



## Certified Industrial Energy Professional

An Industry Recognized Certification for Industrial Energy Management Professionals

### Who are Certified Industrial Energy Professionals?

- Are you a technical or operations engineer responsible for optimizing the system's performance of industrial equipment, such as instrumentation, controls, pumps, motors, drives and compressed air systems?
- Are you a consultant that specializes in the energy efficiency of plant, manufacturing or industrial facilities?
- Are you an industrial plant manager responsible for energy or utility costs for your facility?

Industrial energy professionals ensure that industrial plants and manufacturing facilities are operated and maintained to the highest performance while using the lowest amount of energy possible. Using proven energy management systems and audit processes, such as ISO50001 and ISO50002 they help identify inefficiencies and define energy strategies for reducing costs. As technical experts, they understand the varied equipment and systems used throughout industry and can leverage this knowledge to improve overall systems performance.



#### What does the Certified Industrial Energy Professional (CIEP™) Certification Program offer?

This program helps educate and qualify individuals involved in energy management for industrial applications or manufacturing facilities. By obtaining the CIEP certification, candidates gain industry and peer recognition by demonstrating their understanding of core principles, practices, and technologies. The program also raises the professional standards, both technical and ethical, of those engaged in the industry.

#### What is the bottom line for me or my company?

Gaining a wide-reaching and industry-recognized certification is always a personal and financial investment. Individuals report career improvements in the form of salary and responsibility increases. The certification shows individuals hold a fundamental understanding of the profession and a commitment to the highest standards of quality. Companies, organizations, and consultants with a CIEP on-staff often see a higher affinity with their customers because CIEPs understand their customer's requirements and are trusted subject matter experts.

[aeecenter.org/ciep](http://aeecenter.org/ciep)

## What functional areas does the CIEP™ Certification Program cover?

The certification program requires fundamental knowledge across several core principles and practices specific to industrial energy management. These include:

- Fundamentals to Industrial Energy Audits and Energy Management Systems
- Instrumentation and Controls
- Energy Investigation Support Tools
- Fuels, Furnaces, and Fired Equipment Basics
- Plant Water Systems
- Heat Exchange Systems
- Boiler and Steam Systems
- Electric Motors & Drives
- Pump Systems
- Fan Systems
- Compressed Air systems

## How do I become eligible for AEE's CIEP™ certification?

Every certification program offered by AEE is defined by strict standards to ensure the program maintains its industry-wide recognition and credibility. To that end, AEE stipulates three criteria that all CIEP candidates must meet. Firstly, applicants must have relevant experience or educational credentials (see below). Secondly, candidates must undergo a defined training program that aligns with the fundamental knowledge base of the program, and the principles and practices of the industry as a whole. Thirdly, candidates must pass the associated exam to demonstrate their technical knowledge, proficiency, and abilities in the area of industrial energy management.

### Experience & Education

Applicants must meet one of the following eligibility criteria:

- Hold a related\* bachelor's degree OR Professional Engineer (PE) OR Registered Architect (RA) and 2+ years related\* work experience.
- Hold a 4-year unrelated Bachelor's degree and 3+ years related\* work experience.
- Hold a 2-year associate degree and 4+ years related\* work experience.
- Have 6+ years related\* work experience
- Be a current Certified Energy Manager (CEM®).

\*Related degree in technology, plant engineering, industrial engineering, mechanical/electrical engineering and related experience in manufacturing or industrial facilities or plant facilities operations.

## Why would I want to take a training program when I believe I already have the knowledge and experience required to pass an exam?

A CIEP training program provides more value than only preparing individuals to take the associated exam. It brings all candidates to a base level of understanding for improving energy efficiency in industrial applications or manufacturing facilities.

For those entrenched in their normal daily activities, attending a training program, held away from the office, in a classroom environment can be a catalyst for improvement and change. For many, the chance to network, connect, and learn from other like-minded individuals is incredibly valuable.

