

# Energy Auditing Professional (EAP)



The Energy Auditing Professional (EAP) training and certification program has been developed based on the 30+ years of international experience of IJET's parent company, Econoler, in carrying out energy audits in commercial, industrial and institutional facilities. This 3-day program provides participants with the knowledge required to perform any type of audit, ranging from walk-through audits to investment-grade audits, as well as the flexibility to apply different auditing standards like ISO 50002 or ASHRAE.

## Topics Covered

- Contexts for energy auditing
- Types of energy audits
- ISO 50002, ISO 13980 and ASHRAE
- Scope/alignment with facility owner objectives
- Historical energy data analysis
- Comparative analysis of energy performance
- Drawings and specification analysis
- Discussion with operators and managers
- Measurement and instrumentation
- Demand profile analysis
- Load and energy usage inventory
- Requirements for light level, comfort, indoor air quality
- Thumb rules for identifying energy efficiency (EE) opportunities
- Energy management opportunities
- EE in electrical systems (lighting, fans, air conditioning, pumps, chillers, etc.)
- Thermal saving opportunities (boilers, water and steam distribution, controls, heat recovery)
- Building automation systems and controls
- Economic and financial analysis
- Business case assessment
- RETScreen, Edge and other high-level tools
- Hourly simulation systems
- Reporting for implementation

## Target Clientele

Specialists supervising and managing facility energy audits and energy management programs, including:

- Energy engineers and consultants
- Current energy auditors seeking certification
- New energy auditors
- Plant and facility engineers
- Energy managers
- ESCO professionals
- Energy performance contracting specialists
- Organizations considering energy projects
- Energy analysis instructors



## Logistics

Visit [iiet.com](http://iiet.com) for more information on training options and registration or contact us at [info@iiet.com](mailto:info@iiet.com).