

CAMPUS-WIDE SOLUTIONS



 **LUTRON**



Aligning with Your Campus Master Plan

The master plan is the backbone of your campus vision.

Beyond defining structure and form, the master plan is the link between mission statement, pedagogic vision, and physical learning environments, helping to define and influence the complete student experience.

Lutron understands this opportunity.

We have been helping to Create the Right Environment with innovative control solutions for the entire campus for more than 40 years.

The Lutron team is committed to helping you plan and execute strategies for better space utilization over time, and more efficient campus operations today and into the future.



Addressing Common Pain Points

Keeping up with emerging pedagogy and changing technologies

As the learning environment is constantly refined and reinvented, campus architects and engineers are challenged to identify and implement advanced system structures to support a world-class learning experience.

Lutron offers the right solution for the right space

Lighting is essential to every space on campus and can have a major impact on effective plan implementation.

Lighting and control solutions have evolved to enable better data collection and reporting, provide centralized control across your campus, integrate easily with other building systems, improve space utilization, and simplify facility management over time.

With comprehensive solutions for retrofits, new construction, and future construction, Lutron ensures your team has the products and support it needs every step of the way.



Enhancing Space Planning and Utilization

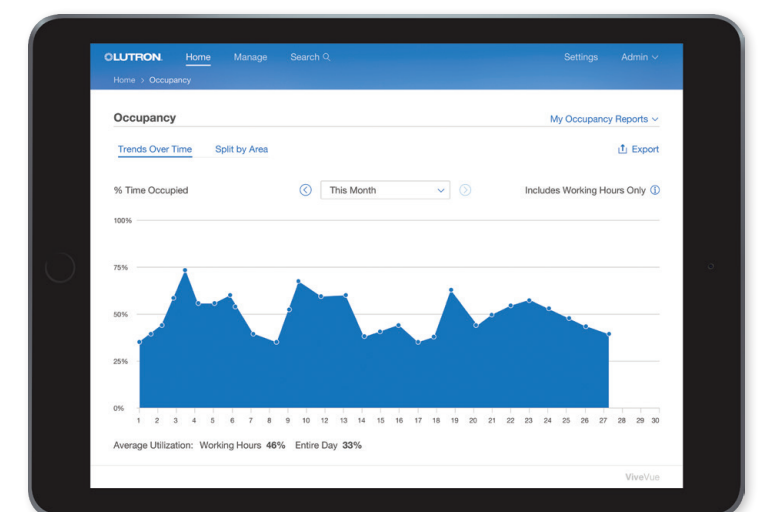
Simplified reports and actionable data can help better evaluate how space is used in today's 24/7 campus environment

Integrated lighting controls can be the key to better understanding of how classrooms, common areas, lecture halls and all the mission-critical spaces on campus are used, and can be better used.

Choose a solution that designs data, reports, and control flexibility into the living and learning environment

Lutron systems streamline design, specification, installation, and commissioning. Enterprise software simplifies data collating and evaluation to facilitate better decisions without the need for third-party analytics.

Flexible control solutions help you implement appropriate system adjustments to meet changing space requirements.



Space utilization reporting



Helping You Simplify Operations and Create the Right Environment

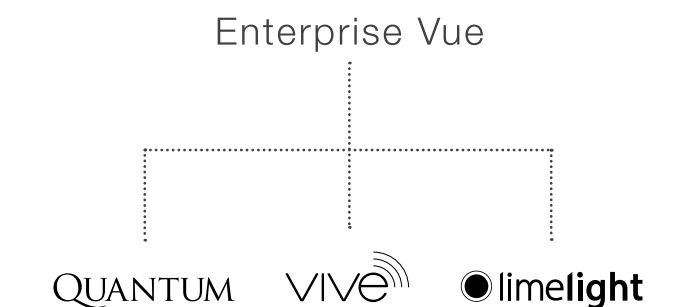
Centralized control

Integrate multiple smart systems – in existing buildings, new construction, and parking areas – under a single control umbrella to streamline building operations.

Enterprise Vue software ties it all together

Lutron solutions facilitate building decisions that best support your master plan, meet efficiency and sustainability goals, enable proactive alerts, and allow the facilities team to react quickly to requests anywhere on campus.

Enterprise Vue offers single sign-on and a common software interface to deliver solutions for the total lighting environment in multiple buildings – and allows systems to expand to meet the needs of your expanding campus.





