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COURSE BROCHURE

Site Energy Reduction and Workplace Behaviour Change Training Course

11 – 15 October 2027
Singapore

Site Energy Reduction and Workplace Behaviour Change Training Course

Ref: 2595_98719 **Date:** 11 – 15 October 2027 **Location:** Singapore **Fees:** 9300 GBP

Site Energy Reduction and Workplace Behaviour Change is a 1-week training course for energy and sustainability coordinators who must cut electricity and fuel use across offices, plants and campuses, and who leave with an energy reduction roadmap for their own site. Rising tariffs and carbon targets now push every site to show measured savings. Jupiter Prime Training links metering evidence with the everyday habits that drive consumption.

Why Site Energy Reduction and Workplace Behaviour Change Matters Now

Three forces meet at the site boundary: volatile energy costs that squeeze operating budgets, corporate carbon commitments that boards and lenders now track, and occupants whose switching, setpoint and equipment habits decide a large share of demand. A site pairing engineering measures with occupant engagement holds its savings; one relying on upgrades alone sees consumption drift back as old routines return. The course rests on established practice in energy auditing, measurement and verification, and evidence-based behavioural insight.

Who Gains Most from Site Energy Reduction and Workplace Behaviour Change

- Coordinators who turn meter readings and utility bills into consumption reports
- Facilities supervisors responsible for lighting, cooling and ventilation schedules
- Sustainability officers who prepare carbon disclosures and track progress against reduction targets
- Maintenance planners who prioritise motor, compressed air and lighting retrofits within limited budgets
- Engagement partners who run staff campaigns and energy champion networks

Multi-site organisations gain most when a facilities lead, a sustainability officer and an engagement partner attend together.

Site Energy Reduction and Workplace Behaviour Change Capabilities

Participants turn consumption records and occupant observations into lasting savings decisions.

- Build a weather-normalised energy baseline from bills and interval meter data — site budget setting
- Calculate simple payback and lifetime savings for efficiency measures — capital approval panels
- Weigh on-site solar, green tariffs and heat electrification options — procurement and finance leads
- Design an occupant engagement campaign with prompts, feedback and energy champions — line managers
- Test savings claims with measurement and verification methods — auditors and senior sponsors
- Communicate progress through a site energy dashboard — boards and staff

Key Site Energy Reduction and Workplace Behaviour Change Terms

- Energy baseline — reference consumption over a set period, adjusted for weather and occupancy, against which savings are measured.
- Energy performance indicator — a ratio such as kilowatt-hours per square metre or per unit produced.
- Base load — the electricity a site draws when it should be idle, revealing equipment left running.
- Degree days — how far outside temperature departs from a set point, used to normalise cooling and heating demand.
- Rebound effect — the share of expected savings lost when cheaper or more efficient energy use leads people to use more.
- Energy champion — a staff volunteer who promotes switch-off habits and reports waste within a department.

Site Energy Reduction and Workplace Behaviour Change Day by Day

Day 1: Where Site Energy Goes

- Utility Bill and Tariff Structure Review — Which Charges Can Be Reduced
- Interval Meter and Sub-Metering Data — Locating Major Consumers on Site
- Night and Weekend Base Load Profiling — Identifying Equipment Left Running
- Degree-Day Regression Baselines — Separating Weather Effects From Waste
- Energy Performance Indicators — Setting Comparable Site Targets

Day 2: Engineering Efficiency Measures

- Lighting Retrofit and Occupancy Controls — Prioritising Quick-Payback Measures
- Cooling Setpoint and Schedule Optimisation — Comfort Versus Consumption
- Variable Speed Drives on Pumps and Fans — Motor Upgrade Choices
- Compressed Air Leak Surveys — Industrial Site Savings Without Capital Spend
- Simple Payback and Lifetime Cost Comparison — Ranking Measures for Approval

Day 3: Low-Carbon Supply and Load Choices

- Rooftop Solar Yield and Self-Consumption Estimates — On-Site Generation Decisions
- Green Tariffs and Power Purchase Agreements — Procurement Route Selection
- Heat Pump and Electrification Screening — Replacing Fossil-Fuelled Heating Plant
- Battery Storage and Peak Demand Shaving — Avoiding Maximum Demand Charges
- Purchased Electricity Emission Accounting — Location and Market Reporting Methods

Day 4: Occupant Habits and Engagement

- Workplace Energy Habit Observation Walks — Where Behaviour Drives Demand
- Prompts, Defaults and Social Comparison Feedback — Designing Switch-Off Nudges
- Energy Champion Network Design — Departmental Ownership of Savings
- Staff Surveys and Comfort Complaint Logs — Balancing Wellbeing and Setpoints
- Rebound Effect and Savings Persistence Checks — Sustaining Changed Routines

Day 5: Practising the Energy Reduction Roadmap

- Baseline and Indicator Pack for a Case Site — Hospital and Factory Examples
- Measure Shortlist Combining Engineering and Behaviour — Sequencing by Payback
- Measurement and Verification Plan — Proving Savings to Finance Teams
- Site Energy Dashboard and Reporting Rhythm — Board and Staff Updates
- Energy Reduction Roadmap Presentation — Sponsor Sign-Off and Next Steps

Applying Site Energy Reduction and Workplace Behaviour Change After the Course

- Run a base load survey on the main meter and reschedule the three largest idle loads.
- Recruit departmental energy champions and launch a switch-off campaign with weekly feedback against the baseline.

Site Energy Reduction and Workplace Behaviour Change Questions FAQ

What is site energy reduction and workplace behaviour change, and why does it matter now?

It is the combined practice of cutting a site's energy use through engineering measures and changed occupant habits. It matters now because energy costs and carbon targets are rising together, and upgrades alone rarely hold savings.

Which roles gain most from site energy reduction and workplace behaviour change training?

Energy and sustainability coordinators gain most, alongside facilities supervisors, maintenance planners and engagement partners. Each handles part of the savings chain, from metering to staff campaigns.

How does site energy reduction and workplace behaviour change differ from a sustainability strategy course?

It works at site level rather than corporate level. A strategy course sets organisation-wide goals and disclosure plans; this course measures one site, chooses measures, engages occupants and verifies savings on the meter.

What do you bring back from site energy reduction and workplace behaviour change training?

You bring back a costed plan for your site. It holds a normalised baseline, ranked engineering and behaviour measures, supply options and a verification method.

Site Energy Reduction and Workplace Behaviour Change: The Way Forward

The energy reduction roadmap first informs which measures win approval in the next budget round, ranked by payback and ease of engagement. Supervisors, sponsors and champions use it to schedule retrofits and campaigns. After its first quarter in use, revisit the baseline and the persistence checks: savings that fade signal habits needing fresh prompts rather than new equipment.