ENERGY MANAGERS ASSOCIATION

Energy Management Theory Combined with Real World Applications

VIRTUAL COURSE OVERVIEW

Course Title	FUNDAMENTALS OF ENERGY MANAGEMENT
Course Aim	This introductory course is designed to provide a comprehensive and practical overview of the key energy management tasks with an emphasis on the energy management knowledge and skills that are required from an energy management professional. To understand energy management, it is important to recognise that it can differ across organisations.
Course Description	As the course unfolds, the overview of regular energy management practices applied to manage and save energy, as well as decrease energy related cost and emissions will be presented and discussed. The goal of the course is to leave a lasting impression about what energy management practices can be applied within businesses, what can be done to increase energy performance and efficiency, and what skills and knowledge are required to deliver these. This course will provide participants with an overview of the key knowledge and skills required to become a balanced and hands-on energy management practitioner.
Course Outcomes	The course will help you to: • Understand global view of energy consumption and its impact • Define what energy management means for its practitioners and their organisations and /or clients • Understand basic energy management practices • Understand technical concepts of energy use • Identify technical and non-technical responsibilities of energy management practitioners • Understand basic monitoring and targeting principles • Gain understanding of energy auditing • Understand legislative compliance related to energy management • Gain energy procurement overview • Understand relationship between all EMA Energy Management in Practice training courses
Course Structure and Features	This course is to be delivered as a 2-day tutor-led and participatory session via Zoom. It is structured around <u>one and a half day virtual delivery time</u> and <u>a post-course assessment</u>. Course structure: 1. Opening 2. Energy fundamentals 3. Global and UK energy use 4. Prime energy legislation and UK energy industry structure 5. Energy procurement overview 6. Energy Use in buildings 7. Introduction to monitoring and targeting 8. Introduction to energy auditing 9. Introduction to lighting 10. Introduction to heating ventilation and air conditioning

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	11. Introduction to renewable and low carbon on-site generation 12. Post course assessment Some course sections may be amended to assure the best outcomes for participants. Participants are encouraged to contribute with their own experiences and examples.
Who Should Attend the Course	This course is aimed at newly appointed energy management professionals or professionals appointed to energy auditing roles. The course is also suitable at those re-skilling or upskilling to gain basic energy management knowledge, and those intending to take the first steps to become an energy manager. As a guide, participants with the following job titles may be appropriate for the course: • Energy Trainees / Graduates • Energy Assessors • ESOS Assessors • Estates Staff / Managers • Facilities Staff/Managers • Sustainability Staff/Managers • Building Managers
Prerequisites	The suggested minimum requirements for admission are: • Some business-based experience (cca 2-3 months+) • For those whose first language is not English, and who have not undertaken a course of study where the principal medium of instruction is English, certificate of competency in one of the standard language tests (e.g. IELTS, TOEFL) will normally be required.
Further Information	Post course assessment: On the second day of the course, participants receive an assessment to test their knowledge, understanding, and application of the content covered during the course. The open book assessment consists of several open-ended questions and participants have 7 days to complete and submit their answers. Post-course assessment forms 100% of the overall assessment of this course. Certification: Participants who complete and pass the assessment will receive a certificate including 10 hours of Continuing Professional Development (CPD) recognition.
Other Related Training Courses	Energy Auditing Techniques Energy Assessments, Monitoring, Targeting and Validation Energy Management in Building Services

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