Lutron Offers Unparalleled Service and Support

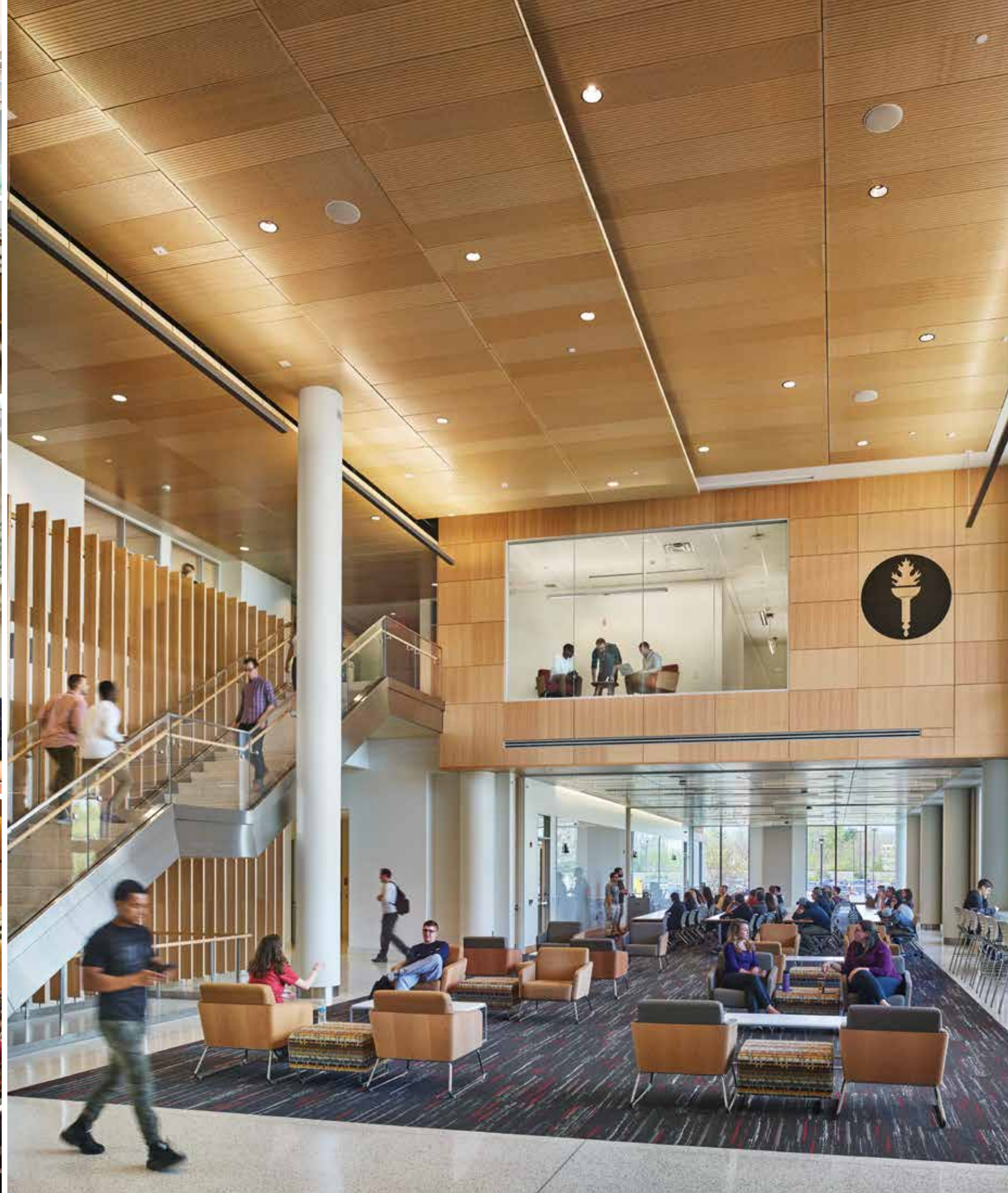
Accommodating change over the life of your campus

Critical campus buildings have different performance requirements, renovation cycles, and schedules that have to be managed. And they all have to coexist seamlessly with new construction and renovation plans. Ongoing manufacturer support is essential to efficient operation.

Our number one principal – take care of the customer with superior goods and services

As technology and pedagogy continue to advance, Lutron product solutions, services, and warranties ensure strategic, smart-system designs that meet today's technology requirements, and adapt to accommodate future innovations.

Our consultative specification team is there whenever you need us, often becoming an essential part of your operations team.



Classrooms & Libraries

Flexible control for changing spaces

As college campuses evolve and expand, building systems have to be flexible enough to meet the needs of a constantly-connected student body.

New instructional formats, such as immersive synchronous classrooms, are simultaneously serving multiple student environments. Libraries offer sanctuary for quiet study as well as collaborative areas for group discussion. Changing pedagogy demand agile technologies.

Create the right setting for any learning environment

Simple, scalable, wireless controls accommodate lighting retrofits more easily than wired solutions, and offer the flexibility to start with one classroom and expand as time and budget allow. Flexible controls deliver a secure, dynamic learning environment while helping to save energy and meet code.

Automated lighting and shading controls elevate the high-performance environment, and support a host of different student activities and programs with just a few simple adjustments from intuitive software controls.

Tunable white fixtures and controls can deliver the right combination of color and intensity to ensure the actual and virtual classroom delivers the same student experience.

Spotlight:

University of Pennsylvania, Philadelphia PA
Rowan University, Glassboro NJ
Northeastern University, Boston MA



Healthcare & Research Facilities

Advancing control for today's high-tech environments

Health sciences and the medical arts represent some of the fastest growing fields of studies on campuses across the country. Colleges and universities are challenged to provide facilities that continue to attract strong students, support research practices, and can adapt over time.

