

# OFFICE OF INDUSTRIAL TECHNOLOGIES

Technical Assistance Fact Sheet



## Plant Assistance

### OIT PLANT ASSISTANCE HELPS YOU HELP YOURSELF

As an industrial manufacturing plant, you consume large amounts of energy to drive your systems, but you may not be fully aware of the opportunities that exist in your electric motor, compressed air, and steam systems to reduce this energy consumption. Or perhaps you hadn't thought about the opportunities in advanced combined heat and power systems for reducing electrical bills and improving efficiency. The U.S. Department of Energy's Office of Industrial Technologies (OIT) can help.

How does it work? Knowledgeable OIT staff will guide you through the process of identifying energy saving opportunities within your plant. Elements of plant assistance include:

#### BENEFITS

- Increased energy efficiency
- Improved productivity
- Increased reliability
- Reduced downtime and maintenance
- Improved environmental performance
- Improved competitiveness

For more information, call the Information Clearinghouse at (800) 862-2086

#### • Plant profiles

OIT staff will help you assess your annual energy consumption—how it is distributed among major systems and processes, the major applications, and the largest consumers of energy.

#### • Industrial Assessment Centers

OIT sponsors industrial assessments at no charge for small or medium-sized manufacturers. Teams of engineering students from the centers, located at 30 universities around the country, conduct energy audits or industrial assessments and provide recommendations to help you—small and medium-size plants—identify opportunities to improve productivity, reduce waste, and save energy.

#### • Tools and resources

Staff will make you aware of OIT's emerging technology, software tools, and information resources that can assist in identifying and implementing the most cost-effective solutions.

#### • Access to a network of organizations

OIT partners with many industrial companies, equipment manufacturers, distributors, utilities, energy service companies, research institutes, and other organizations that can provide additional support. OIT encourages you to work with resource and equipment suppliers, engineering firms, and other third party entities on targeting and implementing opportunities.



## Gain Recognition

You can even gain national recognition for your leadership in improving energy efficiency and environmental performance. How? OIT will develop case studies and articles showcasing successful energy-efficient projects. Articles will be featured in trade press and OIT's *Energy Matters* newsletter with a circulation of over 20,000. Through these case studies and articles, OIT will promote and encourage replication of best practices to other manufacturing plants.

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## About the Department of Energy's Office of Industrial Technologies

The Office of Industrial Technologies, through partnerships with industry, government, and non-governmental organizations, develops and delivers advanced energy efficiency, renewable energy, and pollution prevention technologies for industrial applications. OIT is part of the Department of Energy's Office of Energy Efficiency and Renewable Energy.

OIT encourages industry-wide efforts to boost resource productivity through a strategy called Industries of the Future. Industries of the Future focuses on the following nine energy and resource intensive industries:

- Agriculture
- Aluminum
- Chemicals
- Forest Products
- Glass
- Metal Casting
- Mining
- Petroleum
- Steel

OIT accelerates research and development of advanced technologies identified as priorities by these industries over a 20-year time frame. To help industries begin to save energy, reduce costs, and cut pollution right away, OIT offers a range of specific technology resources on:

**Motor Systems**—helps industry increase productivity and reliability through efficient electric motor-driven systems.

**Steam Systems**—helps industry enhance productivity, lower production costs, and reduce emissions of its industrial steam systems.

**Compressed Air Systems**—dedicated to improving the efficiency and performance of industrial compressed air systems.

**Combined Heat and Power Systems**—focuses on overcoming barriers that currently exist in implementing combined heat and power systems.

In addition, OIT sponsors 30 university-based Industrial Assessment Centers to help small and medium-size manufacturers identify opportunities to improve productivity, reduce waste, and save energy through comprehensive industrial assessments.



### FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

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DOE/GO-10099-712  
January 1999