

Case Study Report



Project Identification

Customer: 2450 Stanley Rd.
Location: Plainfield, Indiana

Design Specifications

Facility Warehouse 450,000' x 40' High
Winter Operation 60° – 0°

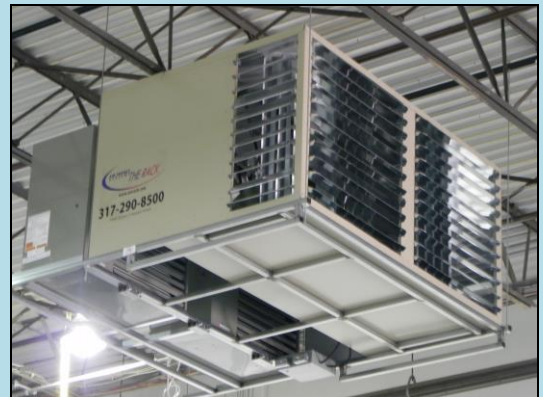


Project Challenge:

2450 Stanley Road is currently vacant; the building owner wanted to reduce high utility bills and eliminate moisture caused by combustion products from (4) Greenheck DGX 50/50 Direct Fired Makeup Air Units. The combustion products condense on the walls which leads to costly and harmful mold.

Equipment Solution:

Air Energy Systems provided a system to utilize (4) ER-242-800 Rack Units and (2) Exhaust hoods to eliminate the moisture. The Rack Units will heat the facility during vacant operation, when no outside air is required. This reduction in horse power, outside air and BTU greatly reduced the utility demand for this vacant space.



Results of Rack System:

2450 Stanley Rd experienced Annual Savings totaling **\$35,185**:

- Electrical – 104,500 kW at \$.10/kW
- Natural Gas – 30,912 therms at \$.80/therm

2450 Stanley Rd heated in vacant operation at \$.04/sf

2450 Stanley Rd. received verified Vectren Gas Rebate:

- Vectren – Natural Gas– **\$24,730**

