



**Alabama
Technology
Network**

The University of Alabama in Huntsville

Practical Energy Services and Training

Description

Our Practical Energy training educates businesses and their employees on what they can do to minimize energy consumption. These course modules are not laden with heavy theory, but instead are filled with practical ideas a company can immediately implement to slash their utility bill and improve their bottom line. Practical Energy services and training provide low-cost solutions for saving energy typical paybacks of 20-to-1.

Objectives/Topics

- Energy management:
 - Vision, strategy, plan, savings goal, mentoring, etc.
- Energy engineering:
 - Onsite assessments, energy-saving solutions, implementation assistance.
- Energy Training:
 - Lights
 - Heating, Ventilation, Air Conditioning (HVAC)
 - Boiler, Steam, and Hot Water Systems
 - Industrial Ventilations, Fans, Dust Collectors
 - Motors
 - Conveyors
 - Compressed Air
 - Production Equipment, Hand Tools (Pneumatic, AC, DC, etc.)
 - Chillers and Cooling Towers
 - Renewables (Solar Heat, Photovoltaic, Wind, Geothermal, etc.)
 - Special Process Energy Analysis (Refrigeration, Heating-drying, etc.)
 - Overall in/out Analysis to Identify/Recover Energy Wastes
 - Plus, customized energy training services (for anything your company is spending energy \$ on)

Simulation

First, demonstration is provided by instructor of effective, but simple-to-use energy analysis instruments, tools, etc. Second, attendees will participate in hands-on usage for applying/doing energy analysis including calculation of payback (typically 20-to-1) plus energy checklists and software. Hands-on usage is done first in class, then in your workplace (if available).

Course Length

Each module is 2-hours long. Course length varies by number of topics selected.

Class Size

8-15 participants

Cost Varies by number of modules selected.