



## OVERVIEW

US Tank & Cryogenic Equipment, Inc., a Tennessee based specialty equipment refurbishing company was looking to lower lighting costs while substantially increasing light levels inside and outside their facility. Further, they were seeking to improve production rates and quality, reduce rework and improve safety inside the plant. Improving light levels in the parking area and loading docks would make it easier for night transportation crews to safely load and unload trailer loads of equipment.

## CHALLENGE

- Cut energy consumption by 60+%
- Cut maintenance expense by 90%
- Improve interior/exterior illumination
- Enhance safety in the plant and storage areas
- Improve productivity and safety
- Increase lighting levels in the parking lot and loading docks



## SOLUTION

- Complete LED retrofit and replacement
- Install cutting edge, LED high bays in the plant
- Replace high wattage/maintenance metal halide exterior fixtures with LED area and wall pack fixtures
- Retrofit all of the old fluorescent fixtures in the office and meeting rooms

## RESULT

- Energy consumption reduced by 62%
- Maintenance expense reduced by 100%
- Dramatically improved lighting in the plant area, increasing safety
- Increased illumination and acuity in the office and meeting rooms
- Improved illumination in loading dock and parking lot making it safer for night operations

## The Helios Energy Impact

Increased safety and employee morale

10-year energy savings –  
**\$54,750**

10-year maintenance savings –  
**\$8,840**

Total 10-year savings –  
**\$63,590**

**62%** reduction in CO<sub>2</sub>! Equivalent to removing **8.1** cars from the road per year, or not burning **4,331** gallons of gas!