Solutions that integrate easily into rapidly changing spaces

Health sciences and hospital spaces combine classrooms, laboratories, and medical technologies, and often accommodate both traditional and professional level students.

Lutron integrated control systems accommodate changing paradigms, and high-tech integration with high-performance solutions that won't interfere with sensitive medical equipment.

Spotlight:

University of Kentucky Children's Hospital NICU, Lexington KY
SUNY Syracuse Cancer Center, Syracuse NY
Northeastern University, Boston MA



Living/Learning Communities

More personalized, family-like environments

Residence halls are being redesigned to foster better student engagement, increase comfort, and facilitate a stronger connection between living and learning. Students who live on campus often develop a stronger relationship with their alma mater – cultivate the environment they're looking for in university housing.

Controls minimize risk and expand opportunities

From simple, wireless controls in student rooms that save energy and meet code, to inviting exterior lighting and automated scene control in common areas, lighting can help enhance the student experience and ease the transition between home and away.

Individual control combined with automated, centralized solutions can help your facilities team identify lighting issues before they occur, minimizing risk and ensuring a more secure, comfortable environment.

Spotlight:
University of Delaware, Newark DE
Lock Haven University, Lock Haven PA
Northeastern University, Boston MA



Administrative Offices, Historic Buildings, Museums

Preserving the heart of the campus

Like the library and university center, these buildings are often the public face of a university. Upgrading their essential systems without sacrificing their defining personality can be especially tricky.

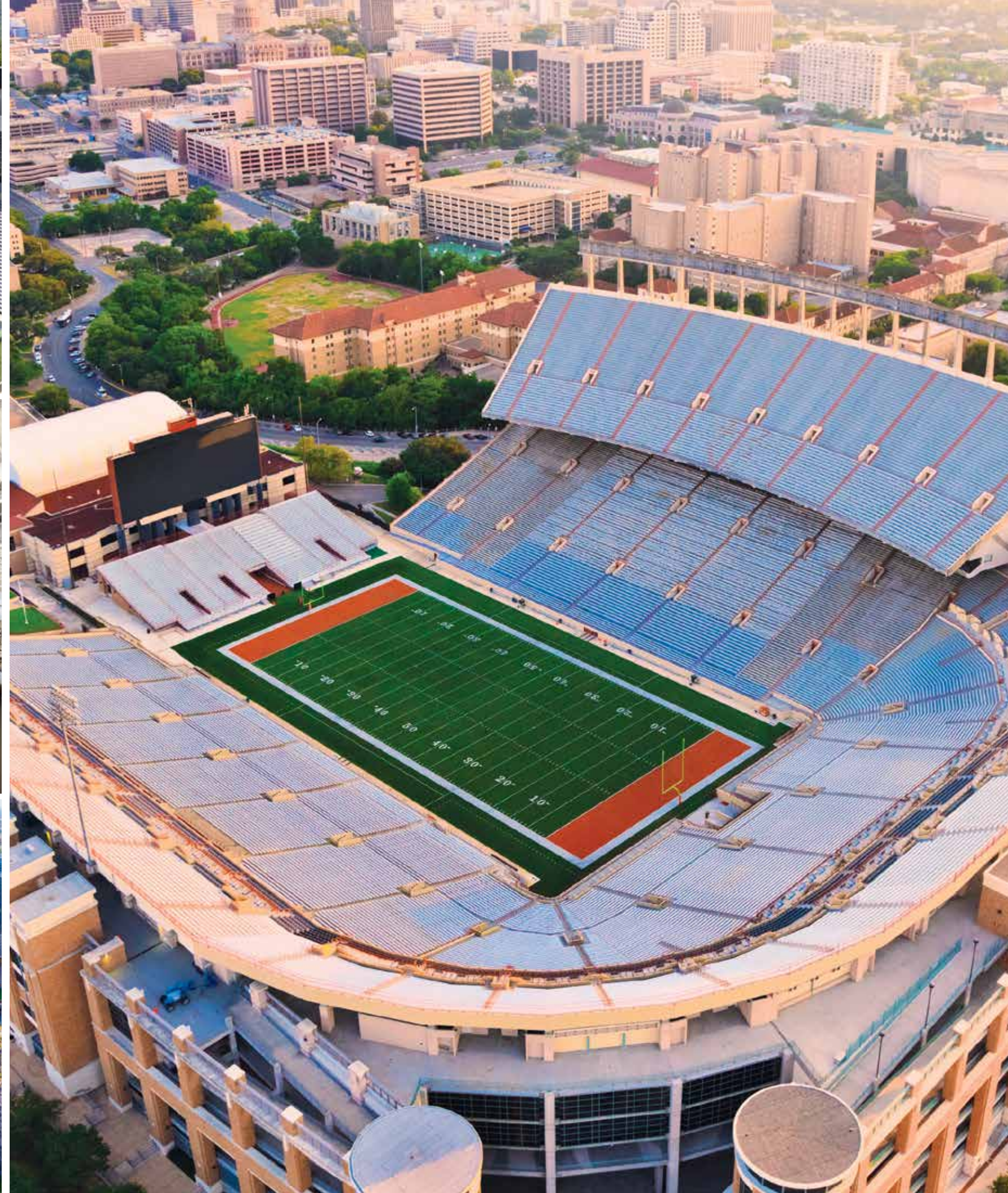
A single control protocol for multiple building systems

