

OFFICE OF INDUSTRIAL TECHNOLOGIES

Technical Assistance Fact Sheet



Tools and Information

OIT TOOLS CAN HELP YOU IMPROVE PRODUCTIVITY

The U.S. Department of Energy's Office of Industrial Technologies (OIT) helps manufacturers of all sizes become more productive and competitive through the efficient use of electric motor, steam, compressed air, and combined heat and power systems. How? One way is by providing a wide variety of resources, most of which are available through its one-stop-shop Information Clearinghouse.

Tools

Here are the types of tools and information available to help you achieve cost savings, increased productivity, and improved environmental quality.

Case Studies—document best practices and lessons learned in motor, steam and compressed air systems. Read about what other manufacturers are doing to improve the efficiency of their systems and, in the process, achieve economic benefits.

Software and Databases—help you save money through efficient energy management of your systems. These tools include:

- *ASDMaster*—teaches you how to apply ASDs from a total system perspective.
- *MotorMaster+*—makes your job of managing electric motor-driven systems easier by allowing you to compare repair vs. replace options, analyze savings on utility bills, store and retrieve testing and maintenance history and much more.
- *3E Plus*—calculates the economic thickness of industrial insulation.
- Industrial Assessment Center (IAC) database—contains information on energy, waste, and productivity recommendations made to small and mid-size manufacturing plants by faculty and students from 30 university-based IACs. Downloadable at www.oit.doe.gov/iac.

Newsletter—covers technical articles and innovative, hands-on examples of what industry is doing to improve their operations. Read about the latest news in motor, steam, compressed air, and combined heat and power systems, and IACs on a bimonthly basis.

Technical Publications—include technical fact sheets, reports, and sourcebooks, such as:

- Improving Compressed Air System Performance: A Sourcebook for Industry
- The Energy-Efficient Electric Motor Selection Handbook
- The IAC Self Assessment Workbook
- The Steam Challenge Energy Efficiency Handbook
- Technical fact sheet series on Advanced Combined Heat and Power Systems

BENEFITS

OIT Tools Can Help

Manufacturing Plants:

- Improve reliability
- Reduce downtime
- Save money
- Increase productivity and competitiveness
- Reduce emissions



The Information Clearinghouse is the central access point for products and services on topics covering electric motor, steam and compressed air systems. Knowledgeable staff are on hand to answer questions, provide advice, and disseminate products. For publications on motor, steam and compressed air systems call the Information Clearinghouse at (800) 862-2086. For information and products on Combined Heat and Power and the IACs, call the OIT Resource Room at (202) 586-2090.

Access the Web site at www.oit.doe.gov for a complete list of available products. You can even gain immediate access to many products by downloading them off the site. The Web site also contains general information about OIT programs, lists training opportunities, and provides links to other pertinent sites.

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:

The Information Clearinghouse
Motor, Steam, and Compressed Air
Phone: (800) 862-2086
Fax: (360) 586-8303

The OIT Resource Room
Phone: (202) 586-2090
Fax: (202) 586-1658

Please send any comments,
questions, or suggestions to
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