

# Case Study Report



## Project Identification

Customer: Vista Graphics  
Location: Indianapolis, IN

## Design Specifications

Facility Warehouse 31,700' x 24' High  
Winter Operation 70° - 0°



## Project Challenge:

Vista Graphics had an existing heating system consisting of (5) 61.7% Unit heaters. This system was designed to keep 55° - 0° and did not meet ASHRAE 62.1 outside air requirement. Vista Graphics wanted to upgrade their entire HVAC system; and have this system controlled wirelessly.

## Equipment Solution:

Air Energy provided (2) ER-142-400 Rack Units with fresh air intake louvers and Sensi Wireless Thermostats. The Racks heat the facility to 70° - 0°, provide an Air Change per hour, meet ASHRAE 62.1 and operate wirelessly through a mobile app. Vista Graphic's owners can now control their entire building's heating and ventilation system from their mobile device.



## Results of Rack System:

Vista Graphics experienced Annual Savings totaling **\$13,318**:

- Electrical – 32,800 kW at \$.10/kW
- Natural Gas – 12,548 therms at \$.80/therm

Vista Graphics received verified Citizens Gas Rebate:

- Citizens – Natural Gas – **\$10,038**

