



Boy Scouts of America Flag Plaza

Project Location: Downtown Pittsburgh, PA

Case Study: #203

Project Summary:

- Project consisted of a total LED lighting retrofit utilizing a mix of LED lamps and fixtures on a three story building. This project also includes a Leviton Omni LTE automation system that was installed in the Bi Centennial room to control the lighting for presentation purposes. The lighting retrofit project included all interior and exterior lighting.

Project Scope:

- George R. Smalley Co. conducted an energy audit at the facility and found that there were a number of outdated energy inefficient lighting technologies in place. We then formulated a solution utilizing LED lamps and fixtures that would greatly reduce the energy consumption and maintenance costs.
- Also at the time of the audit we were shown an outdated control system that was having maintenance issues. This system was obsolete and replacement parts were no longer available. Our solution was a Leviton Omni LTE panel that can be virtually controlled from a cell phone or tablet from any location. This new control panel is 1/10 the size of the previous panel and can control up to 165 different loads.

- George R. Smalley Co. is an allied energy partner with Constellation Energy, and through this partnership we were able to offer this project through Constellation Energy's Efficiency Made Easy (EME) program. The EME is a program where qualified clients experience a no upfront capital / on bill financing scenario.

Project Results:

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|------------------------------|-------------|
| • Project cost: | \$60,271.00 |
| • Rebate from Duquesne Light | \$5,002.00 |
| • Annual KWH reduction | 76,232 KWH |
| • Annual electric savings | \$6,892.00 |



Existing Control panel



New Leviton LTE Panel