



Manufacturing Warehouse Center Kansas City, MO.

About the Client:

Marshall Spring Manufacturing designs and produces mechanical springs used for various applications. The company has been in business for over half a century and provides services for customers nationwide.

They are committed to sustainable business solutions, and recognize the value in modernizing their facility with a lighting retrofit that provides enhanced visual acuity as well as energy savings.

The Project....

The existing, outdated thirty-five interior T12 lighting fixtures were retrofitted with premium efficient T8 technology. Additionally, Worldwide Energy re-lamped four existing T5 fixtures.

Worldwide Energy provided a turnkey solution that increased efficiency and lowered costs.



Marshall Spring Manufacturing

Kansas City, MO.

Client Goals

The client had several objectives including:

- Eliminate out-dated, government banned T12 technology and replace with more efficient lighting
- Provide warehouse staff with brighter, clearer lighting to increase production and safety
- Save annually on utility cost
- Reduce annual maintenance expense
- Professional, turnkey solution

It was not a question of “if” the T12 replacement project was going to take place, but “when”. T12 technology lamps and ballast have been banned from U.S. production and foreign importation due to inefficiency. This makes T12 lights very difficult to find, which increases the cost as inventories deplete.

Additionally, the T12 lamps only last around 20,000 hours, losing 20% of lumen output in the first half of rated life, as opposed to T8 lamps that last 36,000 hours or longer. The client will now have longer lasting, more efficient warehouse lighting that will help them to save on maintenance and utility costs, while lowering greenhouse gas emissions and improving lighting quality.



Marshall Spring Manufacturing – after lighting retrofit

Worldwide Energy was able to secure rebates to cover 50% of client's cost.

Project Savings

Annual kWh Savings: 10,288

Annual Utility Savings: \$1,338

Projected R.O.I.: 20 months

Annual Maintenance Savings: \$500

Greenhouse Reduction

15,633 pounds (7.1 metric tons) of carbon dioxide. Equivalent to annual greenhouse emissions from two passenger vehicles and CO2 emissions from 341 propane cylinders used for home barbecues.

About Worldwide Energy

As commercial energy efficiency experts, we help our clients minimize utility expenses with energy efficiency lighting, efficient heating & cooling, 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 EPCAct 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.
