BEYOND
SMART CITIES
CERTIFIED INDUSTRIAL ENERGY PROFESSIONAL
CIEP TRAINING PROGRAM
FOR INDUSTRIAL ENERGY SPECIALISTS
KRISHNAJI PAWAR,LEED AP BD+C,GSAS CGP,ISO 14001:2015,GCP
ENERGY SPECIALIST CURRICULUM

BEYOND
SMART CITIES
SUMMARY AND RESOURCES
CIEP TRAINING PROGRAM
FOR INDUSTRIAL ENERGY SPECIALISTS
KRISHNAJI PAWAR,LEED AP BD+C,GSAS CGP,ISO 14001:2015,GCP
ENERGY SPECIALIST CURRICULUM

SUMMARY
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 and Electric Motors & Drives
Pump Systems,Fan Systems and Compressed Air Systems

THE VALUE OF CIEP CERTIFICATION

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.

Enhanced professional credibility and Increased job opportunities

Get CERTIFIED INDUSTRIAL ENERGY PROFESSIONAL - CIEP Credentials in your CV

WHAT DOES THE CIEP TRAINING 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 DOES A CIEP DO?

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.

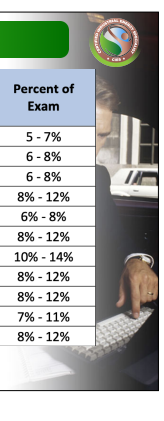
As technical experts, they understand the varied equipment and systems used throughout industry and can leverage this knowledge to improve overall systems performance.

AFTER CIEP CERTIFICATION

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. 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.

Rising energy costs and inefficiency in plants and industrial facilities is continually driving the need for trained and experienced industrial energy professionals. The CIEP certification recognizes professionals as having the required knowledge and experience needed to succeed in the growing field of industrial and manufacturing energy efficiency.



BODY OF KNOWLEDGE

	Body of Knowledge	Percent of Exam
1	Fundamentals to Industrial Energy Audits and Energy Management Systems	5 - 7%
2	Instrumentation and Controls	6 - 8%
3	Energy Investigation Support Tools	6 - 8%
4	Fuels, Furnaces, and Fired Equipment Basics	8% - 12%
5	Plant Water Systems	6% - 8%
6	Heat Exchange Systems	8% - 12%
7	Boiler and Steam Systems	10% - 14%
8	Electric Motors & Drives	8% - 12%
9	Pump Systems	8% - 12%
10	Fan Systems	7% - 11%
11	Compressed Air Systems	8% - 12%

RESOURCES

https://www.aeecenter.org/certified-industrial-energy-professional/

https://knowledgelab.beyondsmartcities.in/index.php/category/guides/

Industrial Energy Systems Handbook Williams Albert

BEYOND
SMART CITIES
THANK YOU
CERTIFIED INDUSTRIAL ENERGY SPECIALIST
CIES
THE WORLD'S 1ST GREEN TECHNOLOGY
MARKETPLACE