MARKET: Education
SOLUTION: Design & Energy Efficiency

CASE STUDY:

Servidyne Assists Johnson Controls, Inc. with University of South Carolina's Energy Efficiency Initiatives

With initiatives to save energy and improve the school's environment, the University of South Carolina contracted with Johnson Controls, Inc. for energy management services and campus improvements. As part of this contract, Lighting Upgrades and Retrofits were to be performed. Johnson Controls turned to Servidyne for their expertise in the lighting portion of the contract. Servidyne partnered with Johnson Controls on this project which at the time was one of the largest performance contract energy efficiency projects in the United States.

The Lighting Challenge:

The University of South Carolina (USC) is a public university located in Columbia, South Carolina. Chartered in 1801 as a single building, the university now occupies more than 155 facilities on 358 acres.

More about the USC project:

- More than 10 million sq. ft. surveyed
- 98 facilities retrofitted with new energy efficient lighting equipment
- 9,734,581 annual kWh savings for USC
- Servidyne completed the project on time and under budget

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Servidyne was tasked with a large lighting retrofit project that had a short timeframe. With numerous campus facilities, Servidyne had to complete engineering surveys on more than 10 million square feet of space in just 4 months time. Due to the age and variety of buildings, a customized lighting program was needed to optimize energy efficiency strategies while enhancing student and faculty comfort.

Furthermore, strict environmental standards needed to be followed regarding the removal of debris and recycling of old lamps and ballasts in an environmentally friendly way.

The Solution:

Servidyne provided standardized lamp and ballast solutions across the campus maximizing energy efficiency while improving the quality of the lighting. Servidyne produced final contract documents to maximize the lighting energy savings.

A total of 165 facilities were surveyed including libraries, gyms and classrooms. Of that, 98 facilities were retrofitted with nearly 53,000 energy efficient lighting fixtures. Servidyne's turn-key approach included surveys, engineering design, upgrades, debris removal and recycling.

The lighting project resulted in 9,734,581 annual kWh savings for the University of South Carolina. In addition to the financial savings, the lighting efficiencies performed by Servidyne provides a benefit received by all – an environmental equivalent of planting almost 3,000 acres of trees, removing nearly 1,400 automobiles off our roads, and saving 885,000 gallons of gasoline.

About Servidyne:

Established in 1925 and operating nationwide and internationally, Servidyne provides comprehensive energy efficiency solutions, sustainability programs, and other building performance enhancing products and services to building owners and operators, and engages in commercial real estate investment and development. The Company's building performance products and services enable customers to optimize the short-term and long-term financial performance of their building portfolios, while reducing their carbon footprints and improving the comfort and satisfaction of their buildings' occupants. These offerings include comprehensive sustainability programs, energy engineering and energy management analytical consulting services, turnkey implementation of energy savings and other infrastructure upgrade and retrofit projects, and proprietary Web/wireless preventive maintenance and service request systems with integrated utility and maintenance reporting. The Company also owns or controls shopping centers in the Midwest and Southeast and office properties in metropolitan Atlanta, Georgia. For more information about Servidyne, please visit www.servidyne.com or call 770-933-4200.

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