

Case Study Report



Project Identification

Customer: Honda of Indiana
Location: Greensburg, Indiana

Design Specifications

Facility Warehouse 400,000' x 32' High
Winter Operation 68 °– 0 Summer Operation 93° - 78°



Project Challenge

Honda's original heating/cooling design used direct fired equipment incorporated with cooling coils and sheet metal distribution ducting. The warehouse continually exceeded their budget for temperature control and considered eliminating the cooling function all together..

Air Energy System's Solution

AES recommended installing eight 60-ton ground mounted gas/electric rooftop units along with eight ER-248 ceiling hung air rotation units into the facility. The equipment design increased the air distribution from 192,000 cfm to 400,000 cfm.



Results

By installing (8) 60-ton rooftop units with (8) ER-248 air turn-over units, Honda experienced the following results:

- ✓ Honda was able to eliminate their costly sheet metal distribution ducting
- ✓ Honda experienced a \$500,000 cost savings
- ✓ Honda warehouse has less than a 2-3° temperature difference anywhere in the facility.



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