

Industrial Energy Assessment 101 March 23, 2009

Register On-line: www.mfgsolutions.org

Mail or Fax Registration Form to:

Ms. Tovia Chan, AMS
432 Main St., Suite 200 / Little Rock, AR 72201
Fax: 501.683.4420

Registration Form:

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Payment must be received before class/seminar.

Additional information available at 501.683.4410
or tovia.chan@mfgsolutions.org.

Copy this form for additional attendees.

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**Register Today for
Industrial Energy
Assessment 101 at
www.mfgsolutions.org
Deadline March 16, 2009**

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Industrial Energy Assessment 101



Learn the basics of
how to conduct your own
facility energy
assessment.

March 23, 2009
Fayetteville, AR

Sponsored by
Energy Efficiency Arkansas

A partnership between the
Arkansas Energy Office and
Arkansas investor owned
electric and gas utilities.

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ENVIRONMENTAL
ENERGY, HEALTH AND
SAFETY

Bottom-line results for your business.

Workshop Overview

Energy supply disruptions and price volatility are impacting manufacturers' bottom line. To help manufacturing facilities save energy and thrive during this time of diminished supplies and rising energy costs, the Energy Efficiency Arkansas program is sponsoring this workshop on how to start your own Energy Assessments.

Energy is the lifeblood of manufacturing. The energy lifecycle begins with the efficient use of energy in manufacturing. Fuel and electric power for steam, process heating and motor-driven systems consume almost half the energy used in the U.S. industrial sector.

Industrial Energy Assessment 101

will provide you with the basic information needed to begin self-identifying opportunities to reduce system energy losses, boost efficiency and save energy and money. Fine-tuning these systems offers your company potential to yield large savings

This seminar is the third in a series of sponsored industrial energy workshops.

Workshop Topics

1. Industrial energy in the U.S.
2. Requirements of a successful energy management program
3. Energy auditing techniques and necessary tools
4. Understanding utility rates
5. Basic energy and power calculations
6. Basic energy and material balances
7. Common electric energy conservation opportunities
8. Common fuel-fired energy conservation opportunities
9. Addressing your specific facility needs
10. Utility incentive programs

Workshop Savings Benefits

- Lower production costs
- Environmental compliance
- Reduced waste
- Increased productivity
- Improved competitiveness
- Economic strength
- Environmental quality
- National security
- Improved corporate image and community relations

Workshop instructor

Dr. **Darin Nutter** is an Associate Professor in the Department of Mechanical Engineering at the University of Arkansas. He received his B.S. and M.S. in Mechanical Engineering at Oklahoma State University and his Ph.D. from the Mechanical Engineering Department's Energy Systems Laboratory at Texas A&M University. Dr. Nutter is a registered professional engineer in Arkansas.

Dr. Nutter is the director of the Laboratory for Energy Systems Studies. He currently performs industrial assessments/audits for small- and medium-sized manufacturing plants for the U.S. Department of Energy's Industrial Assessment Center Program and the Arkansas State Industrial Assessment Program. Over his career, he has performed approximately 100 energy assessments/audits. Dr. Nutter is a member of the American Society of Heating, Refrigerating, and Air-conditioning Engineers (ASHRAE) and the American Society of Mechanical Engineers (ASME).

Registration

\$30 per attendee (materials included)
Deadline to register is March 16, 2009

Location

Clarion Inn, Terrance 3&4
1255 S Shiloh Drive, Fayetteville, AR

Schedule

March 23, 2009
Registration and Breakfast: 8:30-9:00
Workshop: 9:00-3:30 (lunch included)