

Powerit Solutions' Energy Director provided us with an easy and affordable way to reduce and manage some of our energy costs.

Adrian Trevino, Facilities Maintenance Manager

Case Study:



Gregg Industries, El Monte, California

Load Management Requirement:

5 - ABB induction furnaces ranging from 1200kW to 4500kW each

Powerit Solution Provided:

Average Monthly Savings: **\$3,000 - 4,000**

Average Peak Demand Reduction: **2300kW/month**

Gregg Industries Decrease in Demand: **24%**

Gregg Industries ROI: **less than 18 months**


Average Foundry Electric Bill Cost Savings: **45%**

Powerit Solution Installed:

Energy Director, April 2004

Gregg Industries is a large gray and ductile iron foundry that specializes in manufacturing high ferrous iron castings for the industrial, automotive, and truck industries. The system is currently producing an average monthly peak demand reduction of approximately 2300 kW, significantly exceeding the originally estimated savings range of 1200-1800 kW per month.

Since commissioning the system, Gregg Industries has been through an entire peak power season producing as much or even more metal with no harm to production or quality. They are better able to monitor production and energy use and are using this information to improve internal efficiency.

A red circular icon containing a white bar chart with seven vertical bars of varying heights, representing energy data.

Foundries operate some of the most energy-intensive processes used in any industry. Induction furnaces, casting crucibles and annealing operations are examples of controllable loads where even small percentage reductions in peak demand can send large savings directly to the bottom line. Typical loads that the Energy Director optimizes

include large-scale foundry and casting operations, sheet rolling, stamping and extrusion, electro-plating and anodizing, heat-treating, air handling & scrubbing, and ferrous and non-ferrous smelting and refining. Working with foundry loads, the Energy Director pays for itself with immediate demand cost savings of 10 – 40 percent and payback on investment in less than 18 months, sometimes less than half a year.

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demand more from the energy you use