



Location: Granite City, Illinois

Industry: Third-Party Logistics

Challenge:

- Lighting Quality
- Employee Comfort
- Utility Costs

Solution:

- LED Lighting Retrofit
- Programmable Thermostats
- Daintree ControlScope®

Result:

- 85% Energy Cost Savings
- Improved Employee Comfort
- Enhanced Safety
- Greater Productivity

OHL Enjoys Improved Productivity, Safety & Comfort

Daintree's ControlScope® Controls Lighting and Thermostats in State-of-the Art Retrofit

OHL (Ozburn Hessey Logistics) is one of the largest third-party logistics companies in the world, providing integrated global supply chain management solutions, including transportation, warehousing, customs brokerage, freight forwarding, and import and export consulting services. Founded in 1951, OHL has more than 36 million square feet of flexible warehouse space.

Business Challenge

At the 300,000 square foot facility in Granite City, Illinois, two thirds is laid out as rack aisles and one third is open warehouse. This facility operates 100 hours per week, 52 weeks a year and its high-pressure sodium lights were a drag on employee comfort and productivity. The lights did not provide good color resolution and required an employee to turn them on 15 minutes prior to opening the warehouse so they could warm to full intensity.

The lighting caused eye-strain, and the inspection of certain products prior to re-packaging often had to be done outside because the yellow sodium lights prevented employees from spotting damage.

The building thermostats also had to be turned on and off manually, which meant if it was too hot or cold when entering the building it took about an hour to reach a comfortable temperature.

Solution

Enter Richard Gedmin of Superior Solutions Group, a Daintree VAR. Gedmin knew that retrofitting the lights and thermostats with controls would solve OHL's problems and deliver significant ROI. "Richard arranged a site visit to a similar facility and after seeing their Daintree lighting and system capabilities we knew this was the direction we wanted to go," said Dana Heflin, VP Operations at the OHL facility.

85%
Energy Cost
Savings



“Our operations change with some frequency so being able to adjust light levels and behavior based on current needs is something we didn’t realize was so useful. If anyone is in the market and could see this system in action, it’s a no brainer!”

Paul Stepanek
Operations Manager

“Installation went very smoothly despite it being the busiest time of year for us. We are very happy with the end result and how it was executed,”

Dana Heflin,
VP Operations

Superior Solutions Group installed 398 dimmable LED High Bays equipped with the Daintree WHS100. In the offices, 120 dimmable LED Troffers were installed and controlled via the Daintree WA100 on a circuit level. Programmable WTS10 Daintree thermostats were also added throughout the facility.

The Results are Eye Opening

The Daintree system allows workers to adjust light levels for different types of work. “Under the old lighting, eye strain was something we all had to deal with. After the retrofit the consensus is that it’s easier for us to perform our jobs better,” commented Chris McIntyre, an Operations Lead.

Safety First

Aisle fixtures come on as one path so the way forward is lit, as opposed to traditional occupancy sensors, which typically have a delay so that the aisles remain dark ahead. Now, forklift operators can not only see if anyone is in the aisle, but also read the product print on the top racks from the ground; a major plus for operational efficiency.

Employee Comfort

Some office workers sit by windows so being able to adjust light levels based on how much the sun is shining helps improve comfort at their desks. Plus the new thermostat controls ensure the ideal temperature at all times.

Business Results

OHL received a utility incentive of \$70,000 for reducing wattage and adding occupancy sensors. Before the lighting and HVAC retrofit the average weekly lighting and HVAC energy bill was \$1,600. Since then it has been slashed to \$250!

Next Steps

Both Executives and workers at the Granite City facility have high praise for the Daintree solution and OHL has plans to evaluate other facilities for lighting and thermostat retrofits with Daintree controls.