

## PROJECT SCOPE

~10,000 LED Fixture Update

Full Building Automation  
System Replacement

Facility, Construction,  
Finance, Management Team,  
and Board Collaboration

## RESULTS

### LED UPGRADE

\$396,045 Annual  
Energy Savings

\$188,588 Annual  
Maintenance Savings

\$39,663 HVAC Savings

3.04-Year ROI Payback

2,084, 451 kWh  
Saved Annually

287 kW Demand Savings

### BMS UPGRADE

\$314,842 Annual  
Energy Savings

\$20,721 Annual Gas Savings

3.18-Year ROI Payback

1,657,061 kWh  
Saved Annually

24,464 kW Therms  
Saved Annually

## INTERCHURCH CENTER

### PROJECT SUMMARY

Business: The Interchurch Center

Business Type: Class-A Office Facility

Location: New York, NY

The Interchurch Center is a 604,557 square-foot high rise building located in New York City that is home to more than seventy community development, educational, intercultural, and religious organizations. The building, which has a rich history dating back to the 1950's, when President Dwight D. Eisenhower laid the first cornerstone, needed a comprehensive lighting upgrade and full replacement of its dated and nearly obsolete building automation system.

### PHASE ONE – LED LIGHTING UPGRADE

IoEnergy replaced approximately 10,000 fixtures throughout the 19-story building. The upgrade improved the general aesthetic, while also updating the lighting technology and delivering nearly \$585K in annual energy and maintenance savings.

### PHASE TWO – BUILDING AUTOMATION SYSTEM UPGRADE

IoEnergy also performed a total replacement of the Interchurch Center's building automation system. The incredibly complex project required significant engineering and research into all of the building's processes and operations, including thousands of building management control points. IoEnergy collaborated with the BAS engineering personnel, facility managers and c-level decision makers to address all functional needs, while also meeting energy savings and project financing objectives. The new BAS, built upon flexible, brand agnostic technology, is designed to evolve over time. Further, it replaced an outdated, propriety system that was incompatible with many of the latest developments in BAS tech and could only be serviced and updated by the proprietary developer.



*"It was an honor to work on such an historic structure. We are thrilled to be able to deliver nearly one million dollars in annual operational savings for a building that houses so many worthwhile organizations. Plus, the new building automation system we put in is such an improvement over what was there, not only in terms of functionality, but also in longevity and compatibility with future technology upgrades, that Interchurch is now ready for whatever comes down the pike." -Len Pisano, IoEnergy Director, Strategic Accounts*

**831-298-0048**  
[www.ioenergyinc.com](http://www.ioenergyinc.com)