UCLA ATHLETICS CASE STUDY
2014
INSTALLATION OF UCLA ATHLETICS NEW AUDACY® SYSTEM SIGNIFICANTLY REDUCES ENERGY USE

PREFACE

As one of the world’s leading universities, UCLA is committed to environmental responsibility and sustainability. Part of that commitment is ensuring that all energy is used wisely.

With over 100 championship trophies to its credit, UCLA athletic teams have made the school the most decorated institution in the history of the NCAA. Supporting such an astounding track record of success takes world-class, state-of-the-art administration and academic facilities to provide the student-athletes with an environment conducive to learning, improving, and succeeding—both on and off the field.

Kevin Borg is UCLA’s Assistant Athletic Director for facilities and project management. He is charged with driving maximum performance from each facility across the school’s intercollegiate programs. Borg also is accountable for stewarding the budget needed to build and run each facility in an increasingly demanding economic and regulatory environment.

California’s tough new Title 24 regulations demand that organizations with large-scale buildings, campuses and facilities networks prove they are reducing energy usage across their operations each year. The Energy Information Administration reports that lighting can be up to 40% of an organization’s energy bill each year – a statistic that rings true with Borg. “So one of the first things we did was attack our lighting situation.”

AT A GLANCE

BUILDING TYPE
Office Building Retrofit

LOCATION
Los Angeles, CA

FIXTURES
132

PROJECT SCOPE
23 Motion Sensors
22 Switches
2 Gateways

COMMISSION DATE
07/2014

PROJECT RESULTS
50% Savings in Offices
30% Savings in Learning Center
RESULTS

After easily retrofitting Audacy’s wireless devices into existing light fixtures and infrastructure (under three minutes per fixture), UCLA used simple occupancy, vacancy, task tuning, and dimming approaches to achieve a 35% savings in their overall electrical lighting load. The Audacy system provides Borg and his facilities managers the ability to manage, monitor and adjust their organization’s lighting system from a laptop, tablet or smart phone from anywhere in the world, even while they travel.

“First and foremost, the Audacy system allows us to provide our student-athletes with an environment conducive to learning. These simple controls reduce glare and provide the optimal light levels to help make our student-athletes comfortable,” stated Borg.

Borg and his team also tested the Audacy system in the athletic department’s learning center and in the Hall of Champions located in the Athletics’ Hall of Fame. “The venues gave us a great way to evaluate the flexibility and responsiveness of the system in real world situations.”

Over the 12-month test period, Borg and his team consistently delivered at least a 35 percent reduction in total energy usage “just by delivering the right amount of light to the right room at the right time.” Borg explained, “The most efficient light is one that is off. So, we’re now set up to automatically program lights to turn off when a room isn’t being used.” Borg said he can also monitor and adjust the lighting in each room from an iPad or smart phone.

“It’s a game-changer,” said Borg. “The Audacy system allows us to optimize both our lighting and energy usage from building to building. It’s simple. Intuitive. Effective.”
CONCLUSION

UCLA Athletics turned to IDEAL’s Audacy Wireless Lighting Control system to help save energy in portions of the J.D. Morgan Center and Acosta Athletic Training Center facilities. Through simple, yet powerful lighting control strategies, UCLA was able to significantly reduce the amount of electricity used, helping them focus their energies on what is most important: their students.

ABOUT AUDACY

Audacy is advanced wireless lighting control that changes your space. It’s a system designed to be as future-proof as it is innovative, giving you the power to see your world in a better light. And it’s all from IDEAL Industries, Inc., the family-owned, professionally-managed company that’s been advancing industries and providing unparalleled customer service to the trades for more than 100 years.

“The ability to easily retrofit into existing fixtures was key in keeping the installation time down. [...] Using the right amount of light at the right time is key to our energy savings. Also, we’re anticipating to see 30%-40% more life expectancy from the lamps since they’re not ‘ON’ all the time.”

- KEVIN BORG, UCLA
Assistant Athletic Director for Facilities and Project Management

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