

Case Study Report



Project Identification

Customer: AeroFab
Location: Indianapolis, Indiana

Design Specifications

Facility Warehouse 105,300' x 36' High
Winter Operation 65° – 0°



Project Challenge:

AeroFab built a new warehouse facility in Indianapolis that needed heat for the winter and summer ventilation. AeroFab was looking for a system to satisfy all of their heating and cooling needs as well as a system that would be energy efficient.

Equipment Solution:

Air Energy Systems designed a system with (7) ER-142-400 Rack Units that will heat the facility to 65°. (4) Energy Rotation Units are equipped with 1,600 cfm intake air hoods to meet the .06 cfm/sqft during occupied operation. This system also utilizes exhaust fans that are paired with the intake hoods to provide multiple air changes per hour during summer operation to keep temperatures moderate.



Results of Rack System:

AeroFab experienced Annual Savings totaling over **\$44,000**:

- Electrical – 189,300 kW at \$.10/kW
- Natural Gas – 31,250 therms at \$.80/therm



AeroFab received a Vectren verified Gas Rebate of **\$25,000**.

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