
Energy Efficiency and Carbon Management

8 – 12 February 2027
Cape town





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Energy Efficiency and Carbon Management is a five-day senior-level energy course delivered by Mars Training Centre across Europe, the Gulf, and Africa — in London, Amsterdam, Munich, Dubai, and Cape Town — designed for energy directors, sustainability heads, operations leaders, and senior engineers responsible for cutting energy use and carbon emissions across complex assets.

Energy is no longer just a cost line; it is a regulated, disclosed, and scrutinised dimension of business performance. The leaders who run energy and carbon well are the ones who can connect the metering data on the shop floor to the abatement curve on the boardroom wall — and then choose the right interventions, in the right sequence, at the right cost. Engineering retrofits, electrification, heat recovery, demand-side management, and process redesign each have a role, but only when matched to the operation in front of you and the regulatory regime above you.

Across five focused days, you will work through energy auditing, ISO 50001, marginal abatement cost curves, electrification and heat-recovery options, carbon accounting under the GHG Protocol, and the economics that determine which energy and carbon projects actually get approved. The cases are drawn from the United Kingdom, Europe, and the Middle East, and the work is delivered by senior practitioners with engineering and energy-leadership experience.

What You Will Learn

- Conduct an energy audit to ISO 50001 and ISO 50002 standards.
- Identify the largest energy-saving opportunities in a complex industrial or commercial asset.
- Build a marginal abatement cost curve for your site or business unit.
- Evaluate electrification, heat recovery, and process-redesign options against real economics.
- Apply the GHG Protocol to build a defensible inventory across Scopes 1, 2, and 3.
- Manage carbon pricing, internal carbon prices, and the use of offsets responsibly.
- Build a credible business case for an energy or carbon investment.
- Engage operations teams in sustained energy-performance improvement.
- Brief boards and investors on energy and carbon performance with the right level of detail.

How You Will Benefit

You will leave with the ability to assess, prioritise, and deliver energy and carbon programmes in your own operations, and a Mars Certificate of Completion.

Your organisation will gain a senior leader who can lower the cost of energy, reduce the carbon footprint defensibly, satisfy regulators and investors, and build a long-term abatement roadmap the business can actually execute.



Who This Programme Is For

This programme is designed for senior leaders responsible for energy and carbon, including:

- Energy directors and heads of energy management
- Sustainability directors and climate programme leads
- Operations directors and plant managers
- Senior process, utilities, and mechanical engineers
- Facilities and estates directors
- ESG reporting leads and internal auditors with carbon in scope

The seniority floor is senior manager and above.