

## Certified Energy Manager Training

When you have earned the right to put the initials CEM<sup>®</sup> behind your name, you have distinguished yourself amongst energy management professionals.

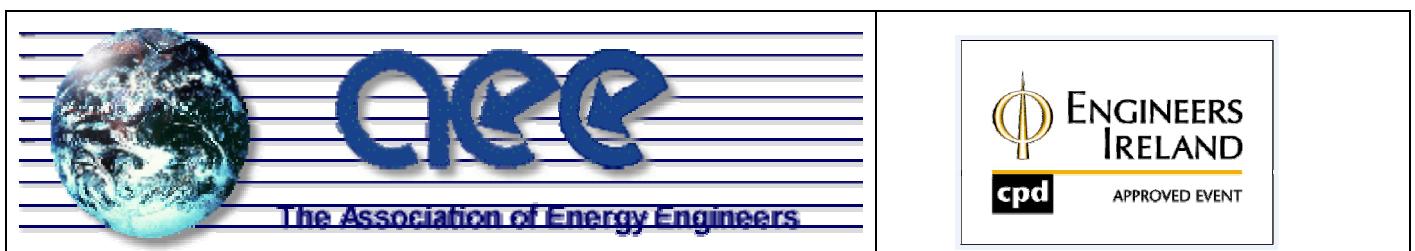
The designation CEM<sup>®</sup>, which stands for Certified Energy Manager, recognizes individuals who have demonstrated high levels of experience, competence, proficiency, and ethical fitness in the energy management profession.

By attaining the status of CEM<sup>®</sup>, you will be joining an elite group of 6,000 professionals serving industry, business and government throughout the U.S. and in 22 countries abroad. These high-achieving individuals comprise a "Who's Who" in the energy management field

The CEM<sup>®</sup> qualification is awarded by the Association of Energy Engineers<sup>®</sup>, based in the USA, with chapters in 77 countries worldwide.



**Eirdata Energy** is the sole licenced provider for the Certified Energy Manager Training course in Ireland & the UK.



### Companies & People who would benefit:

- Those considering certification to Energy Managements Systems: CEN 16001 (draft) and ISO50001 (Draft)
- Engineering Managers
- Facility Managers
- Energy team member
- Energy Managers
- Energy Team Leaders
- Commissioning personnel.
- Design Engineers
- Senior Technicians
- Energy Consultants

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## Methodology

### ***Eirdata present the CEM in a number of different ways:***

1. 5-day public course presented by Eirdata at any location in a 1 x 5 day format.
2. 6-day public course presented by Eirdata at any location in various formats, e.g. 2x 3 day.
3. Either of the above in an industrial setting where the course is contracted by an individual organisation.

The course is presented in a lecture and discussion format, with an open book 4 hour examination on completion.

Where an individual meets the pre-qualification, experience, and required examination mark, the CEM qualification will be awarded by the Association of Energy Engineers.

## Course Content

- Need For energy Management.
- Conducting an energy Audit.
- Energy audit Instrumentation.
- Energy accounting & benchmarking
- HVAC systems and improvements
- Boilers & Thermal systems.
- Motors & drives applications, and compressed air systems.
- Maintenance
- Commissioning.
- Economical analysis and life cycle costing
- Alternative Energy
- Energy Efficient Buildings.
- Energy Coded & Standards.
- Energy Purchasing.
- Energy rate structures.
- Thermal energy storage.
- Electrical systems.
- Energy management systems and effective planning.
- Industrial systems, co-generation & CHP
- Building Automation systems.
- Lighting systems and system improvements

Our other energy management services dovetail with the requirements of an effective energy management system.

These include:

- Energy audits
- Bespoke Energy Training services
- Retro-commissioning services
- Carbon Management Programmes
- Renewable energy feasibility studies
- Monitoring and Targeting

## **SEI Awarded - Energy Service Company of the Year - 2007**

Eirdata is an energy consultancy based in Cork, Ireland. We have clients in Ireland, UK, Europe and China. Many of our clients are multinational organisations.

### **Eirdata**

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