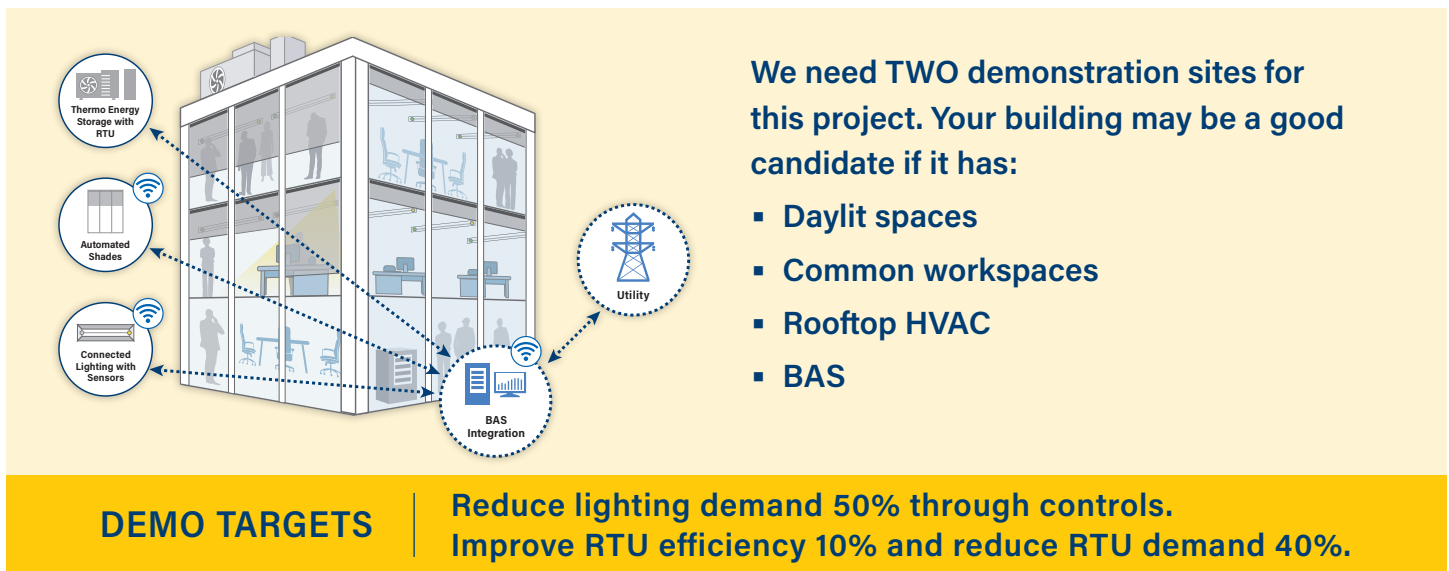


Showcase cutting edge technology

Field demonstration sites needed to test integrated building controls

The Department of Energy, Building Technologies Office contracted with Slipstream to develop and demonstrate integrated controls of connected lighting, automated shades, and intelligent energy storage systems for maximum building load flexibility.



Benefits of participating

- State-of-the-art energy systems and controls
- Free 5-ton hybrid air conditioner + thermal energy storage
- Reduce demand charges
- Improve energy efficiency
- Reduce energy cost
- Marketing opportunity
- DOE incentives available

Ideal building candidates will...

- Have connected lighting and automated shades, or
- Be willing to retrofit existing lighting and shades
- Have a substantial amount of daylight and large common workspaces
- Have rooftop unit for heating and cooling, or AHU and terminal units with a traditional thermal storage
- Have a building control system that can communicate with other energy systems using BACnet
- Have support from the building owner and facility management

Please contact us if you are interested in becoming a demonstration site.

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→ slipstream

PARTNERS

Acuity Brands.

CREE LIGHTING
A COMPANY OF IDEAL INDUSTRIES, INC.

Mecho
INNOVATIVE DESIGN. TRUSTED PERFORMANCE.

NETenergy

Lighting, shades, and thermal storage



Acuity nLight/nLight Air and Cree SmartCast

DESCRIPTION

- Connected/Networked lighting system
- Wired or wireless
- Luminaires with individual occupancy and photo sensors

BENEFITS

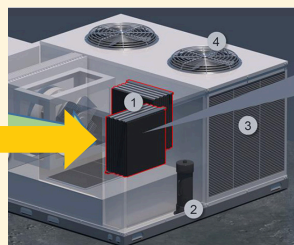
- Automated demand response
- Improve occupant comfort and reduce electric lighting peak demand

Thermal Battery



NETenergy
Black Ice™ Technology

Commercial Integration



Integrates to Build Hybrid AC
+ Thermal Energy Storage

NETenergy Intelligent Thermal Storage

DESCRIPTION

- Phase Change Material (PCM)
- Integrates to Rooftop Units (RTU)

BENEFITS

- Load-shedding and load shifting
- Reduce carbon emissions
- 10% RTU efficiency improvement and 40% demand reduction

Mecho SolarTrac 4.0

DESCRIPTION

- Automated shades

BENEFITS

- Prevent glare and maximize daylight
- Optimize seasonal building performance
- Reduce HVAC peak load

