



LC Manufacturing

Lake City, MI
New Boston, MI

The Challenge: LC Manufacturing is a closed-die hot-steel forging company that has been specializing in automotive, heavy-truck, agricultural and mining equipment components since 1975. Two of their three locations were seeking an energy efficient approach to meeting their compressed air needs.

The Solution: A Consumers Energy Trade Ally performed a walk-through assessment to show LC Manufacturing how it could save energy and money at all three of its facilities. LC chose to make efficiency upgrades to lighting and compressor controllers, added air compression monitoring systems and installed a new air compressor.

The Result: After upgrading, LC Manufacturing went from running four air compressors to two with an efficient control system. They're saving 744,381 kWh and an estimated \$200,000 each year. They also offset a portion of their upgrade costs, accelerating their ROI, with \$107,491 in incentives. As an added benefit, the upgrades also reduced equipment downtime and maintenance costs.

Project Details

- **Upgrades:**
 - Updated controllers on existing compressors
 - Added air compression monitoring systems
 - Installed new air compressor
 - Upgraded to LED lighting
- **Overall Incentive:** \$107,491
- **Annual Electric Savings:** 744,381 kWh
- **Annual Energy Cost Savings:** \$200,000

Scott Smith, COO/CFO LC Manufacturing

“The upgrades not only reduced our energy cost but created a better work environment and we do less maintenance on air compressors and lighting.”

Energy Savings Performance:

By partnering with the Consumers Energy Business Energy Efficiency Programs, LC Manufacturing earned incentive payments totaling \$107,491 and easily switched to more advanced equipment and systems. To honor their achievements in energy waste reductions, Consumers Energy recognized them as the 2017 Project of the Year – Industrial winner. LC Manufacturing has since reinvested their incentives and savings to continue their energy improvement journey in other locations.



We're here to help

The biggest challenge in reducing energy use in your business is knowing where to start. The industrial energy management team will guide you every step of the way to provide a simplified, hassle-free process.

Get started today

Visit [ConsumersEnergy.com/industrialcs](https://www.consumersenergy.com/industrialcs) and download the application or call **888-674-2770** to learn more.