

GEATAIN ENGINEERING

CASE STUDY-THE PAPER FACTORY HOTEL



BACKGROUND

The Paper Factory Hotel is located in the heart of Long Island City at 36th Street between Northern Boulevard and 37th Avenue. The boutique property recalls its industrial past, in this case with reclaimed wood ceilings, bare cement floors, and floor lamps constructed from plumbing pipes. The Paper Factory hotel is a destination for those traveling for leisure and business.

HOW GEATAIN ENGINEERING HELPED

Geatain Engineering implemented the following step-by-step analysis:

- Worked closely with manufacturer and contractor to dovetail electrification solution to property characteristics.
- Determined building envelope tightness with several different tests to determine building specific heat loss.
- Input from Property Engineer proved invaluable to streamline assessment, evaluation and recommendations.

BENEFITS

- Advanced heating controls show real time energy usage and historic trends to help identify savings opportunities.
- Identified hidden opportunities for occupants to lower energy costs.



CHALLENGES

- Rooftop solar implementation.

SOLUTIONS

- LED lighting.
- DHW temperature.
- BMS/heating controls.
- Rooftop solar.
- Cogeneration.

LIFECYCLE SAVINGS

\$ 1,706,000

For more information,
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