Reliable, retrofit solutions bring older buildings into code compliance and allow them to take full advantage of the Internet of Things without disrupting workflow or tearing open walls. Simple wireless lighting and shade solutions can be implemented over time and integrated into an enterprise solution to help protect historic interiors and preserve views.

Fully integrated solutions ensure centralized control of lighting, shades, and temperature throughout the building, as well as control of exterior and parking lot lighting, all accessible from a single user interface.

Spotlight:

University of Virginia, Charlottesville VA
Princeton University, Princeton NJ
Duke University, Durham NC
University of Washington, Seattle WA



Athletic Facilities and Recreational Centers

Supporting wellness and increasing student engagement

College stadiums and arenas have long been essential to the campus experience, but students are also increasingly focused on their own health and wellness, and schools are making recreation center upgrades a top priority. Studies have shown the effort has long-term rewards such as higher grades, better attendance, and improved social interactions.

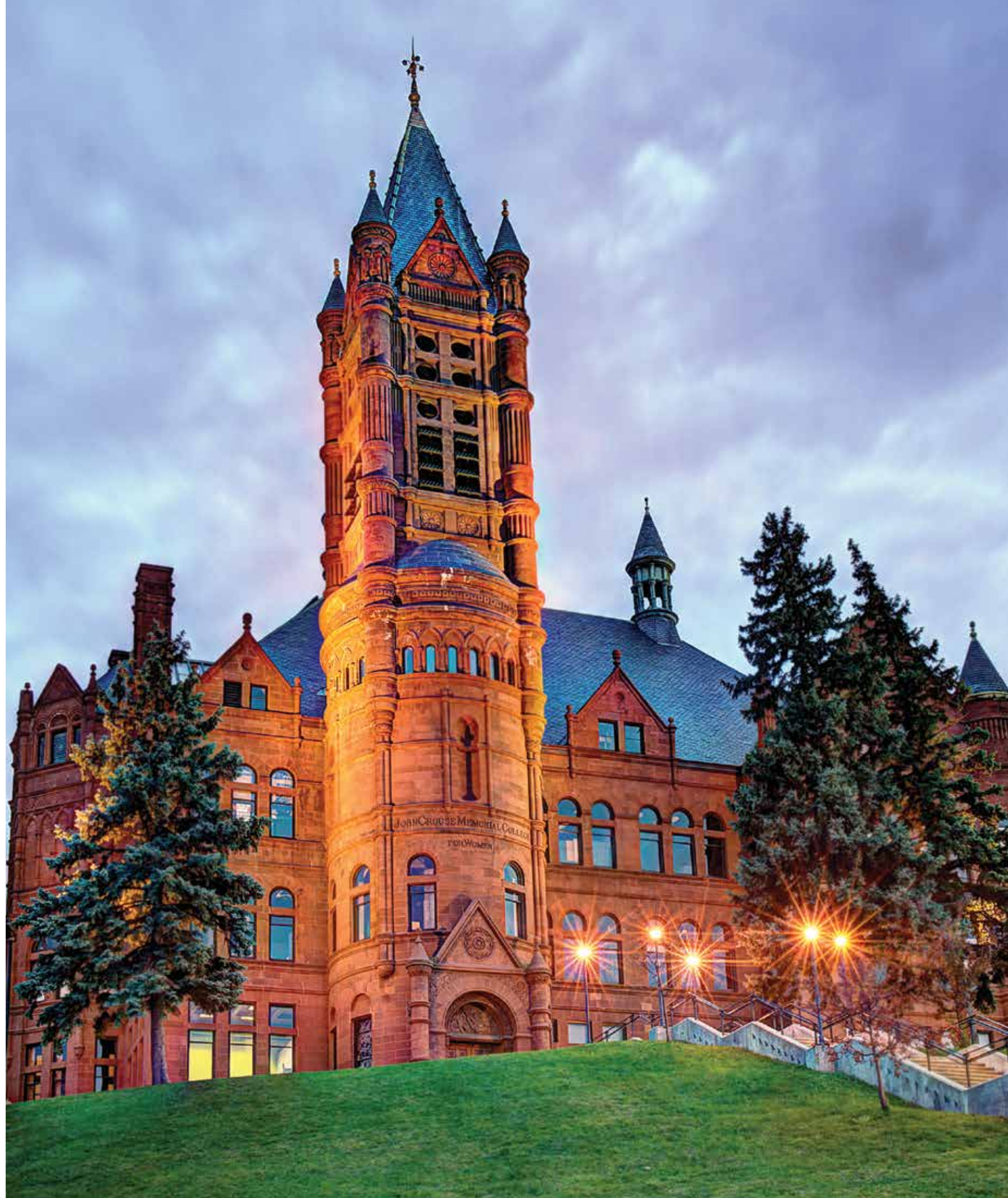
Automated solutions help you deliver a more comfortable, appealing environment

Whether you are renovating existing buildings or constructing a new, state-of-the-art facility, automated lighting, shade, and temperature control makes the space more aesthetically interesting, energy efficient, and sustainable.

