

### THE AIRPORT CHALLENGE

Transform New Terminal One into a resilient airport that can function off-grid during power disruptions and stabilize energy costs over the long-term.

### THE SOLUTION

Integrated 11.34-megawatt microgrid comprised of :

7.66 MW rooftop solar,

3.68 MW fuel cells,

2MW/4Wh battery energy storage,

A circular waste heat to chilled water system

Consists of four power islands

The AlphaStruxure Integrate digital platform manages the microgrid performance and operations in a cyber-secure environment

### THE RESULT

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Largest rooftop solar array in New York City

38% decrease in immediate greenhouse gas emissions over source energy

100% airport operations during power disruptions and the first fully resilient airport transit hub in the New York region

Compliance with ambitious New York State, City, Port Authority sustainability mandates

Long-term cost predictability

