

# Case Study Report



## Project Identification

Customer: Kraft  
Location: Batavia, NY

## Design Specifications

Facility Warehouse 36,700' x 24' High  
Winter Operation 70° – 0°



## Project Challenge:

Kraft had an existing heating system consisting of (2) Cambridge Direct Fired MAUs. Mondelez's warehouse had high stratification rate, high utility costs, cold spots at the dock doors and condensation accumulation on the walls. These issues are all contributed to the unreliable Cambridge Makeup Air Units.

## Equipment Solution:

Air Energy provided (1) ER-242-800 + (1) ER-142-400 with a fresh air intake kit. The Rack Units remediated the condensation issues and distributed the heat evenly throughout the warehouse, which eliminated stratification and cold spots at the dock doors.

## Results of Rack System:

Kraft experienced Annual Savings totaling **\$21,291**:

- Electrical – 101,300 kW at \$.10/kW
- Natural Gas – 13,951 therms at \$.80/therm

The Rack Units led to a **38% decrease in therm usage and 78% reduction in kWh usage annually.**