From occupancy and daylight sensing in locker rooms and fitness centers, to fully automated, integrated control that simplifies maintenance and building management, Lutron solutions can be an integral part of enhancements to facilities that help attract and retain both students and staff.

Spotlight:

United States Military Academy, West Point NY
Moravian College, Bethlehem PA
Arizona State University, Tempe AZ
University of Texas, Austin TX



Parking Garages and Exterior Lighting

Enhancing wellness and improving student life

Lighting in outdoor spaces is a critical aspect of campus life — contributing to a more accessible, user-friendly, secure environment for the faculty, staff, student body and visitors. Integrating exterior fixtures into your centralized control solution enables single sign-on and navigation of both interior and exterior fixtures.

Single gateway control and management of exterior lighting

Limelight by Lutron, wireless outdoor lighting control solutions, provide remote control and management, helping to ensure code compliance and contributing to campus security initiatives.

As part of a campus-wide, smart building solution, exterior lighting can be part of an Enterprise Vue single data and management platform.

The high-density-mesh, wireless technology does not have to depend on a connection to the building network, and delivers reliable wireless performance even in challenging outdoor environments to provide quality light and peace of mind.

Spotlight:

Syracuse University, Syracuse NY
University of Georgia, Athens GA



More Efficient Campus Operations

Intuitive tools to help you easily monitor, analyze, adjust, and report on building performance.

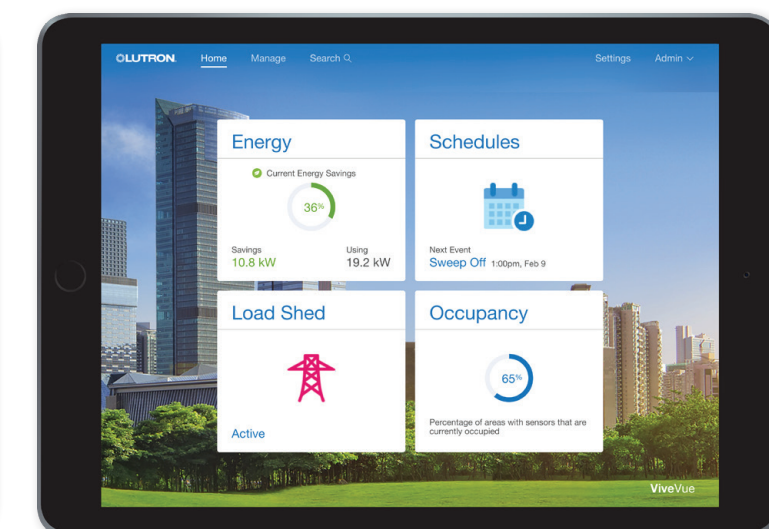
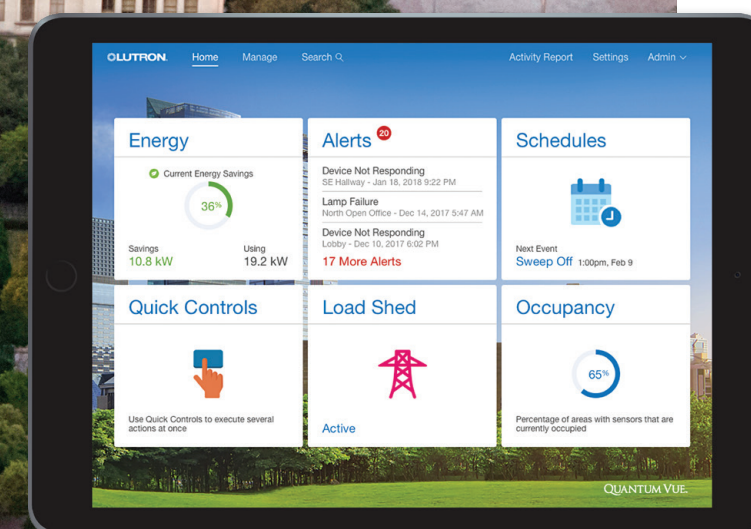
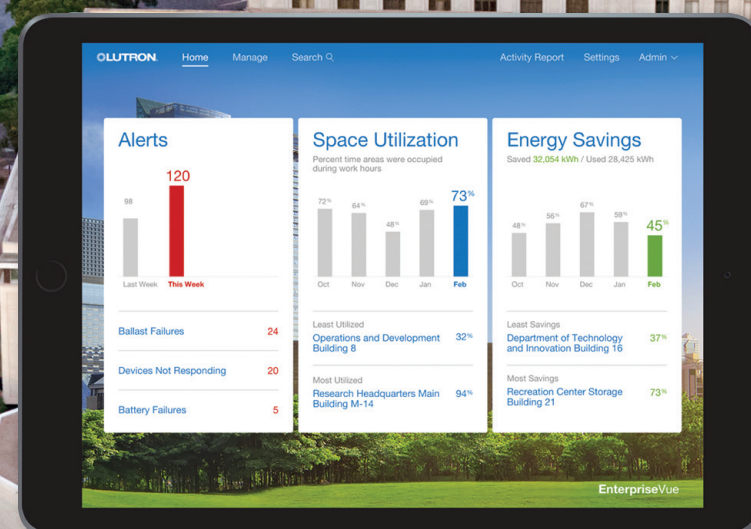
Your facilities team can access space utilization data, quickly implement lighting adjustments, and continue to monitor lighting performance from any smart device.

