Doing our part for a sustainable downtown Brooklyn

370 Jay pursued both LEED Core & Shell (for the base building) and Commercial Interiors for the floor fitouts. We’re proud to say that we received the coveted **Platinum status with 60 LEED points**, including:

- **Water Efficiency**: reduced our use of fresh water by more than 40%
- **Energy**: reduced energy cost 46% with efficiency and microturbine
- **Site & Location**: reduced urban heat island effect with a green roof, and enhanced public transit connections
- **Indoor Environmental Quality**: focused on the comfort of occupants to support the pursuit of academic excellence
- **Materials & Resources**: reduced the embodied energy and carbon of the project by re-using an existing structure instead of building new

Learn more: [nyu.edu/sustainability](http://nyu.edu/sustainability)

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A Forward-Facing Facade

NYU's design team explored replacing the building's limestone facade with a glass curtain, but restoring the limestone preserves the neighborhood's aesthetic character and is vastly more environmentally sustainable. Energy efficiency retrofits will decrease strain on local utilities and sustainable building practices will save some 4,000 cubic yards of debris from the landfill. That's 133 30-yard dumpsters!

Sustainable Features

- A one-megawatt Microturbine behaves as a local high-efficiency/low-waste source of electricity, similar to a co-generation plant, and allows new facilities to come online within the building without adding strain to the city's grid. This microturbine's waste heat energy is be re-captured and recycled within the building to supplement the Heating Ventilation and Air Conditioning (HVAC) system.
- Over 1,000 high efficiency windows with solar shading devices reduce the reliance on air conditioning and to reduce energy consumption.
- Annual utility usage reduced more than 37% thanks to a “dedicated outdoor air” system with heat recovery and controls.
- The building lighting system utilizes daylight harvesting. Sensors within the lighting system read the amount of natural light coming into a space and automatically dim down the electric lighting levels in response to how much natural lighting is coming into the building. Green roofing and reflective rooftop surfaces reduce the heat island effect.

Site Strategies

NYU is serious about revitalizing 370 Jay Street as a vibrant hub for neighborhood life, with renovation strategies including:

- Updating the north and south arcades.
- Reactivating long-dormant retail spaces along Jay Street and Renaissance Plaza.
- Repurposing the Willoughby Street loading dock for CUSP's Citizen Science program.
- Enhancing transportation connections.
- Installing high-performance lighting at entrances.
- Investing in a public plaza with vegetation.

Energy Storage

A massive thermal ice storage system allows the University to use electricity during non-peak energy usage times to create ice, which will then be melted by the waste heat generated during the air conditioning cycle during peak energy usage times. This cycle of creating ice using low cost energy and passively melting it during peak electric usage times will be carried out in cycles every day, alleviating pressure on the local electric utility.