



## CASE STUDY

### Skanska

Carteret, New Jersey

Skanska, one of the world's leading construction groups, has a 66,000-square-foot warehouse in Carteret, NJ, where GreenTech Energy Services did a lighting retrofit. All 400-watt high pressure sodium lamps were replaced with new 2 x 4 surface-mounted T5 fluorescent fixtures with occupancy/photocell sensors. The efficiency of the fluorescent lamps with the sensors resulted in lower operating costs and a longer life expectancy than the previous fixtures.

In addition, all fixtures with two 96-watt 8-foot T12 lamps with standard magnetic ballasts were replaced with 32-watt four-foot T8 lamps with new reflector lenses. These lamps, combined with low wattage electronic ballast, increased light levels, provided energy savings and improved aesthetics.

#### PROJECTED SAVINGS

- Program Cost.....\$84,565
- Utility rebate..... \$29,145
- EPACT Tax Savings..... \$9,900
- Payback Period.....0.93
- KW Saved .....71
- KWH Saved..... 258,363
- Energy Cost Savings.....\$46,505
- Operational Savings..... \$2,537
- Total Savings.....\$49,042

#### ENVIRONMENTAL IMPACT

- Reduction in Carbon Dioxide (pounds)... 387,544
- Reduction in Sulfur Dioxide (grams).....1,446,831
- Reduction in Nitrogen Oxide (grams).....645,907

# SKANSKA



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