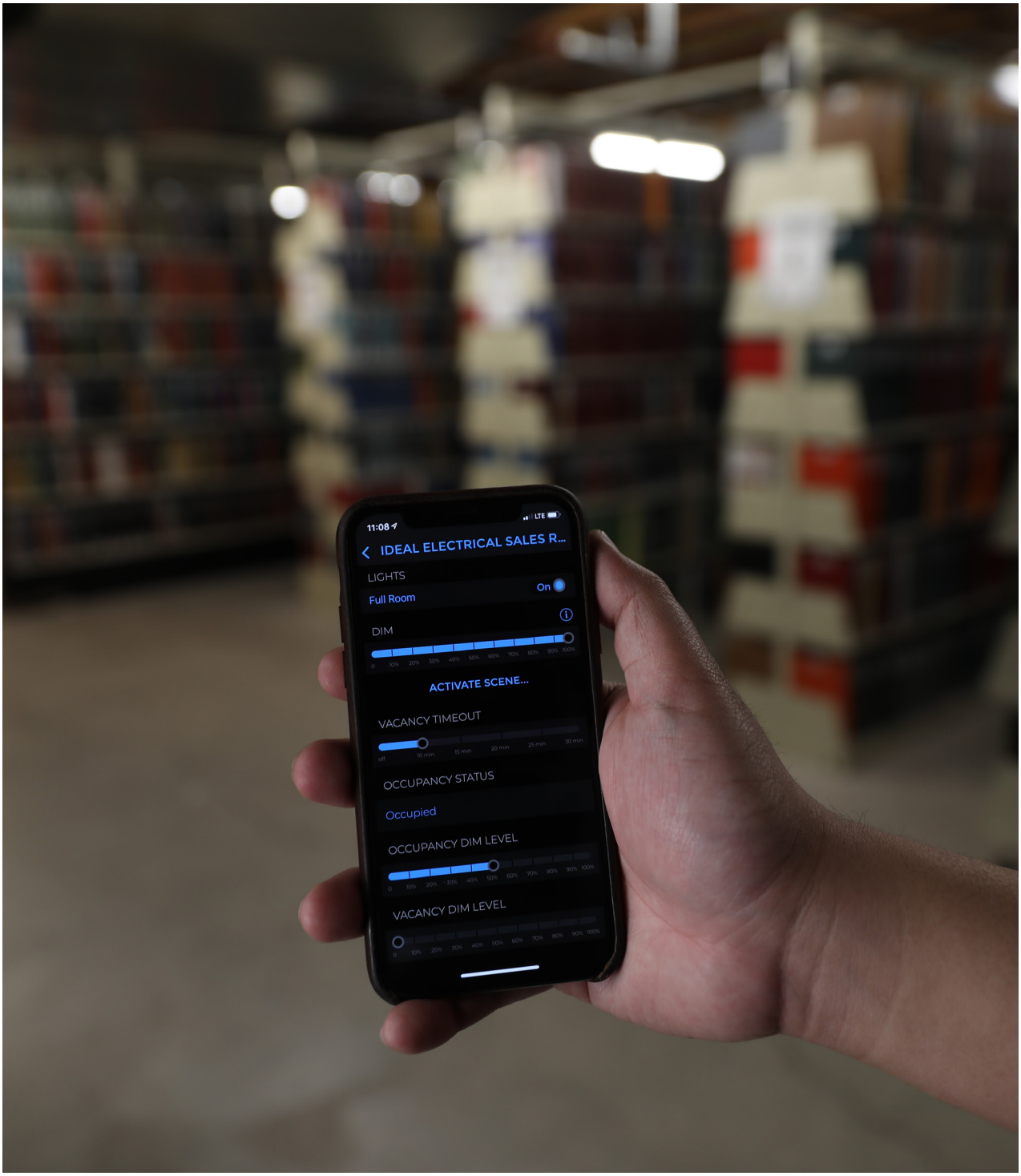

COLORADO STATE UNIVERSITY
CASE STUDY
2019

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WIRELESS LIGHTING CONTROL
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ANOTHER DEGREE OF CONTROL

A Unique Lighting System for Unique Lighting Needs

The Audacy Wireless Lighting Control System Installed at Colorado State University

PREFACE

In 2016, Colorado State University in Fort Collins, CO started working on retrofitting several areas of their campus. As with multitudes of universities across the country, many buildings were becoming quickly outdated as new technologies were coming to the forefront and starting to be required for energy codes, especially in the western United States. As a result, the university decided to implement the Audacy Wireless Lighting Control System in several test areas across campus.

Due to the wide array of unique and abnormal spaces on campus and within these buildings, CSU needed a system that would afford them the flexibility to retrofit the lighting in each space. The Audacy system was installed in Centennial Hall, the Engineering Building, the Facilities office, the book storage portion of Morgan library, the agricultural research center (ARDEC) and the book storage building. Key benefits of the system for the occupants included occupancy, vacancy, daylight harvesting, scheduling and off-site control via the Audacy mobile app and web interface.

AT A GLANCE

BUILDING TYPE
University Campus

LOCATION
Fort Collins, CO

PROJECT SCOPE
Morgan Library
Engineering Building
ARDEC Center
Book Storage Building
Centennial Hall
Recreation Center

COMMISSION DATE
2018

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RESULTS

The Audacy System gave CSU the right tools to enhance the experiences of students, professors, and facilities managers by allowing for flexibility, energy savings, and ease of use.

By retrofitting LEDs in the engineering building with Audacy Luminaire Controllers, professors are able to create customized environments best-fit for their teaching styles and create engaging atmospheres for their students. In the book-storage facility- a building with ceiling height constraints and different partitioning in walls- wireless occupancy sensors were able to efficiently light an abnormal space.

Facilities managers such as Doug Kolstee, have noticed significant energy savings thanks to the Audacy System's occupancy sensing, dimming control, and daylight harvesting. Kolstee has been pleased with the savings reported to him by their engineers, who have been reviewing meter readings and noted: "yes, we have seen savings."

With the task of overseeing countless buildings across a large and dispersed campus, CSU facilities managers needed to be able to remotely control lighting from anywhere. Facilities personnel were able to do just that with Audacy's web interface and mobile app. With this remote access, they are able to see problems within buildings and formulate plans to fix them without even stepping on campus.

INSTALLATION CAPABILITIES

Dimming

Scenes

Occupancy/Vacancy

Remote/Off-site Access

Energy Consumption Reporting

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CONCLUSION

Over the past three years, Audacy Wireless Controls has expanded to six buildings across Colorado State University's campus. Thanks to the flexibility, energy savings, and ease of use that the Audacy System brings to these buildings, CSU has been able to address the unique lighting needs across their campus.

Thanks to this partnership, CSU is looking forward to seeing where else the Audacy System can be installed as they continue to renovate the campus.

> "Working with Audacy so far has been extremely easy and it's user friendly. There's not a lot of issues with the system, and if there is an issue it's very easy to find the issue... I had maybe a half day course on [Audacy], but yet I'm able to go basically fix any room I want or to change lighting controls whenever with ease on the website."
>
> **- TIM HALL**
> Engineering Technician
> Colorado State University

ABOUT THE AUDACY SOLUTION

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.

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