

Case Study - Washington State University

Pullman, Washington

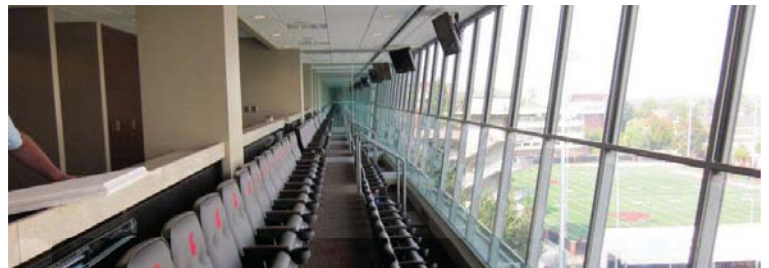
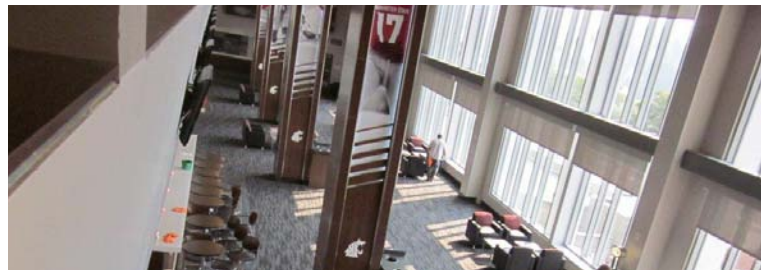


Photo Credit: © Robert Hubner

Cooper Lighting
by **EATON**



Martin Stadium - Photos Courtesy of WSU Facilities Services



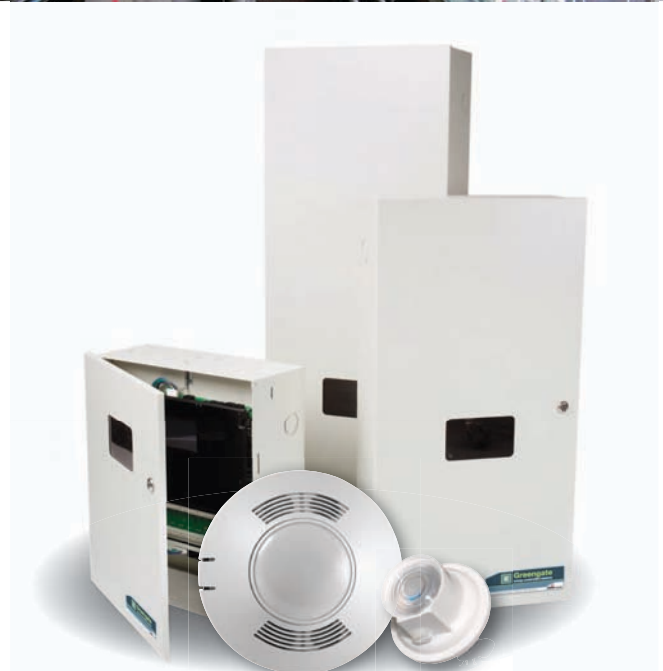
The Versatile Lighting Control Solution

The Washington State University (WSU) campus in Pullman, Washington is a nationally recognized research university comprised of over 630 buildings that offered more than 200 fields of study to nearly 20,000 students in the 2013 academic year, and the campus is growing. Many new construction and renovation projects have been recently completed, are ongoing or are in planning. These new additions are diverse in function, ranging from a renovation of Martin Stadium, to a new residence hall, to the recently completed Veterinary and Biomedical Research building. One commonality shared between these buildings, and many others on the WSU campus, is the lighting control system.

“WSU has had a relationship with Greengate for 10 years and we continue to recommend this control system and what it can offer.”

- Brian Funke, Construction Manager, Washington State University

The Greengate lighting control system from Eaton's Cooper Controls business offers WSU an energy management solution that can accommodate the specific needs of a wide variety of spaces with the same key lighting control components: the Greengate lighting control panel, the Greengate occupancy sensor and the Greengate photosensor. The system offers the proven reliability trusted by both construction and facilities teams at WSU for nearly a decade, impressive customization that can meet the unique and changing needs of a first-rate research facility and the energy management prowess to be used in buildings trying to attain LEED™ certification.



Greengate® Energy Management Lighting Control Products

Martin Stadium Renovation

Greengate lighting controls are found throughout the recently renovated home of the WSU Cougar football team, Martin Stadium. From the press box, to the parking lots, club seats, concession spaces and bathrooms, Greengate lighting controls are responsible for almost all of the illumination in the interior and exterior areas of the Southside gateway.

“The Greengate lighting control system can be tailored to fit the lighting needs of very different spaces, from a football stadium to a state-of-the-art research lab.”

- Brian Funke, Construction Manager, Washington State University



Biotechnology and Life Sciences Building - Photo Credit: © Robert Hubner

The Biotechnology and Life Sciences Building

This state-of-the-art building contains exceptional research laboratory facilities, office space for faculty and postdoctoral students, and common support spaces. Designed for scientists and students to conduct cutting-edge research and encourage learning throughout the day and into the night; the lighting control system is integral in ensuring that lights are on when spaces are occupied and off when empty, satisfying building codes and minimizing energy waste.

“We combine the timeclock control from the lighting control panel and occupancy sensors to execute the full sweep off, required by Washington building codes, without leaving people in the dark.”

- Brian Funke, Construction Manager, Washington State University

The Veterinary and Biomedical Research Building

The Veterinary and Biomedical Research Building (VBRB) provides highly specialized, environmentally controlled, state-of-the-art biomedical research space. The lighting control system in this building is critical in creating the right environment for the animals in the holding facility. The Greengate system consistently provides a pre-determined light level at scheduled times throughout the day. This customization and regularity is an important aspect of the research performed in this facility.

“Program directors customize the lighting control to best fit the needs of the space and the research. The Greengate system can be tailored to deliver whatever lighting levels and schedules are necessary.”

- Brian Funke, Construction Manager, Washington State University

The Northside Residence Hall

This new 300-bed residence hall was designed to satisfy LEED green building criteria. Emphasis was placed on using natural daylight and improving the energy efficiency of the lighting system. For example, the building features a glass-walled lobby that allows ample daylight into the common space and, with the use of Greengate daylight sensors, electric light levels are reduced when daylight is available - saving energy.



Veterinary and Biomedical Research Building
Photo Courtesy of Washington State University

Eaton's Cooper Controls Business

Headquarters
203 Cooper Circle
Peachtree City, GA 30269
P: 800-553-3879
P: 800-954-7016
www.coopercontrol.com

International Headquarters
Usk House, Lakeside
Llantarnam Park
Cwmbran, NP44 3HD UK
P: +44 1923 495495
F: +44 1633 867880

Canada Sales
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

Our Controls Product Brands

Greengate
iLumin
Zero 88
Fifth Light Technology
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Fail-Safe
MWS
Ametrix
Shaper
io
Lumark
McGraw-Edison
Invue
Lumière
Streetworks
AtLite
Sure-Lites

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

600 Travis, Ste. 5600
Houston, TX 77002-1001
P: 713-209-8400
www.cooperindustries.com

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