

Case Study Report



Project Identification

Customer: City of Anderson Flagship Accelerator
Location : Anderson, Indiana

Design Specifications

Facility Warehouse 80,000' (2) 40,000" Sections
Winter Operation 70° - 0°



Project Challenge

The City of Anderson hired krM Architects to design the most energy efficient facility in central Indiana in order to attract future businesses to their community. To achieve this goal, krM needed to secure an HVAC system which would not only deliver high efficiency, but would operate using the free energy created by the facility's solar wall.

Project Solution

krM Architects specified one ER-242-620 and one ER-142-310 ceiling hung energy rotation systems in each of the 40,000' building sections. To utilize the heat from the solar wall, a total of six 1,250 cfm inline fans were ducted directly from the solar wall to the four ER units. By blending the ER units with the free energy from the solar wall, Flagship Accelerator can provide their future customer with the most energy efficient heating system available on the market.

Project Result

- ✓ Flagship saves \$48,000 (\$24,000 per section) by incorporating the 93% ER units with the solar wall
- ✓ Flagship receives an EPACT tax credit of \$144,000
- ✓ Flagship receives a total of \$41,000 energy rebate (\$20,500 per section) from Vectron's Energy Delivery Gas Company

