

# Case Study Report



## Project Identification

Customer: Auto Truck Group  
Location: Simpsonville, Kentucky

## Design Specifications

Facility Warehouse 400,000' x 36' High  
Winter Operation 70° – 0°



## Project Challenge:

Auto Truck Group (ATG) built a new distribution warehouse in Simpsonville, KY to house their trucking equipment, rental trucks and other products. ATG wanted their HVAC system to keep 70° in the winter and provide a single air turnover per hour for summer ventilation.



## Equipment Solution:

Air Energy Systems provided (8) ER-242-800s with Modine 82% Unit Heaters. These Rack Units kept an even 70° from ceiling to floor throughout the facility. The (8) Rack Units are controlled by a building management system that exploits ATG's unoccupied operating hours to drastically reduce utility usage in the facility.



## Results of Rack System:

ATG experienced Annual Savings totaling **\$60,300**:

- Electrical – 170,000 kWh at \$.10/kWh
- Natural Gas – 54,125 therms at \$.80/therm

**Auto Truck Group saved over 44% in utility costs.**