

## COURSE OVERVIEW

<b>Course Title</b>	<b>ENERGY MONITORING, TARGETING &amp; VALIDATION</b>
<b>Course Aim</b>	This course provides an introduction to principles of monitoring, targeting and validating energy consumption. It is aimed at those needing an understanding of methods of gathering, using and interpreting data, as well as a range of available measurement technologies.
<b>Course Description</b>	This course has been designed to describe and give guidance on creating value and setting energy baselines and benchmarking, validating energy savings and ultimately using M&T to sustain energy savings.
<b>Course Outcomes</b>	The course will help you to: <ul style="list-style-type: none"><li>• Define what monitoring, targeting and validating energy consumption mean</li><li>• Identify methods of gathering, using and interpreting data</li><li>• Understand a range of measurement technologies available</li><li>• Interpret data and create value</li><li>• Develop energy baselines and benchmarking</li><li>• Validate energy savings</li><li>• Use M&amp;T to sustain energy savings</li></ul>
<b>Course Structure and Features</b>	<p>This course is to be delivered as a 1 day workshop.</p> <p>The course structure outlined below is indicative as some sections may be amended to assure the best outcomes for participants. Participants are encouraged to contribute with their own experiences and examples.</p> <p>The course material such as slide pack, case studies and course activities and any other necessary information will be issued by the course tutor at the beginning of the course and throughout.</p> <p>Course Structure:</p> <ol style="list-style-type: none"><li>1. Monitoring, targeting and validation</li><li>2. Data gathering for M&amp;T/M&amp;V</li><li>3. Range of metering technologies and sources of data</li><li>4. Organising M&amp;T data</li><li>5. Using M&amp;T</li><li>6. How to interpret data and create value</li><li>7. Baselines and benchmarking</li><li>8. Sustaining M&amp;T</li><li>9. Using M+T for validation of savings</li></ol>



# ENERGY MANAGERS ASSOCIATION

*Energy Management Theory Combined with Real World Applications*



<b>Who Should Attend the Course</b>	<p>This course is aimed at those who manage energy use in buildings and are looking to upskill in monitoring and validating energy consumption and in ways to optimise and sustain it. This course is aimed also at those who are new to energy management or interested in learning about the use and benefits of correctly monitoring and validating energy consumption.</p> <p>As a guide, participants with the following job titles may be appropriate for the course:</p> <ul style="list-style-type: none"><li>• Energy trainees</li><li>• Energy Engineers / Managers</li><li>• Environmental Engineers / Managers</li><li>• Sustainability Professionals</li><li>• Facilities Managers</li></ul>
<b>Prerequisites</b>	<p>The minimum requirements for admission are:</p> <ul style="list-style-type: none"><li>• Educated to degree standard or equivalent business based energy management experience. Participants should have some familiarity with energy management processes within businesses.</li><li>• Participants with no prior knowledge and experience of energy management are also advised to complete Fundamentals of Energy Management course first.</li><li>• 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.</li></ul>
<b>Further Information</b>	<p><u>Post course assessment:</u> After the course, participants will be required to complete an assessment to test their knowledge, understanding, and application of the contents covered in this course.</p> <p><u>Certification:</u> Participants who complete and pass the assessment will receive a certificate including 5 hours of Continuing Professional Development (CPD) recognition.</p>
<b>Other Related Training Courses</b>	<p>Fundamentals of Energy Management Energy Auditing Energy Management in Building Services On-site Electricity Generation</p>

