

Higher education

Control equipment



Southeastern Louisiana
University

\$129,760
in incentives

Estimated
\$70,033
saved annually

Estimated
875,420 kWh
saved annually



Southeastern Louisiana University – Hammond, LA

Project summary: Southeastern Louisiana University is the third-largest public university in the state, serving nearly 15,000 students and offering more than 150 programs of study.

Synergy Building Solutions, working in conjunction with Southeastern Physical Plant, identified three buildings with obsolete global controllers and inefficient pneumatic controls equipment. Installation of new direct digital control (DDC) equipment and strategic equipment scheduling result in reduced energy consumption.

Challenge: The chilled water system, hot water system and airside equipment lacked thorough control due to the outdated pneumatic equipment and longer hours of operation. North Campus Main Building operates in a standalone water loop while the Music and Music Annex buildings are in a loop with three other buildings. In both scenarios, equipment run time and outdated equipment control play a role in energy consumption and building comfort.

The Entergy Solution: New control equipment was installed to manage the chilled water system, using variable frequency drives to control the water flow. Additionally, a new schedule was implemented, reducing the hours of operation by 54% from the original usage.

Temperature and airflow reset strategies were also implemented, allowing the HVAC system to adjust cooling and heating setpoints when spaces were satisfied – resulting in lower energy consumption by reducing total airflow and the cooling load on the central plants.

“Southeastern’s continued partnership with Entergy and Entergy Solutions has allowed the University to upgrade several building HVAC control systems this year. These upgrades have improved the classroom learning environment for our staff and students while also reducing electrical cost, reducing kWh consumption and contributing to Southeastern’s sustainability efforts.”

William Wainwright, Ph.D.
Southeastern President

Act now to reduce energy costs and improve facility control. Visit entergysolutionsla.com or call **844-829-1300**.