## I obtained my CIEP™ Certification, where do I go next?

The CIEP certification can help define your status as an energy professional and help progress your career. Once complete, make sure you maintain your account and keep track of your certification on [aeecenter.org](http://aeecenter.org). You can also keep up to date on energy management practices and technologies by joining your local AEE Chapter. Energy professionals continuously tell us that they stay ahead in the industry by getting involved in their local community.

[Find Your Local AEE Chapter](#)

## Which companies and industries value an AEE certification?

You can find AEE certified professionals across markets and industry sectors, from utilities, ESCOs, major multi-national corporations, power companies, respected controls contractors, and manufacturers, to federal, state, and local governments, military, universities, and school boards. Many of these organizations require a certification as a condition of hiring or a requirement for advancement. Government organizations request certified professionals within “Requests for Proposals.” The following list is a sample of companies across a wide range of industries that have demonstrated they value AEE certified professionals.

- 3M
- 3M Canada
- Abbott Laboratories
- AK Steel
- ALCOA
- Alliance to Save Energy
- American Axle & Manufacturing
- Amgen
- Anheuser Busch
- ArcelorMittal
- Archer-Daniels-Midland
- AstraZeneca
- Atlas Copco Canada
- Baxter Healthcare
- Bayer Corporate & Business Services
- Bechtel National
- BMW Manufacturing Corporation
- Boeing
- BP North America
- Briggs & Stratton Corporation
- Bristol Myers Squibb
- Burrows Paper Corporation
- CalsonicKansei North America
- Cargill
- Carrier Corp - UTC
- Caterpillar Inc
- CEMEX, Inc.
- Chevron
- Chrysler
- Conoco Phillips
- Cummins
- Dana Holdings Corporation
- Deere & Co.
- Dell, Inc
- Delphi Corporation
- Duracell
- Eastman Chemical Company
- Eli Lilly & Company
- Eurocan Pulp and Paper
- ExxonMobil
- Fluor
- Ford Motor Company
- Freescale Semiconductor
- Frito-Lay, Inc.
- Fruit of the Loom
- GE Energy
- GE Wind Energy LLC
- General Mills Inc.
- General Motors Energy & Utilities Services Group
- General Motors of Canada
- Georgia Tech Enterprise Innovation Institute
- GlaxoSmithKline
- GM - Brazil
- Goodyear Tire & Rubber Co
- Harley-Davidson Motor Company
- Hess
- Hewlett-Packard
- Hormel Foods
- IBM
- Intel
- John Deere
- Johnson & Johnson
- Kimberly-Clark
- Kraft Foods
- La-Z-Boy Inc
- Lockheed Martin
- Lone Star Steel Company
- Masco Corporation
- McCain Food USA
- Merck
- MillerCoors, LLC
- Motorola
- Nalco Company
- Nestle Purina Pet Care.
- Nestle USA, Inc.
- Northrop Grumman
- Novartis
- Owens Corning
- Papa John’s International
- Penske Truck
- PepsiCo
- Petrobras
- Pfizer
- PPG Industries
- Pratt & Whitney
- Pratt & Whitney Canada
- Procter & Gamble Mfg. Co.
- QuikTrip Corporation
- Raytheon
- Rockwell Automation
- RR Donnelly
- Sanofi-Aventis
- Shaw Industries, Inc.
- Shell Global Solutions
- Sherwin-Williams
- Sikorsky Aircraft Corporation
- Standard Motor Products, Inc.
- Subaru of Indiana Automotive, Inc
- Sunoco, Inc.
- The Dow Chemical
- Towson University
- Toyota
- Tropicana Products, Inc.
- U.S. Steel
- Unilever
- United Technologies
- US DOE
- US EPA
- US Steel
- Vought Aircraft
- Wal-Mart
- Walt Disney
- Weyerhaeuser Company
- Whirlpool
- Wyeth
- Xerox
- Yum! Brands, Inc.

**Find A  
Certified Professional  
Near You**  
AEE Certified Professionals Directory