



Nostromo Energy has developed the most cost-effective, safe and clean Thermal Energy Storage system available, based on water.

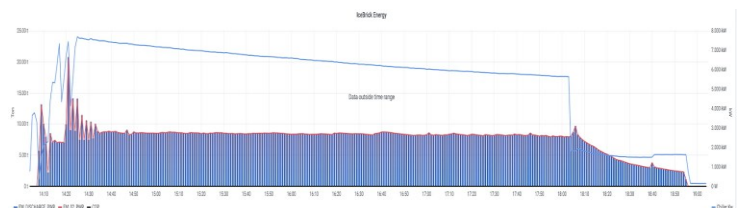
Commercial HVAC (Cooling) systems are the largest single consumer of energy on the electric grid. As temperatures rise, the need for cooling is growing day by day. Nostromo's Ice-based energy storage system reduces energy costs, enhances commercial building resilience and lowers carbon footprint.

NOSTROMO'S SYSTEM IN A NUTSHELL

Commercial cooling systems consume up to 70% of the peak electric load of commercial buildings. Nostromo's next generation Ice-based TES (Thermal Energy Storage) stores energy during off-peak hours/surplus solar and uses it for cooling during peak hours. The system is environmentally friendly. Its proprietary cells are based on water and can last 20 years with no degradation.

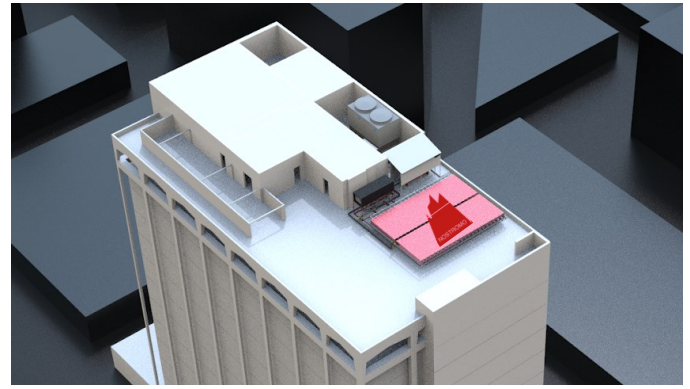
Nostromo's TES is a great solution for Data centers, office buildings, hotels, manufacturing facilities, shopping malls, cold storage and any HVAC system with a cooling capacity of 200 TR and above.

High performance. Nostromo's system uses a novel encapsulated ice technology that has unprecedented round-trip efficiency and can discharge 95% of the stored energy within 4 hours at a very stable rate.



Minimal Real Estate Footprint. The system's energy density per square foot is significantly higher than other TES technologies and it can be installed on most rooftops.

Designed for both new builds and retrofits. The installation requires a single connection point to the existing HVAC system.



BENEFITS

Transform the building's cooling system into an energy-storage asset with economical, operational, environmental, and social benefits.

ECONOMICAL

Reduce the electricity costs for cooling by up to 30%

HVAC System rightsizing - Avoid expansive cooling capacity - Significant CAPEX and OPEX expenditures savings.

Utility and regulatory incentives.

Tax Incentives

HVAC systems last longer and operate more efficiently.

SOCIAL

Promote Environmental, Social and Corporate Government (ESG) goals, receive LEED points and boost positive social media exposure. In short:

Cooling global warming



A Nostromo system can provide grid relief to 250 neighboring homes.

OPERATIONAL

Cooling Resilience. Nostromo's system provides a back up for your existing HVAC system.

Reliability. Reducing the load of the backup generator during outages.

Advanced energy management capabilities via a cutting edge application.

ENVIRONMENTAL

Charge more EVs Without investing in expensive infrastructure upgrades.

Reduce the facility's carbon footprint.

Extend solar beyond sunset – Enable solar energy power all cooling demands 24 hours a day.

Safe and 100% Recyclable.

WHY CHOOSE ICE STORAGE OVER LITHIUM?

LITHIUM-ION STORAGE	NOSTROMO STORAGE
Safety Risks Requires hazardous materials regulations.	Safe Can be installed anywhere
Degradation 30-40% over 10 years.	No degradation Water doesn't degrade
High environmental impact & very challenging to recycle.	100% Recyclable

