



REGENERATION SERIES: BUILDINGS

Building Energy
Infrastructure Retrofits

MAY 29 2024



An aerial view of a city skyline at sunset, with a semi-transparent overlay. The overlay is split into a white left half and an orange right half. The text is centered on the overlay.

ECOSYSTEM

Reconnecting People
with Results

295
PROJECTS



ECOSYSTEM

Reconnecting People
with Results

1,785
BUILDINGS

An aerial photograph of a city skyline at sunset. The sky is filled with soft, golden light and scattered clouds. The city below is a dense collection of skyscrapers and buildings, with the sun's glow creating a hazy atmosphere. A semi-transparent white and orange overlay is positioned in the center of the image, containing text.

ECOSYSTEM

Reconnecting People
with Results

\$663M

ENERGY SAVINGS



ECOSYSTEM

Reconnecting People
with Results

985K

mTONS AVOIDED GHG

OUR EXPERTISE



Decarbonization

Reducing your greenhouse gas emissions



Engineering to Solve Problems

Challenging convention to implement creative solutions that deliver targeted outcomes



Project Management

Seamless implementation from design to verified performance



Start-Up & Commissioning

Maximizing performance and mitigating long-term issues



Training & Communications

Collaboration with staff and your community to enhance project value



Measurement & Verification

Analyzing results to ensure long-term satisfaction

An aerial, high-angle view of a dense city skyline, likely New York City, with numerous skyscrapers and buildings. The image is slightly hazy or overcast. A white rectangular text box is centered in the middle of the image, containing the main title and a statistic.

PROBLEM STATEMENT

26-70% GHG emissions
come from buildings

An aerial photograph of a vast solar farm. The rows of solar panels stretch across the landscape towards a horizon where the sun is setting, creating a warm, golden glow and lens flare. The panels are arranged in a grid pattern, and the overall scene conveys a sense of clean, renewable energy.

THE SOLUTION

Increasing Initiatives
& Renewable Energy

BUILDING RETROFITS & DECARBONIZATION





**THE TECHNOLOGY
EXISTS TODAY**



WHICH OF THESE ARE HEAT PUMPS?



FLOW OF ENERGY



COLD



HOT

FLOW OF ENERGY WITH HEAT PUMP



SOURCE (COLD)

ENERGY



SINK (HOT)



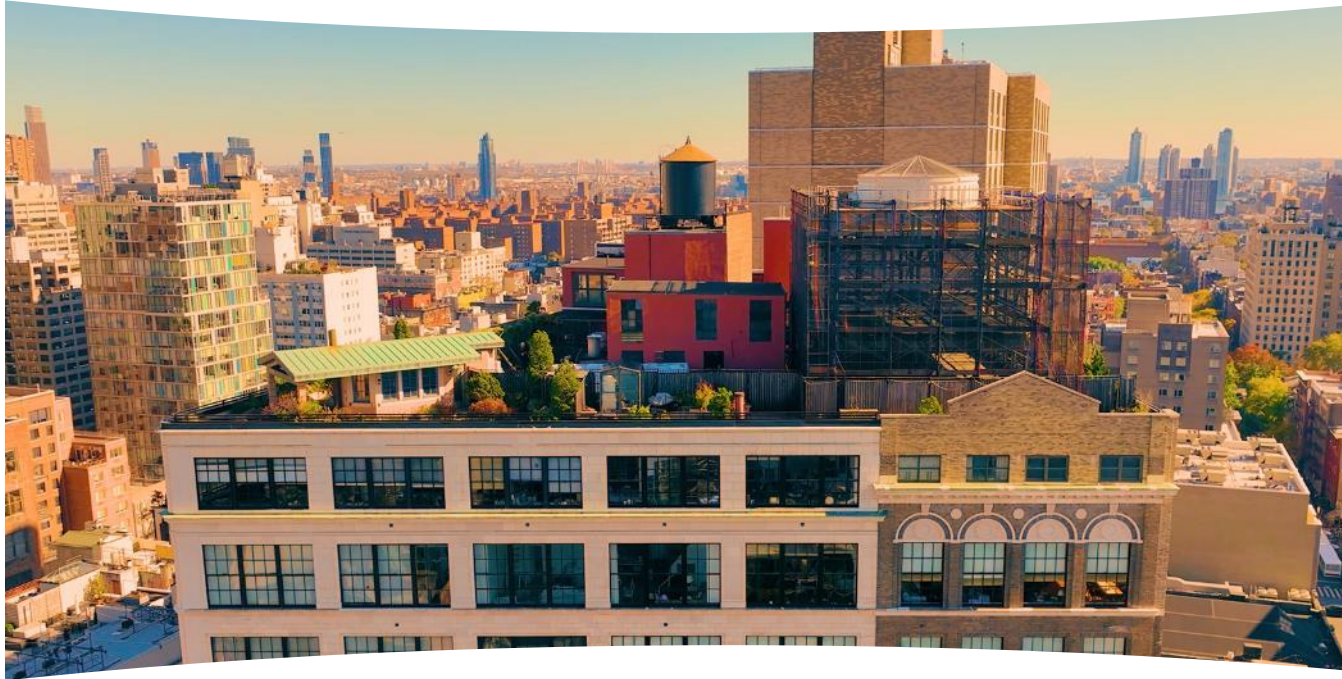
HEAT PUMP IN A BUILDING



**PLANNING
IS THE KEY**

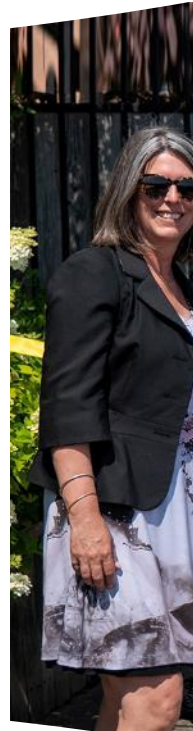
CASE STUDY

INTERNATIONAL TAILORING COMPANY BUILDING



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CASE STUDY

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THANK YOU!

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QUESTIONS?