

# Case Study Report



## Project Identification

Customer: Ingram Micro  
Location: Indianapolis, Indiana

## Design Specifications

Facility Warehouse 425,000' x 36' High  
Winter Operation 70° – 0°



## Project Challenge:

Ingram Micro wanted to upgrade their HVAC system from 55° with Greenheck and Applied Air Recirculation units to 70°  
Ingram Micro wanted to eliminate their high utility costs, to provide even temperatures from floor to ceiling and to increase temperature to maintain 70°-0°.

## Equipment Solution:

Air Energy provided (12) ER-242-800s + (4) 24" x 36" Intake Hoods with CO2 sensors for on-demand ventilation. The Racks were installed around the perimeter of the warehouse and instantly increased the temperature to 70°. **Ingram Micro saved \$0.13/sqft by installing The Rack Units over Recirculating Makeup Air Units.**



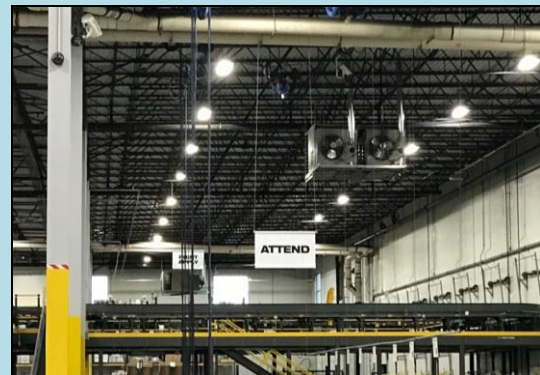
## Financial Results of Rack System:

Ingram Micro experienced Annual Savings totaling **\$54,480**:

- Electrical – 210,000 kWh at \$.10/kWh
- Natural Gas – 41,850 therms at \$.80/therm

Ingram Micro received verified Vectren Rebate:

- Vectren – Natural Gas: **\$33,480**



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