

Retrofit Case Study

Cambridge HTHV vs.
Steam Boiler

Fabrication Facility



Building Specifications

- 180,000 ft²
- Over 50 year old building
- Located in Plymouth, MI

Comments

“The new heating system improved ventilation for the plant, solved the negative air problem and provided more even temperatures”

- Certified Energy Manager

Before – Steam Boiler

Performance

- Uneven temperatures
- Cold dock areas
- High maintenance costs
- Poor Indoor Air Quality

Operating Costs

Based on 271,810 therms for 2004

\$1.22/ft² Gas cost @ \$1.00/therm



After - Cambridge HTHV Space Heaters

Performance

- More even temperatures
- Lower operating cost
- Better Indoor Air Quality

Operating Costs

Based on 186,860 therms for 2006

\$0.93/ft² Gas cost @ \$1.00/therm



Summary

The Cambridge system used **24% less** gas and saved approximately **\$52,000/year** operating at \$0.93/ft² vs. \$1.22/ft².



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