

US FARATHANE PORT HURON LED LIGHTING CASE STUDY

\$6,700 In Annual Energy Savings By
Updating LED Lighting

SCAN TO VIEW FULL CASE STUDY



Overview

The Safety Source LLC partnered with US Farathane Port Huron to implement a strategic LED lighting upgrade at their production facility located in Port Huron, Michigan. The facility relied on outdated, first generation LED lighting, resulting in excessive energy consumption, high operating costs, and inefficient lighting performance.

Project Objectives

Reduce Energy Consumption:

Significantly cut down on energy usage through the installation of current generation efficient LED lighting.

Improve Lighting Quality: Enhance the overall lighting quality within US Farathane Port Huron facility.

Environmental Impact: Lower the carbon footprint by reducing energy consumption.

Results

Energy Savings: The project achieved an **18%** reduction in energy use across production areas.

Lighting Quality: Upgrading to LED fixtures significantly improved lighting quality, enhancing visibility and comfort, and more than doubling light quality in some areas.

Cost Savings: The upgrade translated into over **\$6,700** in annual energy cost and maintenance cost savings for US Farathane, along with **\$2,400** in rebates.

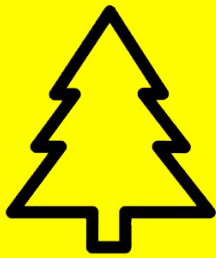
Despite already having LED Lighting, The Safety Source was still able to provide more efficient lighting by updating to current gen LED fixtures.

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Environmental Impact

18% Carbon Reduction
Cars Removed From Road
Equivalency **3**
Number of Trees Planted
Equivalency **206**



Savings & Rebate

Annual Electricity Savings **\$1,747.20**
Annual Maintenance Cost Reduction
\$4,992.00
DTE Energy Rebate **\$2,400.00**



Payback/ROI

1.9 Year ROI
10 Year Warranty on Fixtures

