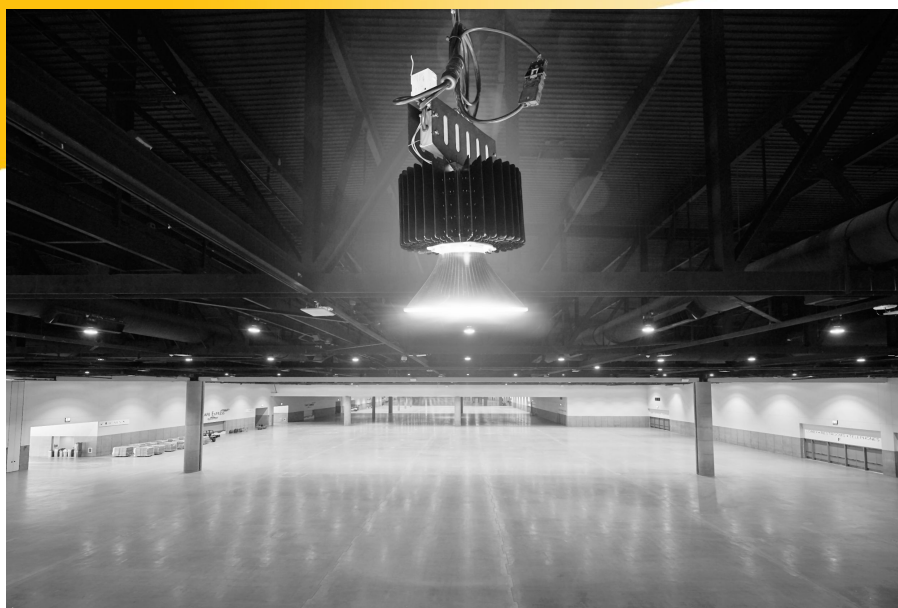


San Diego Convention Center

ILLUMRA Case Study



CONFIGURE HALL

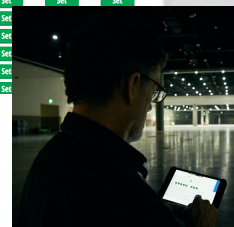
A B SB C D E F G H

Ramp time: Off: Low: Med: Individual Control

3 0 20 50

Show Scene

	A1	A2	A3	A4	A5	A6
1				Set	Set	Set
2				Set	Set	Set
3			Set	Set	Set	Set
4			Set	Set	Set	Set
5		Set	Set	Set	Set	Set
6		Set	Set	Set	Set	Set
7	Set	Set	Set	Set	Set	Set
8	Set	Set	Set	Set	Set	Set
9	Set	Set	Set	Set	Set	Set



The San Diego Convention Center management team maintains and promotes an iconic facility that host events which bring tens of thousands of visitors and tremendous economic benefits to the city. An important consideration for the exhibit hall is the quality of the lighting and the flexibility of the lighting controls in the facility. The convention center selected URSA LED fixtures paired with an ILLUMRA lighting control system to provide quality lighting and maximum flexibility and reliability as needed in a facility whose primary purpose is to showcase products and events.

CHALLENGE

- Installation must occur without interrupting previously scheduled events
- Light System Failure is not an option when thousands of attendees and exhibitors come together for an event
- Each show has unique lighting requirements
- Previous system required an electrician in the control room and a second one on the show floor to make scene changes
- Budgeting for high installation cost of capable control systems

SOLUTION

- Wireless Lighting Control System allowed new fixtures to be installed within time constraints with no downtime
- ILLUMRA system provides 4 levels of redundancy to ensure the lights will work in the most difficult circumstances
- Wireless switches allow for scene change by client or one electrician
- Control Interface allows customization of lighting scenes on a per fixture basis using a wireless tablet on the show floor
- System cost was unmatched in terms of benefits and cost

PARTS USED

Dual Rocker Switch - White
E9T-S2AWH

Single Rock Switch - Gray
E9T-S1AGY

0-10V 5A Fixture Controller
E9X-DUV-10VTP-FX

RESULTS

All fixtures were pre-configured and labeled for a specific location ID and worked with the system immediately upon connection in their final location. The ILLUMRA "Scan and Link" application built on the EnOcean standard for Remote Commissioning was a key part of the success of this project as it facilitated quick commissioning of each fixture control device with the specific location configuration at the factory prior to shipping to the convention center. The mobile application, was helpful at the facility to make changes as needed from the ground without the necessity of physically touching the controllers which are mounted on the ceiling fixtures. The custom web interface programming for individual fixture control, and the Manual Override Stations / House Lights Override for backup use if the Gateway controllers were off-line for any reason ensure system operation under all circumstances.

BENEFITS TO CUSTOMER

The project was completed within the required time constraints and is currently providing beautiful lighting using URSA LED technology and ILLUMRA controls for the events being hosted in the facility. The Mobile Commissioning Application and event lighting customization Interface capabilities from ILLUMRA; as well as the unique features of the EnOcean protocol, resulted in an innovative solution that provides a new level of flexibility, efficiency and reliability.

ILLUMRA

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