

ELS CASE STUDY

I.B. TECH

QUICK FACTS

- **Project Name:** IB Tech LED Retrofit
- **Location:** North Main Street, Mt. Pleasant, TN
- **Gross Square Footage:** ~169,450



PROJECT DESCRIPTION

Imasen Bucyrus Technology, Inc. (IB Tech) engages in manufacture and sale of automotive seat slide and reclining adjusters. They are a manufacturing partner with Nissan.

In 2012, IB Tech contracted with Energy Lighting Services to retrofit all of the interior lighting in their facility to LEDs. The change in their light levels was extremely dramatic. In addition, the cost savings was able to offset a newly installed air-conditioning system, as the plant has previously been heated only. The executive team was thrilled with the financial benefits.

ELS secured nearly \$30,000 in incentive money for the project, helping to offset the cost. The project had a 55% return on investment (ROI) and provided an annual savings of \$24,739. Retrofitting to LEDs cut their energy consumption by 55% on their lighting system.

Energy Lighting Services

ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$24,739 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



5,632 tree seedlings grown for 10 years



46 passenger vehicles driven for 1 year



217 tons of carbon dioxide gas

KEY PROJECT RESULTS					
Total Cost w/o Incentives	Financial Incentives	Net Cost of Project	Projected Annual Savings	Simple Payback Period	Return on Investment
\$71,947	\$27,310	\$44,637	\$24,739	17 months	72%
Annual Energy Use			Annual Energy Reduction		
Before Project: 559,231 kWh After Project: 249,990 kWh			55%		