BLACKBIRD FOR TRAINING

Certified Building Energy Management Professional (BEM)

26 – 30 April 2027
Cape Town (South Africa)



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Introduction

The Advanced Certified Building Energy Management Professional BEM course is a comprehensive program tailored for professionals looking to elevate their expertise in building energy management and stay current with the latest industry advancements. This course focuses on equipping participants with in-depth knowledge of advanced energy auditing methodologies, cutting-edge energy technologies, and best practices in energy efficiency building strategies. Through real-world case studies and practical applications, participants will gain the skills needed to conduct building energy assessments, improve building energy efficiency, and ensure energy compliance within building operations.

Course Objectives

The Advanced BEM course aims to:

- Provide a comprehensive understanding of advanced concepts and methodologies in building energy audits and energy management.
- Explore the latest trends and developments in building energy analysis, assessment techniques, and energy-efficient building technologies.
- Develop advanced skills in conducting detailed building energy audits and assessments, evaluating systems, infrastructure, and operational processes.
- Learn advanced strategies for identifying energy efficiency improvement areas and implementing sustainable practices in building energy management.
- Enhance knowledge of building energy compliance and regulatory requirements in energy auditing.
- Acquire advanced skills in data collection, analysis, and preparing reports for building energy assessments.
- Understand the role of technology, automation, and digital tools in modern energy audits and assessments.
- Explore innovative approaches to energy-efficient building practices, measurement, and performance benchmarking.



Course Outlines

Day 1: Introduction to Building Energy Management

- Overview of building energy management and its significance in sustainable building operations.
- Introduction to the Certified Building Energy Management Professional BEM certification.
- Advanced methodologies and frameworks for conducting building energy assessments.
- Legal, regulatory, and compliance considerations in energy audits for buildings.

Day 2: Advanced Energy Assessment Techniques

- Advanced techniques for evaluating building energy systems and overall energy performance.
- Utilizing technology and automation tools in building energy audits.
- Introduction to advanced measurement and monitoring tools in building energy management.
- Exploration of emerging building energy technologies and their role in modern energy management.

Day 3: Comprehensive Building Energy Assessment Process

- Conducting detailed building energy audits and energy assessments.
- Assessing building infrastructure, including electrical systems, HVAC, plumbing, and critical systems in relation to energy use.
- Evaluating maintenance practices and asset management with a focus on energy efficiency building methods.
- Analyzing building energy consumption and implementing strategies to improve energy efficiency.

Day 4: Data Analysis and Reporting for Building Energy Assessments

- Advanced techniques for data analysis in building energy audits.
- Developing comprehensive energy audit reports with actionable recommendations for improved energy performance.
- Communicating findings and reports to stakeholders and decision-makers.
- Integrating sustainability considerations in building energy reports.

Day 5: Continuous Improvement and Future Trends

- Strategies for implementing continuous improvements based on building energy audit findings.
- Benchmarking building energy performance against industry standards and energy certification requirements.
- Exploring future trends and innovations in building energy technologies.
- Case studies on best practices and real-world examples of successful building energy efficiency strategies.



Why Attend this Course: Wins & Losses!

- Master Building Energy Audits: Gain advanced skills in conducting building energy assessments using the latest energy-efficient building methods and tools.
- Gain Advanced Certifications: The course prepares you to achieve the Certified Building Energy Management Professional BEM certification, a valuable credential in the industry.
- Enhance Energy Efficiency: Learn how to improve building energy efficiency and optimize energy usage to reduce costs and enhance sustainability.
- Stay Ahead with Emerging Technologies: Stay updated on the latest building energy technologies, tools, and techniques to improve energy performance.
- Real-World Application: Through practical case studies, you'll understand how to implement sustainable energy buildings and energy-efficient building practices.
- Contribute to Sustainability: Help create sustainable energy buildings by adopting energy-efficient solutions and ensuring building energy compliance.

Conclusion

The Advanced Certified Building Energy Management Professional BEM course is an invaluable resource for professionals in the field of building energy management. This course ensures that you gain comprehensive expertise in building energy audits, energy efficiency strategies, and sustainability practices within the built environment. By mastering these advanced concepts and methodologies, participants will be well-equipped to optimize building energy consumption, improve energy performance, and drive sustainable practices in energy management.

Whether you're looking to enhance your building energy analysis skills, pursue certification, or contribute to the creation of energy-efficient buildings, this course offers you the tools and knowledge to stay competitive and impactful in the growing field of energy-efficient building management.

