

COURSE OVERVIEW

Course Title	BATTERY STORAGE FOR BUSINESS
Course Aim	Battery storage has been the subject of a substantial amount of publicity and market interest recently. The Battery Storage for Business course aims to equip participants with the basic knowledge, skills and tools to consider integrating battery storage systems into their or clients' organisations.
Course Description	<p>This course will give participants a basic understanding of battery storage systems, the various battery technologies, their general use, how they can be deployed within buildings, charging and discharging methodologies as well as looking at their limitations.</p> <p>The course will also look at the financial incentives and electricity charge savings available, the energy contract type required to achieve savings and guide on how to evaluate the benefits of battery systems in businesses.</p>
Course Outcomes	<p>The course will help you to:</p> <ul style="list-style-type: none"> • Understand how battery storage systems work and can be integrated into buildings • Identify whether battery storage is suitable for buildings use and would be allowed • Perform a risk and mitigation analysis • Review buildings' electrical system, usage, charging and discharging cycles, current energy contract and define their objectives and targets • Use tools to review the cost modelling for battery storage and establish what variables may affect viability at their sites.
Course Structure and Features	<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"> 1. Basic types of battery used for storage 2. Basics of charging and discharging cycles, battery sizing and battery life 3. Basics of "behind the meter" battery system deployment 4. Grid connection requirements 5. Potential savings on billed consumption 6. External financial incentives 7. Discussion on participants' potential deployments
Who Should Attend the Course	This course is aimed at those who have already some familiarity with energy management. It is also aimed at experienced professionals or teams assigned with, or planning to install a battery storage technology for organisations or



	<p>clients.</p> <p>As a guide, participants with the following job titles may be appropriate for the course:</p> <ul style="list-style-type: none"> • Energy Engineers / Managers • Environmental Engineers / Managers • Business, Facility and Sustainability Managers <p>It is encouraged that businesses have explored energy efficiency upgrades prior to attending this course.</p>
Prerequisites	<p>The minimum requirements for admission are:</p> <ul style="list-style-type: none"> • Educated to degree standard or equivalent business based energy management experience. Participants should have some familiarity with energy management processes within businesses and have been undertaking energy management activities, ideally for no less than 2 years. • Basic knowledge of energy procurement is assumed (e.g. how energy supply market works, how to read a commercial energy bill) • 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	<p><u>Preparation for the course:</u> The EMA aims to make parts of the course more relevant to participants by giving them opportunity to discuss their own building / site types and assess the suitability of battery storage for them (their clients). In preparation for the course, we suggest that participants prepare details of a building / site where they may consider integrating battery storage systems into their / client's organisation. The details to have at hand are:</p> <ul style="list-style-type: none"> • Basic energy consumption of the building • Awareness of whether or not you generate any renewable electricity on site. <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>
Other Related Training Courses	<p>Energy Procurement Energy Assessments, Monitoring, Targeting and Validation Turning Data into Energy Savings Energy Management in Building Services On-site Electricity Generation</p>