Simple-to-use software

Web-based interfaces deliver the same user experience across different smart devices to simplify training and system implementation.

Control from anywhere

Your facilities and maintenance teams can control and adjust system settings from within the space, or anywhere in the world to meet specific space requirements.



Enterprise Vue, Quantum Vue, and Vive Vue software offer simple user interfaces in each product platform.

Spotlight:
University of Texas, Austin TX

Connected Campus

Manage data and operations for multiple buildings – optimize asset utilization while reducing life cycle costs

- A single data and management platform for your connected buildings – interior and exterior lighting, shade, and temperature control solutions
- The system interface delivers a simple, consistent user experience from any PC or tablet
- Open, easy integration with BACnet and web APIs leverages the IoT to enhance smart-building performance



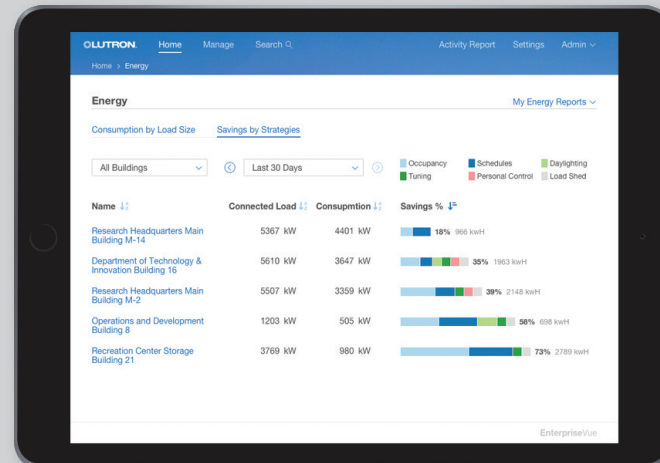
Enterprise Vue home screen

Simplifying Portfolio Management

Energy tracking

Energy savings tracked by strategy and space

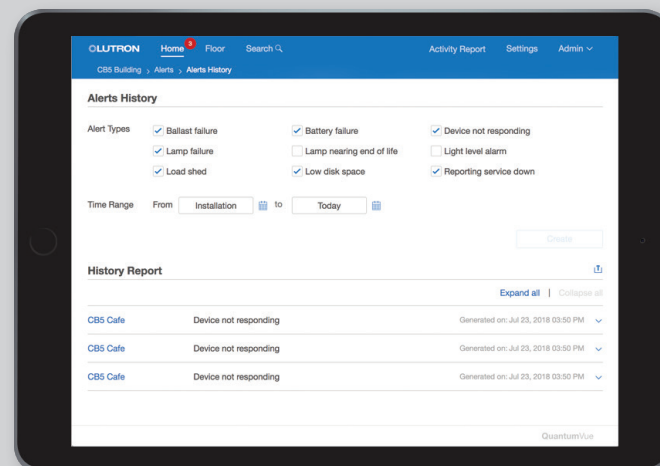
- Interactive reports enable a comprehensive look at campus energy use, helping you evaluate the specific performance of each strategy
- Reduce costs and drive better decision making



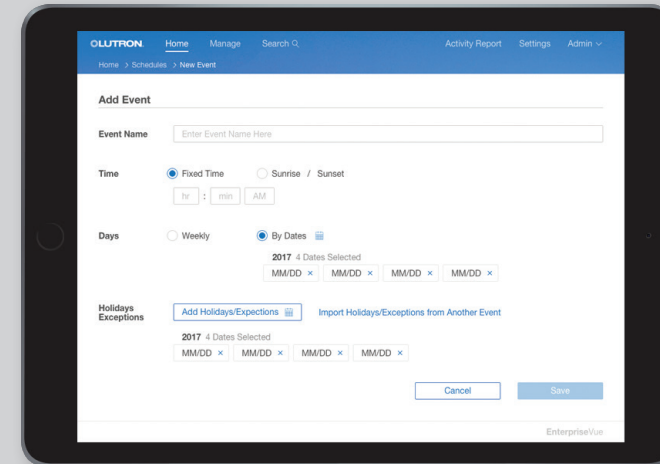
Customizable alerts

Allow your team to select which issues should be immediately emailed for attention

