

# Case Study Report



## Project Identification

**Customer** : Olinger  
**Location** : Indianapolis, Indiana  
**Project** : Heating Replacement System

## Design Specifications

Facility Warehouse 263,000' - Winter Operation 68° - 0°



## Project Challenge

Olinger heated the warehouse with 60% efficient 15 year old gas fired unit heaters. The equipment constantly broke down requiring expensive service calls from a HVAC contractor. Along with unreliable operation, natural gas costs were expensive with the gas fired equipment. Working conditions were uncomfortable for employees since the unit heaters discharged heated air at the roofline and did not disperse warmer air to the floor level. Thermostats were accessible to employees, so frequent adjustments were made throughout the shifts...resulting in little temperature/cost control for Olinger's management.

## Solution

Olinger researched various heating alternatives and opted to install Air Energy System's 93% high efficient ceiling hung energy rotation systems. The three ER-242-620 units and five ER-142-310 units provided the facility with the most energy efficient heating equipment on the market and saved money on operational costs. Comfort in the facility was greatly improved and remote control panels for the ER units were mounted in the manager's office eliminating the employee's accessibility to temperature gages.

## Result

- ✓ Circulated hot air from the ceiling to the floor resulting in even temperature of 65° degrees throughout the facility
- ✓ Improved over-all comfort level
- ✓ Reduced heating costs by \$40,000...a 50% energy savings
- ✓ Received \$25,000 in energy rebates from Vectren Energy Delivery Gas Company
- ✓ Received \$130,000 EPACT Tax Credit



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