

# CASE STUDY

## Strattec Security Corp. Brown Deer, WI

Murphy Energy helped Strattec Security Corporation, one of the world's largest manufacturers of vehicle security systems, capture dramatic energy savings in its manufacturing and office areas by replacing aging, inefficient high pressure sodium and T-12 florescent lights with state-of-the-art LED lighting.

Today, the company realizes even greater energy savings through occupancy sensors that reduce consumption in unoccupied areas.

### Savings Analysis:

Annual kWh Savings .....	375,506
Annual System Savings .....	\$33,795.59
Combined Incentives .....	\$38,784.80
Return on Investment .....	13 months
10-Year Energy Savings.....	\$281,630.00

### Benefit Analysis:

LED Fixtures Carry 10-Year Warranty and >120,000 hour Lifespan Rating  
Occupancy Sensing by Wireless Control System  
Enhanced Color Temperature and Light Quality  
Improved Uniformity and Distribution of Light  
Elimination of Maintenance and Relamping Cycles

### Annual Environmental Impact\*:

563,260 pounds of CO2  
938,766 grams of Sulfur Dioxide  
2,177,938 grams of Nitrogen Oxides  
Planting 69 trees  
Removing 53 cars from the road each year  
Saving 34,137 gallons of gasoline each year

\* Source:  EPA



Murphy Energy is a full service ESCO providing turnkey lighting solutions to improve energy efficiency and system performance in the built environment.

### Energy Management Services

- ⊕ Turnkey Project Implementation
- ⊕ Lighting & Control Systems
- ⊕ Building Automation Systems
- ⊕ Daylight Harvesting
- ⊕ Solar
- ⊕ Rebate Administration
- ⊕ EPA Act Certification



**414-810-0301**  
Milwaukee Wisconsin  
[www.murphyenergy.net](http://www.murphyenergy.net)