

# OFFICE OF INDUSTRIAL TECHNOLOGIES

Technical Assistance Fact Sheet



## Training

### TRAINING SESSIONS AND MATERIALS PRESENT WAYS TO IMPROVE SYSTEM EFFICIENCY

Interested in learning about innovative ways to improve the efficiency of your plant's steam, electric motor and compressed air systems? The U.S. Department of Energy's Office of Industrial Technologies (OIT) offers training sessions, teleconferences, and training materials to teach you ways to reduce energy, save money, and reduce waste through system optimization.

#### BENEFITS

Training in compressed air, steam, and electric motor systems will help attendees:

- Cut operating costs
- Improve reliability
- Decrease maintenance
- Improve environmental performance

For information on scheduled dates, call (800) 862-2086 or access the Web at [www.oit.doe.gov](http://www.oit.doe.gov)

#### Training Sessions

##### ASDMaster

Learn all about ASD applications and *ASDMaster* software. Industrial end users, utility account management staff or equipment suppliers/distributors will be interested in attending these workshops. Attendees will find out how to perform energy analysis of potential ASD applications, analyze economic benefits, compile ASD specification and bid lists, and much more.

##### Compressed Air Systems

Find out how to improve productivity, energy savings and profitability through better planning and operation of compressed air systems. Training is targeted to plant engineers, maintenance supervisors, and other industry personnel responsible for compressed air systems within an industrial or commercial setting. Attendees will learn how to calculate energy costs, how to cut operating costs of these systems, and strategies for improving system efficiency and reliability.

##### Pump Systems

Learn how to optimize your municipal and industrial pump systems through a series of workshops to be held across the country. Through presentation materials and case studies, attendees will learn about efficient technologies and what others have done to improve their pump systems. Attendees will receive handouts and the Pump System Assessment Tool to help get them started on improving pump system performance.

##### Steam Systems

Through a variety of resources provided through the Steam Challenge Program, you can find out ways to improve the performance of your steam systems. Whether it is one-day sessions or multi-day conferences, attendees will receive valuable information on strategies for efficient steam system application.



## Training Materials

### Modules

Training modules are available on topics such as Motor System Management, Motor Basics, Repair/Replace Decision-Making Policy. Training modules include slides, trainer notes, and handout materials.

### CD-ROM Training

To help users master the *MotorMaster+ 3.0* software, OIT has developed a CD-ROM training course. It includes step-by-step exercises and presents problems for you to solve using the *MotorMaster+* software. To see how much you have learned, there is a final quiz.

---

## 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

Please send any comments,  
questions, or suggestions to  
[webmaster.oit@ee.doe.gov](mailto:webmaster.oit@ee.doe.gov)

Visit our home page at  
[www.oit.doe.gov](http://www.oit.doe.gov).

Office of Industrial Technologies  
Energy Efficiency  
and Renewable Energy  
U.S. Department of Energy  
Washington, DC 20585



DOE/GO-10099-714  
January 1999