



## The Woodbridge Group Kansas City, MO

### ***About the Client:***

The Woodbridge Group is a worldwide manufacturer of urethane and bead foam technologies, used primarily within the automotive and commercial vehicle industry. Additionally, The Woodbridge Group offers services in: chemical research and development, product and process engineering, tooling, technical support and accredited laboratory testing.

With a commitment to customer satisfaction, environmental protection and workplace safety, a lighting upgrade was a necessary improvement to their facilities.



### ***The Project:***

Worldwide Energy provided a turn-key lighting upgrade for the Woodbridge Sequencing Center's facility and offices, replacing outdated T12 and metal halide lamps with energy efficient LED. Worldwide Energy was contracted to install the second phase of the facility's new lighting. The client worked with another contractor to implement the initial phase of their facility's new lighting. The contractor took over five weeks to complete the project and provided disappointing results. Worldwide Energy exceeded the expectations of the customer in the second phase and was able to complete the project within one week. The project resulted in terrific lighting and the client was equally excited about the improved aesthetics and quality of the install.

# Woodbridge Production Facility

## **Project Savings:**

*Annual Utility Savings: \$7,014*

*Projected R.O.I: Approx. 3.5 years*

*Rebates secured by WEI: 50% of total project cost*

## **Greenhouse Reduction:**

*184,086 pounds (or 83.5 metric tons) of carbon dioxide*

*Reduction equivalent to annual greenhouse emissions from 17.6 passenger vehicles, and CO2 emission from 89,689 pounds of coal burned.*

## **About Worldwide Energy**

As commercial energy efficiency experts, we help our clients minimize utility expenses with energy efficiency lighting, efficient heating & cooling, renewable energies, and building envelope solutions.

Our efforts focus primarily on the areas that provide the greatest utility cost savings and where financial incentives create a rapid return on investment.

Worldwide Energy offers a total turnkey solution; utility rebate and Federal EAct filing services (provided at no additional charge); complete design & installation services; recycling and project financing. Our services usually have a 2 year or less return on investment.

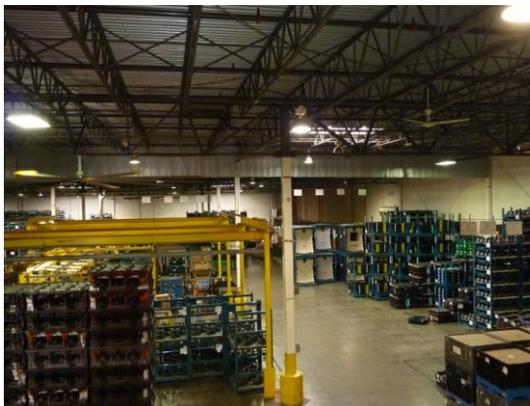
## **Client Goals**

The client had several objectives including:

- Eliminate out-dated, government banned T12 technology and replace with more efficient lighting
- Provide facility staff with brighter, clearer lighting to increase production and safety
- Save annually on utility cost
- Reduce annual maintenance expense while increasing the lifespan of lamps
- Lower carbon dioxide emissions from facility

The T12 lamps that were in place at the client's production building were not only inefficient and outdated, but have been banned from production and importation in the United States, making them increasingly difficult to find as inventories deplete. On top of that, T12 lamps need to be replaced frequently as they only last around 20,000 hours, losing 20% of lumen output in the first half of rated life.

All T12 lamps will need to be replaced sooner or later due to government regulations. By acting now, the client will start saving on utilities immediately, while enjoying better a better quality of light and experiencing lower maintenance costs. Additionally, the client was able to take advantage of a near 50 percent rebate WEI procured for the project.



*Before lighting upgrade*



*After lighting upgrade*