

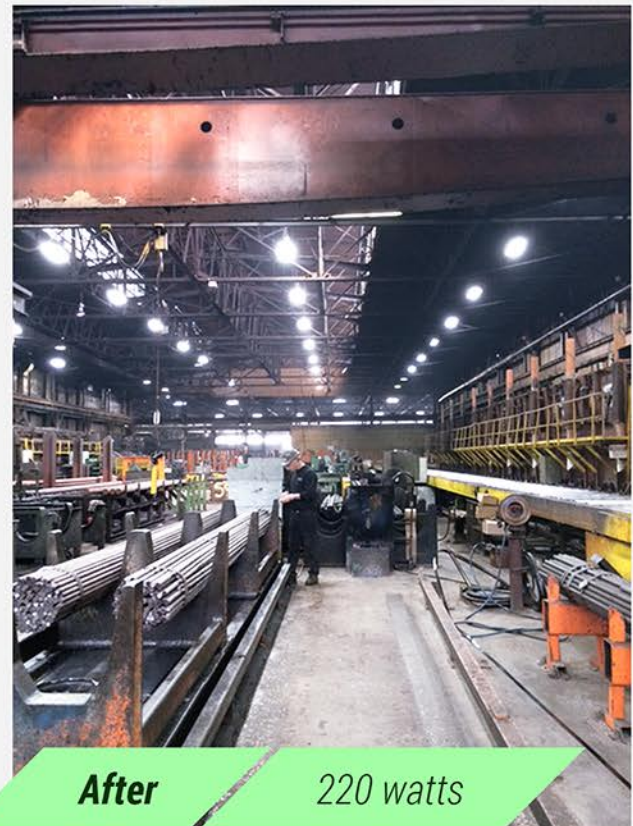
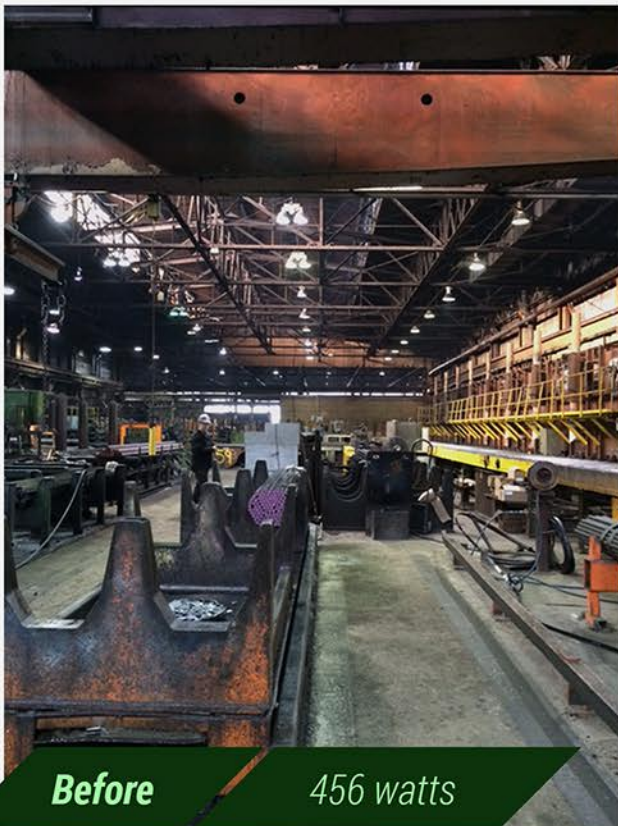
Case Study:

Niagara LaSalle Steel Corp.

By installing a new, more efficient lighting system at Niagara LaSalle Steel Corp. in Hammond, IN., the company saves \$246,000 on their electricity bill annually! With an Illinois utility incentive check of \$170,000, the return on investment for the project was 5 months. Over 2,560,000 pounds of carbon dioxide is kept out of the air each year from the completion of this project - the equivalent of Niagara taking 242 cars off the road or eliminating 1,712 homes from the grid each year! The project was so successful that Niagara LaSalle Steel Corp. hired Verde Solutions for another project at its South Holland, IL facility!

Project Snapshot

Completion Date	6/15/2014
Total Project Cost	\$310,000
Utility Incentive Recv'd	\$170,000
Net Project Cost	\$140,000
Savings per Year	\$264,000
Total Project ROI	5 months



Contact a **Verde Solutions Consultant** today to learn more about energy efficiency upgrades.

www.verdesolutions.com

info@verdesolutions.com

800.541.1137



Our Customer

Niagara LaSalle Steel Corp. is America's largest independent cold-finished steel bar manufacturer. **Niagara LaSalle Steel Corp.** operates eight production facilities across the United States with a combined plant size of 1M sqft. producing 42,000 tons of finished goods annually, is known for its continuous internal improvement through Lean Six Sigma. When **Niagara LaSalle Steel Corp.** looked to lean up its electricity costs at its Hammond, Ind. facility, it turned to **Verde Solutions** for full-service project guidance.

The Solution

Niagara LaSalle Steel Corp. had a variety of lighting needs and worked with a certified **Verde Solutions** engineer to conduct a lighting analysis for the facility. **Verde** identified products that were high performance, tailored to Niagara's needs, and that would deliver additional cost savings.

The majority of **Niagara LaSalle Steel Corp.**'s manufacturing facility was lit by 960 400-watt metal halide lightbulbs. Using photometrics to dictate design changes, **Verde** replaced these with 896 new 4 & 8-lamp full-bodied T5 high bay fixtures with high efficient electronic ballasts. Additional savings were achieved by adding occupancy sensors to minimize wasted lighting. This upgrade alone resulted in 2,552,552 kWh of saved electricity a year!

The office area had old F40 T12 fluorescent 3 & 4-lamp troffers that were wasting 189,675 kWh a year! By replacing them with high performance F32 T8 fluorescent 3-lamps with low factor ballasts, electricity use was reduced by 46%.



Before



After

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