



# ENERGY CHAMPION

**Waupaca Foundry - 1st metal caster in the U.S.  
to achieve ISO 50001 certification**

On October 20, 2016, Waupaca Foundry was awarded the accredited ISO 50001 Energy Management Systems (EnMS) certification. The foundry is the first metal caster in the United States to receive this certification. This achievement represents the foresight and ongoing effort of company management, facility, and operations personnel in reinforcing Waupaca Foundry as a leader in energy management in the state and across the nation. In recognition of the tremendous accomplishment of receiving the ISO 50001 certification and of their true energy champion status, Waupaca Foundry was awarded a Focus on Energy 2017 Energy Efficiency Excellence Award in March.

Michael Hoecker and Todd Gunderson were the driving forces behind Waupaca Foundry's successful efforts. Mike served as the company's energy manager; he retired in May 2017. Todd is the environmental engineer at Waupaca Foundry's Division Street plant, one of three gray iron foundries the company operates in Waupaca, Wisconsin.



Pictured (left to right): Joey Leonard (Waupaca), Mike Arndt (We Energies), Scott Hansen (Wisconsin Public Service), Michael Hoecker (Waupaca), Gary Oudenhoven (Wisconsin Public Service), Todd Gunderson (Waupaca), Brian Tesch (Waupaca), Richard Feustel (Focus)

*Waupaca Foundry, Inc., North America's leading supplier of iron castings to the automotive, commercial vehicle, agriculture, construction, and industrial markets, produces gray iron castings, ductile iron castings, HNM™ series high-strength ductile iron, and austempered ductile iron castings using state-of-the-art processes and technology. The manufacturer also specializes in precision machining and assembly. Waupaca Foundry is headquartered in Waupaca, Wisconsin and operates seven iron foundries located in Waupaca, Wisconsin, Marinette, Wisconsin, Tell City, Indiana, Etowah, Tennessee, and Lawrenceville, Pennsylvania. The company operates two machining and assembly plants in Effingham, Illinois, and Wellsboro, Pennsylvania. Waupaca employs approximately 4,400 people. For more information, visit [waupacafoundry.com](http://waupacafoundry.com).*

Waupaca Foundry has a long history of effective energy management prior to achieving the ISO certification. They consistently make concentrated efforts to reduce their environmental impact, and lead the way for the metal casting industry in energy conservation as a result. The organization was a charter member of both the U.S. Department of Energy's Better Plants Program (2009) as well as the Wisconsin Strategic Energy Management Leaders initiative (2015). Establishing a system of continuous energy management through the ISO 50001 standard was a logical next step for the iron casting supplier.

Focus on Energy, Wisconsin utilities' statewide program for energy efficiency and renewable energy, helps eligible residents and businesses save energy and money while protecting the environment. Focus on Energy information, resources and financial incentives help to implement energy efficiency and renewable energy projects that otherwise would not be completed.

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The 12-month intensive effort leading up to ISO certification included creating and implementing a program management structure, identifying and implementing energy efficiency opportunities, gathering and analyzing data to gauge energy consumption and performance, undertaking energy-related trainings and communications measures, and conducting an internal audit to identify and fix shortcomings relative to the ISO standard.

By implementing and maintaining this ISO 50001 certified EnMS, Waupaca Foundry is demonstrating its commitment to improving their energy performance, staying competitive in a challenging business environment and maintaining jobs in the state of Wisconsin.

*“Waupaca Foundry is honored to have been selected for the 2017 Energy Efficiency Excellence Award. It’s good to know that our corporate commitment to sustainability is recognized outside of our organization,”*

*-Energy Manager (Retired)  
Mike Hoecker PE, CEM*

From 2010 to 2016, the company saved over 4.4 million kWh and some 250,000 therms. Focus on Energy provided support in the form of technical assistance and well over \$600,000 in project incentives. Among the more recent project activities are:

- Converting LED lighting throughout the plant’s manufacturing, office, and employee areas. The retrofit effort has replaced inefficient lighting with LED technology, with over 800 energy efficient LED fixtures installed within the past two years.
- Replacing outdated compressors with new, more efficient models throughout the plant. At the same time, ductwork and additional equipment has been installed to capture the waste heat and use it to heat buildings during the colder months.
- Expanding and networking electric and natural gas metering to the newly installed energy management system. The system allows monitoring of real time energy use at departmental levels and archives historic data to allow analysis and comparison of



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