

Case Study Report



Project Identification

Customer: Ingram Micro
Location: Jeffersonville, Indiana

Design Specifications

Facility Warehouse 650,000' x 36' High
Winter Operation 72° – 0° Summer Operation 72° – 98°



Project Challenge:

Ingram Micro purchased an existing facility that was heated by (4) Recirculating Makeup Air Units. Ingram Micro's many technological products mandate that the facility sustain 72° all year. The 80/20 MAUs were unable to maintain strict temperature requirements of +/- 1° from floor to ceiling throughout the facility.

Equipment Solution:

Air Energy provided (20) ER-242s, (10) Heating Only, (8) Cooling Only and (2) Combination Heating and Cooling Units. These (20) units are operated by a Building Management System that maintains the mandatory 72° in summer and in winter. ***Ingram Micro saved \$.28/sqft in utility costs by installing combination heating and cooling Rack Units.***



Financial Impact of Rack System:

Ingram Micro experienced **annual savings** totaling **\$184,800**:

- Electrical – 1,228,826 kWh at \$.10/kWh
- Natural Gas – 71,481 therms at \$.80/therm

Ingram Micro received verified Vectren Rebate:

- Vectren – Natural Gas: **\$62,027**