- Alerts can pinpoint exact location and nature of concern
- Alerts can include improperly functioning equipment, low batteries, lamp outages, load shed events, and more



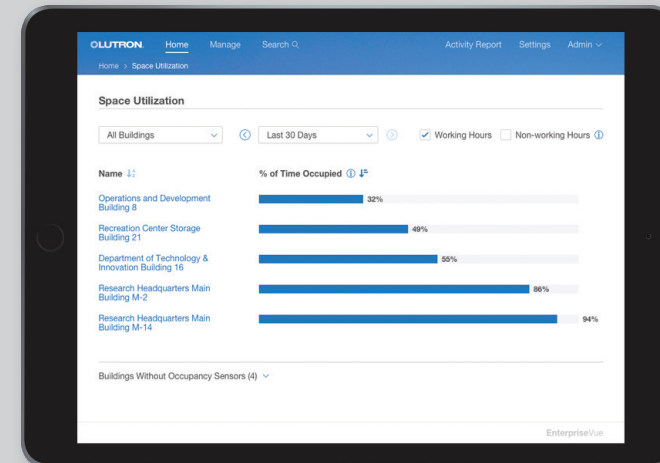
Lutron Enterprise Vue software offers powerful data analytics and intuitive reports — tools to help you create a more sustainable, forward-looking, efficient and secure campus. A wide variety of data-driven reports — system alerts, space utilization reports, and energy use information — help improve space layout, defer capital expenditures, and optimize portfolio performance.



Simple event scheduling

Modifying daily schedules for special events

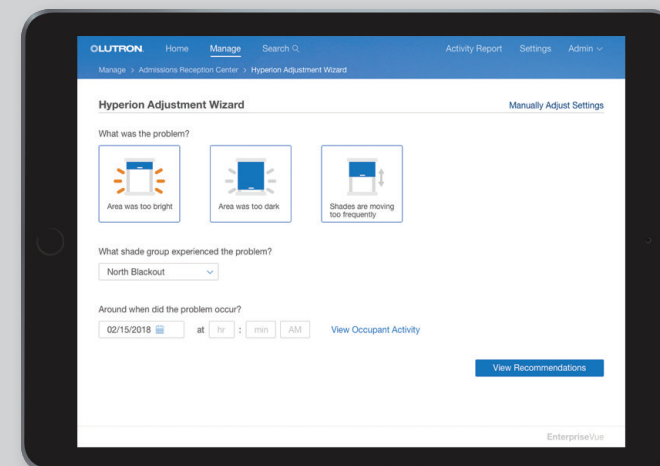
- Modify light settings for single events or recurring events
- Change functionality of sensors based on specific day or time requirements



Space utilization reports

Space utilization reports help optimize under-utilized areas

- Adjust building operations (e.g. cleaning schedules) based on space occupancy patterns
- Monitor and analyze occupancy trends with no need for third-party evaluations



Hyperion shade control

Increase comfort, productivity, and energy savings, while preserving views to the outside

- Maintain a glare-free environment to keep occupants comfortable
- Allow shades to be open more often to maximize views and daylight harvesting
- Ensure that shades receiving direct sun are closed during peak cooling periods

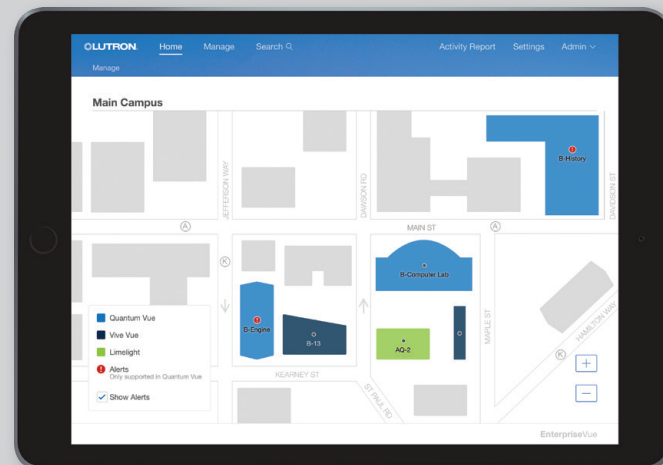
Streamline System Navigation

Actionable data and strategic reports help you quickly assess steps that you can take to Create the Right Environment across your campus. Enterprise Vue navigation ensures that system adjustments are intuitive and easy to implement with the level of detail you require.

