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CASE STUDY

Cintas

Montgomery, AL

Cintas Corporation provides services to businesses of all types throughout North America. More than five million people go to work every day in Cintas uniforms, which the company rents, launders, repairs and replaces. Cintas operates more than 390 facilities in the U.S. and Canada, including four manufacturing plants and eight distribution centers. In its 123,521 square foot plant in Montgomery, AL Cintas hired GreenTech Energy Services to design and implement an energy savings system.

In the aisles and staging areas of the warehouse, existing 400-watt metal halide high bay fixtures were replaced with new T5 HO fixtures with reflectors and occupancy sensors. In the front shop, offices, restrooms, cafeteria, conference rooms, and generator rooms, obsolete T12 fluorescent fixtures were retrofit with F28 T8 fluorescents. Exit signs lit with incandescent lights were replaced with new 2-watt LED signs. Despite sharp reductions in energy use, light levels actually improved in every area, enhancing the workers' productivity, comfort and safety. The newer lights also run cooler, which is important in a hot, humid work environment. The project is expected to pay for itself in less than two years.

PROJECTED SAVINGS

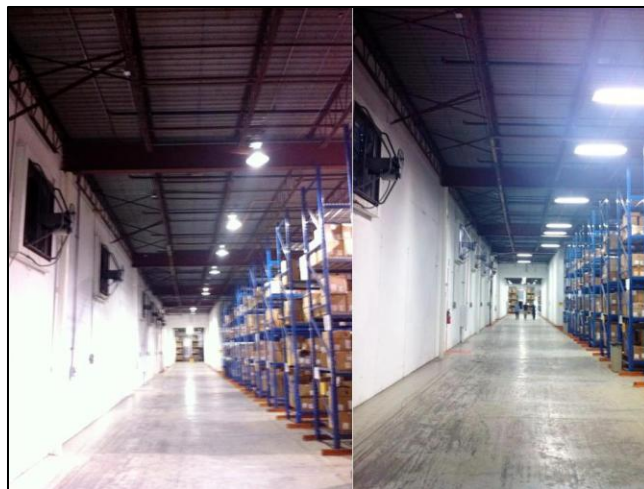
- Program Cost.....\$177,047
- KW Saved.....143
- KWH Saved.....692,655
- Energy Cost Savings.....\$102,644
- Payback period.....1.4 years

ENVIRONMENTAL IMPACT

- Reduction in Carbon Dioxide (pounds) -1,038,982
- Reduction in Sulfur Dioxide (grams) - 3,878,866
- Reduction in Nitrogen Oxide (grams) -1,731,637

BEFORE

AFTER



"It looks like the plant went from a black and white movie to a color movie," says Jason Adcock, Distribution Center Manager. "And we were very satisfied with GreenTech's service. The crew was neat, clean and efficient."