

## Case Study:

# Large Pulp and Paper Company, Manufacturing Facilities Across North America



### Background

Taking advantage of improvements in LED lighting, this manufacturing company has been at the forefront of integrating cutting-edge LED lighting throughout its facilities.

Cooper Lighting Systems had already established a turnkey lighting program with the customer in 2006. Since that time, Cooper Lighting Solutions has completed over 150 lighting projects for the customer, providing millions of dollars of energy and maintenance savings as well as utility rebates.

The resulting success has earned the manufacturer recognition from its Corporate Headquarters and Corporate Energy and Sustainability Conferences.



- Energy Savings
- Lower Maintenance Costs
- Improved Safety

### Challenge

The manufacturing company was investigating its LED lighting options for optimizing energy consumption, containing capital costs, and taking advantage of a local utility rebate that was soon to expire.

Cooper Lighting Solutions was brought in to conduct a full, investment-grade energy audit.

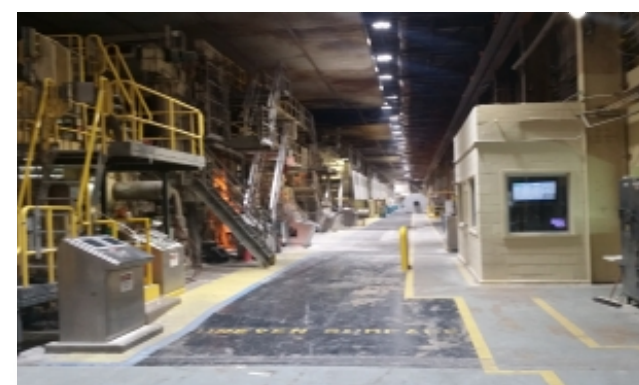
### Solution

Following the audit, the proposal Cooper Lighting Solutions presented identified the appropriate product solutions for meeting the customer's environmental challenges. The products included: Metalux XHB high bay; Metalux HBLED high bay; Lumark NFFLD Night Falcon; and Lumark Crosstour LED wall pack.

### Results

Upon approval, the project was successfully and safely completed with short lead time – helping most of the sites take advantage of the rebates.

- 67% reduction in overall annual kWhs, resulting in \$10.9M annual energy savings and \$2M annual maintenance savings.
- 3.9 years average return on investment.
- 50% - 60% enhancement in lighting levels, improving overall visibility in the facility and raising light levels to meet corporate standards for operation and safety.



### Product Used

- Metalux XHB high bay
- Metalux HBLED high bay
- Lumark NFFLD Night Falcon
- Lumark Crosstour LED wall pack

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*The 138,880,333 kWhs of electricity saved is equivalent to removing 11,000 cars from the road, 35,000 tons of waste recycled instead of dumped in a landfill, and 121,000 acres of forest saved.*

*Large Pulp and Paper Company,  
Manufacturing Facilities Across North America*