



ORION LED (LEFT)

ORIGINAL FLUORESCENTS (RIGHT)

## COMPANY

PanelTEK LLC  
Fond du Lac, WI

[www.paneltekllc.com](http://www.paneltekllc.com)

## PROJECT METRICS

**\$10,945**  
Annual Cost Savings

**134,460**  
Annual kWh Reduction

**105 Tons**  
Annual CO<sub>2</sub> Reduction  
which is equivalent to:

**124 Acres**  
of US forests annually

\*Based upon the Greenhouse Gas Equivalencies Calculator, [www.epa.gov](http://www.epa.gov).

## PRODUCTS INSTALLED



HARRIS LED  
High Bay Star  
Line, Gen 1 |  
HHSL1

*“We have about half the shop done right now. The new lighting is a night and day difference – everything is just brighter! I have had a couple employees comment that the new LED lighting is like viewing things in high definition. The quality makes it easier for everyone at PanelTEK to do their jobs.”*

*- Mark Kallas, President*

## CHALLENGE

PanelTEK provides industrial electrical control panels and engineering services. Originally the plan was to increase the lighting in some areas of the 28,000 square foot panel assembly facility with more fluorescent light fixtures, which the facility currently had installed. Instead, PanelTEK opted for a broader LED solution, choosing Orion for their reputation and quality product. Once the Orion team visited PanelTEK’s facility and provided a full Return on Investment (ROI) calculation, President Mark Kallas exclaimed, “When we found out the payback for the LED lighting investment would be under a year, it was a no-brainer to upgrade our entire facility with 20,000 lumen LED fixtures. It was a great decision!”



## SOLUTION

PanelTEK installed 104 **Harris LED High Bay Star Line, Gen 1** fixtures. The LED lighting solution is expected to generate a financial savings of \$10,945 over the year, with an annual energy reduction of 134,460 kW. The Star Line was chosen not only for energy savings, but also its advanced motion control capability. Taking advantage of the control solution available with the Star Line, motion sensing sensors that control the operation of the fixtures based on the amount of activity in the area were selected. At the facility, the fixtures’ dip switch setting was custom configured to dim to 50% if there is no movement in the area after thirty minutes, turning off completely if there is no motion for an hour.