunset color coming in through the windows. DMX+ High voltage represented a more complex and expensive solution.

The Solution

The Denton DBI solution was installed to employ the utilization of PoE (Power over Ethernet) controls. This supported individual control of each circuit tied together with software. With a full integration with outside AV software the residents in the space can simply create whatever mood desired with a high degree of customization requests such as creating a welcome scene in the brand colors of a corporation or user preference

The Components

- DENT-LINC: PoE LED driver
- CORTAP: Linux server gateways
- Remote access and control interface
- PoE Tablets
- Occupancy sensors
- Low voltage wall switches
- GBTS-28-24-M L2 switch
- PS-53V-3000W redundant power

