

## Case Study

# Turning a Sky-High Inefficient Problem into an Energy-Saving Solution

Customer	<b>Office Building</b>
Location	<b>Boston, MA</b>
Industry	<b>Office Building</b>
AERCO Product Installed	<b>Innovation 600</b>



### What the Client Needed

For eight years, two gas-fired tank water heaters supplied domestic water to the office building in downtown Boston. Each heater was rated at 83% efficiency, with 540 MBH input and 125 gallons of storage. One heater, however, started losing its coating—supplying rusty water to the building.

### AERCO's Solution

The building's management hired an engineering firm to tackle the problem. The client wanted a more energy efficient, retrofit solution—without the rigging nightmare. The best choice for the job? The AERCO Innovation 600... tankless, 96% efficient, and lighter and smaller than any competitor:

- The Innovation's design guarantees lighter weight and smaller overall dimensions. It's small enough to fit through a standard doorway... a huge benefit in a crowded office building with small corridors and a mechanical room on the top floor.
- The installing contractor was able to ride the Innovation up the building's elevator, bringing it to the 35th floor and successfully rigging it through a stairwell to the mechanical room. There, it replaced the bigger, bulkier, less efficient and failed tank heater.
- Since the Innovations were easily sidewall vented with PVC, it greatly reduced installation costs.



### Return on Investment

The Innovation 600 is currently operating in parallel with the building's remaining tank heater. When that tank heater inevitably fails, plans are in place to install a second Innovation. With their onboard Water Heater Management (WHM) systems, the office building can expect to reduce fuel consumption by at least 25 to 30%.