



Commercial & Industrial Energy Efficiency & Electrification Program

Success Story: The Museum of Modern Art

Customer
The Museum of Modern Art

Participating Contractor
Grumman Butkus Associates

Location
Manhattan



The Museum of Modern Art

Overview

The Museum of Modern Art (MoMA), at 11 W. 53rd St. in New York City, is one of the largest nonprofit contemporary art museums and a leading educational institution in the United States. It houses approximately 200,000 works of art, film, and printed materials. Many of its holdings are irreplaceable and regularly loaned worldwide, so the museum must maintain precise temperature and humidity control in a facility that runs continuously.

The museum sought to improve energy efficiency without compromising its strict environmental requirements, where even minor fluctuations could put artwork at risk. Supported by **Con Edison's Commercial & Industrial Energy Efficiency & Electrification Program** incentives, the project enhanced the Building Automation System (BAS) to improve visibility, control, and performance by integrating leak detection, expanding conservation-level environmental data logging, and adding energy metering and monitoring.

Advanced fan control sequences were implemented across six air-handling units to optimize airflow and fan performance while maintaining rigorous environmental conditions. These **upgrades resulted in total energy savings of 26,957 MMBtu** while preserving museum standards, demonstrating that even facilities with demanding requirements can achieve meaningful efficiency gains when solutions are carefully aligned with their mission.

The Museum of Modern Art

Highlights

First-Year Total Energy Use Reduction:*	Annual Electricity Reduction:	Annual Steam Reduction:
24%	12%	30%
Annual GHG Savings:**		Con Edison Incentive:
2,125 MTCOe		\$1,000,000

* Compared to pre-retrofit use

** Compared to baseline design

Energy-Efficiency Upgrades

- Advanced fan control sequences implemented across 100 air handling units
- Building Automation System (BAS) enhancements to improve visibility and control

Testimonial

“At MoMA, precise environmental control is crucial to preserving our collections and serving our visitors.

The new BAS system improved efficiency, cut energy use and costs, and strengthened performance without compromising our standards.

We’re grateful to Con Edison for the partnership that made these outcomes possible.”

— Jean Savitsky, Director, Real Estate & Construction,
The Museum of Modern Art

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