System Efficiency Training…practical, flexible, measurable, cost-effective, recognized

Specialist Qualification Training

Operating your plant at optimal efficiency with increased reliability requires staying current with technological advances and software tools. Take part in the U.S. Department of Energy's (DOE) Industrial Technologies Program (ITP) Specialist Qualification Training to keep pace with these improvements.

Specialist Qualification Training can help you identify cost-cutting opportunities that improve energy and operating efficiency and run your plant more efficiently. Use your increased knowledge in industrial systems and the DOE system analysis tools to reduce costs, decrease maintenance and downtime, as well as improve productivity.

Experienced industry professionals can participate in Specialist Qualification Training in specific DOE-developed assessment and analysis software tools. After completing the rigorous training, you will be recognized by DOE as a Qualified Specialist and can apply these tools to help your plant or industrial customers identify ways to improve system efficiency. You must attend and successfully complete the training in its entirety, including a written exam, before you can be listed as a Qualified Specialist and receive all the benefits that designation provides. Completion of the associated end-user training significantly increases the success rates of the Specialist Qualification Training.

Consider Specialist Qualification Training if:

- You have substantial knowledge or experience in one of the Specialist Qualification topic areas
- You are interested in and committed to successfully completing the demanding curriculum and written exam
- You want to expand your expertise and be recognized by peers and customers for the added value you bring.

Specialist Qualification sessions are available in:

Process Heating

Process Heating Assessment and Survey Tool (PHAST) Qualification

PHAST can help you reduce operating costs and improve the thermal efficiency of heating equipment. PHAST surveys process heating equipment and then identifies the most energy-intensive equipment. This 2½-day training covers how to use PHAST; what information sources, instruments, and measurement devices to use for data collection; how to evaluate a process heating system; and how to develop a measurement plan.

Successful completion earns DOE recognition as a Qualified PHAST Specialist. You can then work with your customers or within your plant to accurately gather pertinent system information and provide realistic "what if" scenarios for process heating system operation.

Steam

Steam System Qualification

In many facilities, steam system improvements can save 10% to 20% in fuel costs. To help you tap into potential savings in your facility, DOE offers a suite of tools for evaluating and identifying steam system improvements.

After completing this 2½-day training, you will be proficient in the use of BestPractices' steam tools and earn recognition as a Qualified Steam Tool Specialist.

You can then use these tools in your plant or assist your industrial customers in using them to evaluate steam systems.

The session gives you a thorough understanding of:

- Steam System Survey Guide
- Steam System Scoping Tool (SSST)
- Steam System Assessment Tool (SSAT)
- 3E Plus Insulation Appraisal Software

Compressed Air

AIRMaster+ Qualification

AIRMaster+ is a powerful tool that assesses system operation, models "what if" scenarios for possible improvements, and evaluates the potential impact of energy-saving measures to compressed air systems. This 3½-day training explains how the software works, how to collect field data, how to enter data, and how to interpret the results.

As a Qualified AIRMaster+ Specialist, you will be recognized by DOE and the Compressed Air Challenge® for your ability to apply the AIRMaster+ software.

Pre-requisite: Advanced Management of Compressed Air Systems (end-user training)

Fans

Fan System Assessment Tool (FSAT) Qualification

FSAT is powerful analysis software that helps quantify the potential benefits of optimizing your fan systems. Use the tool to calculate fan system energy use and estimate system efficiency. This 2½-day training looks at fan system performance characteristics and practical issues concerning measurement data. Learn how to use the software, what input data is required, and how to interpret assessment results to help your plant or industrial customers implement efficiency improvement measures.

By successfully completing this advanced training, DOE recognizes you as a Qualified FSAT Specialist who can apply FSAT help your plant or industrial customers identify ways to improve fan system efficiency.

Pumps

Pumping System Assessment Tool (PSAT) Qualification

PSAT estimates existing pump and motor efficiency and calculates the potential energy and cost savings a system can obtain when it is optimized to work at peak efficiency. Take part in this 2½-day training to learn how to acquire input data for PSAT, prescreen pumping systems, select systems for review, and implement PSAT. This training also introduces the importance of a system perspective.

After successfully completing this training, DOE recognizes you as a Qualified PSAT Specialist who can implement PSAT for industrial customers or in your plant to evaluate pumping systems and identify ways to improve pump system efficiency.

End-User Training

In addition to Specialist Qualification Training, DOE offers a related end-user training curriculum. Corresponding end-user sessions are highly recommended to increase your potential to successfully complete the Specialist Qualification Training. However, on its own, end-user training is the right choice if you are involved in system or plant operations, engineering, or management and want to increase your skill and knowledge of efficient plant system operations. End-user workshops are available in compressed air, electric motor, fan, process heating, pump, and steam systems.

Find Out More Today

Becoming a Qualified Specialist has its advantages. As a Qualified Specialist, you will be in a unique position to help further the energy efficiency mission and energy-efficient technologies. Another key benefit is the added credibility that being a Qualified Specialist lends to you and your organization. And, being a Qualified Specialist provides potential customers with direct access to you via the BestPractices Web site.

Take full advantage of BestPractices training! It can help increase your knowledge of energy management, significantly cut costs, and streamline and increase productivity at your plant by identifying energy savings opportunities.

For more information, and to locate upcoming Specialist Qualification Training and end-user training in your area, visit the ITP BestPractices Web site at *www.eere.energy.gov/industry/bestpractices*, where you can also access other BestPractices resources. Or, contact the EERE Information Center, 877-337-3463 (877-EERE-INF), or via e-mail at *eereic@ee.doe.gov*.

A Strong Energy Portfolio for a Strong America
Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

For more information contact: EERE Information Center
1-877-EERE-INF (1-877-337-3463) www.eere.energy.gov
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