

Madonna University, Livonia, Michigan



Project Value: \$3,138,096

Period: Construction 2018

Lifecycle Savings:

\$2,447,009

Utility Rebates: \$30,111

Annual Savings: \$129,225



Challenges

- Aging infrastructure
- Deferred and reactive maintenance
- Uncomfortable learning and teaching environment

Solution/portfolio

- New HVAC system in Academic Building 2400 Wing (VR System)
- Upgraded pneumatic controls to digital controls
- Campus-Wide LED lighting upgrade
- Damper and steam trap replacements
- Add variable frequency drives
- Correct mechanical deficiencies
- Expand building automation system

Benefits/value to customer

- Comfortable, temperature controlled classrooms and offices
- Improved lighting system and increased light levels
- Reduced maintenance
- Maintenance shift to proactive
- Sustainability education and engagement for students

SIEMENS

Ingenuity for life

115 metric tons
of natural gas

778 metric tons
of electricity

SAVED

