



50001 Certified Professional

An ineffective energy management system is a burden on an organization. By achieving the 50001 Certified Professional Status you can demonstrate clearly that you know how to make an EnMS deliver value for an organization.

Who are 50001 Certified Professionals?

The ISO 50001 Certified Professional (50001 CP) is an individual that can implement 50001 in a competent, practical, and professional manner within an organization where they have the technical knowledge to apply it. 50001 CP's demonstrate competency in the following areas that are included in the 50001 CP Body of Knowledge to gain certification: personal, general understanding, management systems, analysis, technical.



What does the 50001 Certified Professional (50001 CP) Certification Program offer?

The certification program offers the opportunity to explore the nuances of the standard and fully understand how the EnMS can be operated in an organization to drive energy efficiencies, cost improvements, and emissions reductions without the bureaucracy typically associated with management systems. It offers an opportunity to engage with your peers and discuss approaches, what works, and what causes issues. It also allows learning from people with decades of experience in energy management systems.



What is the bottom line for me or my company?

Gaining a wide-reaching and industry-recognized 50001 CP certification is a personal and financial investment. Individuals report career improvements in the form of salary and responsibility increases. This certification shows that individuals have a fundamental understanding of the profession and a commitment to the highest standards of quality. Companies, organizations, and consultancies with 50001 CP's on-staff often see a higher affinity with their customers because they understand their customer's requirements and are trusted subject matter experts.

What functional areas does the 50001 CP program cover?

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

- Personal Competencies
- General Understanding Competencies
- Management Systems Competencies
- Analysis Competencies
- Technical Analysis Competencies
- Technical Competencies

aeecenter.org/50001-cp

How do I become eligible for AEE's 50001 CP Certification?

Every certification program offered by AEE is defined by strict standards to ensure that each program maintains its industry-wide recognition and credibility. To that end, AEE stipulates three criteria that all 50001 CP 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 areas of energy management.

Experience & Education

Applicants must meet one of the following eligibility criteria:

- 4-year engineering/architectural degree OR Professional Engineer (PE), Chartered Engineer (C.Eng) OR Registered Architect (RA)** and 3+ Years related* experience
- 4-year degree in technology, environmental science, physics, or earth science** and 4+ years related* experience
- 4-year degree in business (or related field)** and 5+ years related* experience
- 2-year energy management associate degree** and 6+ years related* experience
- 2-year associate degree** and 8+ years related* experience
- NONE and 10+ years related* experience

* Related experience requires experience in both energy engineering/ energy projects and energy management systems. Individuals undertaking the certification examination will be expected to have a strong understanding in all aspects of energy management that would be typically encountered in a reasonably large commercial building. Persons holding CEM or CEA certification or similar could be reasonably expected to have the level of technical knowledge required. Candidates will also be expected to have a reasonably strong understanding of the structure of ISO management standards and their application in organizations. This is NOT intended as an introduction certification to ISO 50001 or as an introduction to energy management.

** OR equivalent degree / qualification

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 50001 CP training program provides more value than only preparing individuals to take the associated exam. It brings all candidates to a base level of understanding across a wide variety of energy management and sustainability topics. For those entrenched in their normal daily activities, attending a training program, being 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 50001 CP certification, where do I go next?

The 50001 CP 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. 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 become industry leaders by getting involved in their local communities.

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