

## Why Upgrade your Facilities Lighting?

With recent advancements in technology, LED Lighting often offers quick simple paybacks and can reduce lighting energy costs by 60%-70%. Maintenance costs can also be eliminated as most LED technology is rated for 100,000 hrs. which is more than 11 years in a 24/7 application. This virtually eliminates lighting maintenance costs.

### About Semco

Semco is an energy management company. We help businesses save energy through providing turnkey energy saving solutions like Lighting, HVAC controls and more. The initial energy assessment is of no cost. Please reach out to us below for additional information!



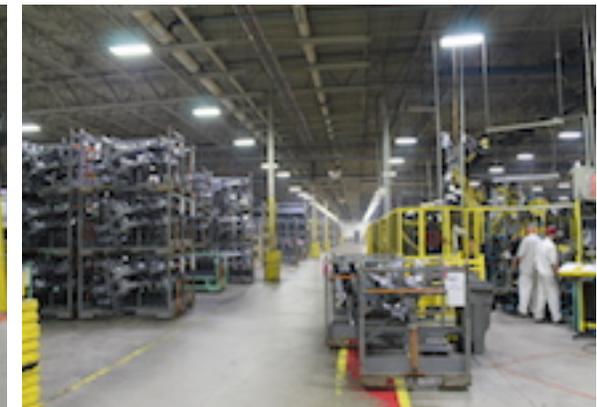
www.thesemco.com  
P.O Box 4724  
Gulf Shores, AL 36547  
(251) 752-8548

# Energy Efficient Lighting Case Study



## **KTH Leesburg Products**

KTH Leesburg Products is a Tier-1 Automotive Supplier, for underbody structural parts, providing automotive components to companies world wide. As a global supplier, it's never been more important to control operating costs. Which is why SEMCO was asked to perform a comprehensive lighting audit, beginning with the production areas of the plant. The facility upgraded over 500 HID's to energy efficient LED fixtures which will not only reduce energy costs, but also reduce heat throughout the production area, saving cooling costs, and eliminate lighting maintenance costs for a minimum of 10 years.



## **Annual Savings**

(calculations provided courtesy of SEMCO)

- Energy Savings \$117,528
- Displaced Energy 1,103,531 kwh
- Displaced Demand 138 kw

## **Impact of Upgrade**

- Simple Payback 1.7 yrs
- Utility Rebate \$100,596
- 5% Reduction in energy usage

## **From the Plant Coordinator**

“The first phase of the lighting project will help us reduce our over all energy usage by approximately 5%, provide more consistent light through out the entire plant, and eliminate lighting maintenance costs for years to come.”

- Ronnie Smith

## **Environmental Impacts**

- 160 Cars Taken off the Road (1 yr)
- 1,770 Barrels of oil saved
- 69.4 Homes powered one year
- 85,624 Gal. of gasoline not burned
- 817,337 Pounds of coal not burned