



VOLVO REDUCES FUEL CONSUMPTION BY 80% WITH ADVANCED RADIANT SYSTEMS' CONTINUOUS SERIES



VOLVO TRUCKS

BACKGROUND

Volvo is world renowned for its environmental consciousness, recently established a corporate goal to make all of its manufacturing facilities carbon neutral by 2012. Volvo trucks participate in the U. S. Department of Energy Industrial Technologies *Save Energy Now* LEADER initiative which requires manufacturers to reduce their facilities energy intensity by 2.5% per year over a 10 year time frame.

SOLUTION

Advanced Radiant Systems installed 60 High Efficiency heaters in Volvo's Trucks' NRV plant's shipping building; replacing the existing warm air system. The building is an ideal choice for radiant heating with its high ceilings and high air change, as the radiant heaters have a very quick response time.

The radiant heaters resulted in a headline 80% reduction in natural gas consumption - not to mention the yearly savings in electricity, and CO₂. Plus, with a savings of nearly \$50,000 per year they received a payback on their investment in only 2 and a half years.

For details on this project please see the [Volvo Case Study](#) from the U.S. Department of Energy.



HIGHLIGHTS

- **Natural Gas Savings:** 61,000 therms per year
- **Electricity Savings:** 70,000 kWh per year
- **CO₂ reduction:** 54 tons per year
- **Saving \$45,000-\$50,000 per year**
- **Payback period 2.5 years**