Campus navigation

Visibility to all connected buildings

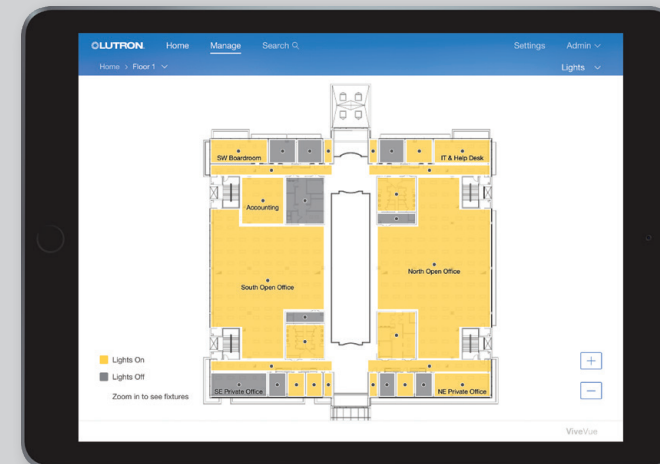
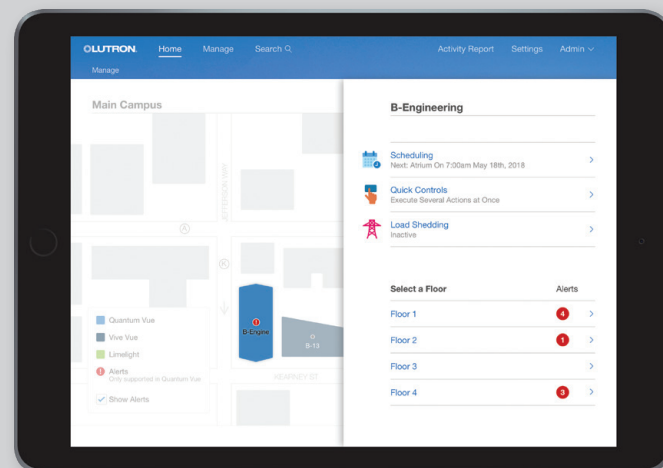
- All connected buildings on campus can be quickly identified on a campus map, and selected with just a touch of the screen
- A single user interface, software platform, and sign-on for all campus buildings streamlines system access



Target each floor within a building

From the building level to an individual floor, Enterprise Vue software guides your control experience

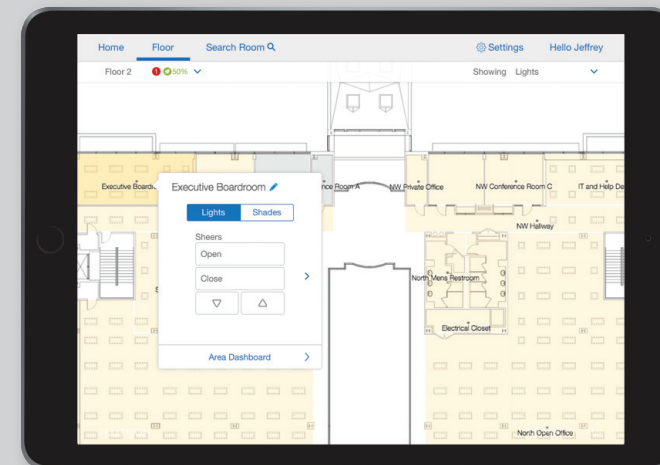
- Within a building, drive down to individual floors and spaces



Graphical floor plan

Monitor and adjust lighting and shades remotely

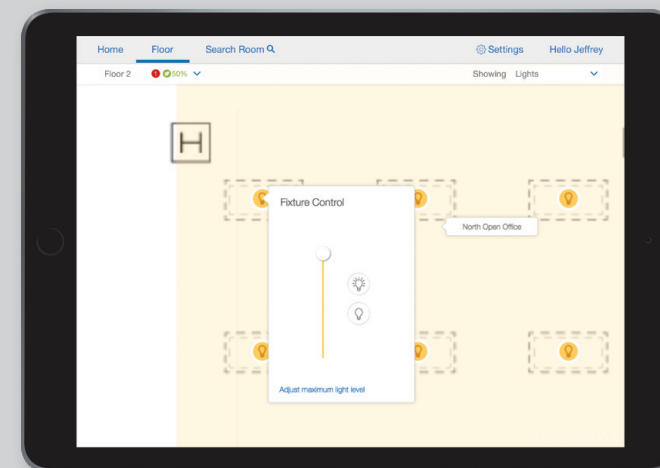
- View alerts, lighting status, occupancy, or energy usage on a floor plan
- Adjust floor layouts based on occupancy and energy use reports.



Room control

Monitor and adjust lighting and shades in each room

- Deliver the ideal lighting experience in any room and or any activity
- System scheduling will ensure that default settings automatically resume after a predetermined time



Fixture control

Deliver personalized lighting even at the fixture level

- Trim the brightness level for individual fixtures to meet occupant preferences
- Identify and resolve issues quickly and efficiently with individual fixture monitoring with Lutron EcoSystem

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Lutron Electronics Co., Inc., 7200 Suter Road, Coopersburg, PA 18036-1299

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Online: lutron.com/help | Email: support@lutron.com | Phone: 1.844.LUTRON1 (588.7661) — includes 24/7 technical support

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