

CASE STUDY

TIFFIN METAL PRODUCTS CO.

TIFFIN METAL PRODUCTS CO. TIFFIN, OHIO

The company's current employment is approximately 140 and today they operate in more than 140,000 square feet of buildings. Items manufactured by Tiffin Metal Products are sold worldwide. Their innovation, reliability, high quality, and value keep them on top with the ever-changing needs of customers.



159,824 FT²



654 LIGHTING FIXTURES

ABOUT US

In the world of building integration and sustainability, Facilitec has been in the forefront of new technology, energy efficiency, safety and measurement/verification.

A 38 year old company, Facilitec, born out of factory automation, continues to implement the latest in technology, guiding their clients into the ever-changing future.

CHALLENGE

Tiffin Metal Products operated with outdated lighting fixtures. They were in the market to upgrade their facility to an intelligent network lighting system. Doing so would reduce their power consumption, and in return save the company a substantial amount of money.





SOLUTION PROCESS

Facilitec performed a complete technical analysis for the best lighting solution, auditing the facility and then modeling the lighting usage. This then produced the possible reduction in power through utilizing a network LED lighting system. The report was reviewed by Tiffin and Facilitec to determine the actions to be taken.

1 AUDITING and ANALYSIS

2 CUSTOM MODELING

3 INSTALLATION

NEXT PHASE

Facilitec continually works with their clients to determine other steps to be taken to further improve efficiencies in operations. These may include power monitoring, contact tracking, card access, security or HVAC controls. All programs include complete tracking capabilities to be able to verify and maintain the results.



RESULTS

The goal was to lower utility bills and reduce energy use. TMP decided to invest because the cost of installing this updated lighting pays for itself in minimal time. The company is saving \$33,736 monthly and getting \$81,617 in rebates to help offset the initial cost of investing in the new lighting solution.

 **94% reduction in power consumption**

 **\$101,175 in savings annually**
\$81,617.25 incentive rebate

“Moving forward with the plant-wide LED project has been very beneficial and all our goals were met. Monthly utility expense, as well as decreased energy consumption, has been a winning combination for Tiffin Metal Products. As we continue to expand in facility square footage, we plan to also include additional projects with LED lighting.

It has been a pleasure working with Facilitec and AEP in the past and look to even greater savings in the future.”

- Mike Haberman, Gradall President & VP Excavation/Vacuum Trucks Alamo



An AEP Company