



LC Manufacturing

Lake City, MI
New Boston, MI

The Challenge - LC Manufacturing is a closed-die hot-steel forging company that, since 1975, has made automotive, heavy-truck, agricultural and mining equipment components. Two of the three locations were seeking an energy efficient approach to replacing its decentralized compressed air system.

The Solution - A preferred Trade Ally performed a walk-through assessment to show LC Manufacturing how it could save energy and money at all three of its facilities. Updates included their lighting, compressor controllers, added air compression monitoring systems and installed a new air compressor.

The Result - After its enhancements, LC Manufacturing went from running four air compressors to two with an efficient control system. Plus, all those improvements created a better work environment and reduced their upkeep costs and downtime. LC Manufacturing received an incentive payment of \$107,491 which led to a savings of 744,381 kWh and \$200,000 in energy costs, annually.

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



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

Scott Smith, COO/CFO
LC Manufacturing

Energy Savings Performance:

Because they partnered with the Consumers Energy Business Energy Efficiency Programs, LC Manufacturing earned incentive payments totaling \$107,491 and easily switched over to more advanced equipment and systems. To honor the hot-steel forging company’s significant achievements in energy waste reductions, Consumers Energy awarded them as the 2017 Project of the Year – Industrial winner. LC Manufacturing plans to use the incentive payments and Project of the Year award check to continue their energy improvement journey in other locations.



We are 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/iep](https://www.consumersenergy.com/iep) and download the application or call **877-607-0737** to learn more.

