

# Retrofit Case Study

Cambridge HTHV vs.  
Makeup Air/Infrared

## Distribution Center



### Building Specifications

- 262,500 ft<sup>2</sup>
- Over 50 year old building
- Located in DeKalb, IL

### Comments

*“With the energy efficiency of the Cambridge heaters we are planning to use them in our new 650,000 ft<sup>2</sup> facility”*

*- Facilities Manager*

### Before – Makeup Air Heaters/ Infrared Tube Heaters

#### Performance

- Uneven temperatures
- Poor system control
- High operating costs

#### Operating Costs

220,615 therms for 2007-08 heating season

**\$ 0.63/ft<sup>2</sup> Gas cost @ \$0.75/therm**



### After - Cambridge HTHV Space Heaters

#### Performance

- More even temperatures
- Better system control
- Lower operating costs

#### Operating Costs

130,953 therms for 2009 heating season

**\$0.37/ft<sup>2</sup> Gas cost @ \$0.75/therm**



### Summary

The Cambridge HTHV system used **41% less** gas and saved **\$67,000/year** operating at \$0.37/ft<sup>2</sup> vs. \$0.63/ft<sup>2</sup>.