

Case Study Report



Project Identification

Customer: Kirby Risk
Location: Lafayette, Indiana

Design Specifications

Facility Warehouse 100,000' x 32' High
Winter Operation 70° – 0° - Summer Operation – 72° - 95°

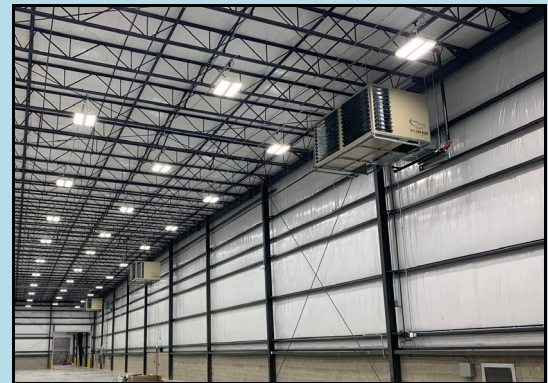


Project Challenge:

Kirby Risk built a brand new 100,000' warehouse facility on their Lafayette campus that will house their new production line and 100+ employees. Kirby Risk wanted to maximize worker productivity with their HVAC system, maintaining between 70°-72° year around.

Equipment Solution:

Air Energy provided (6) ER-242s combined with (5) 25 Ton Roof Top Units. The Rack Units distribute the tempered air throughout the facility sustaining even temperatures from floor to ceiling, maximizing employee comfort. **By installing The Rack Units with the RTUs, Kirby Risk saved \$.27/sqft in utility costs.**



Results of Rack System:

Kirby Risk experienced Annual Savings totaling **\$26,861**:

- Electrical – 85,771 kWh at \$.10/kWh
- Natural Gas – 24,379 therms at \$.75/therm

Carbon Footprint Reduction: 205 tons of CO2 emissions annually

Kirby Risk received verified Vectren Rebate:

- Vectren – Natural Gas: **\$24,379**

