



## Airport Energy Management

Professional Certificate course

Delivery: Classroom

Duration: 3 days

### Aim

This course provides a rationale for and explanation of energy management at airports, highlighting the critical importance of energy management to airport capacity and growth, customer service standards, commercial performance, energy security and emergent climate change concerns.

### Learning Objectives

Upon completing this course, participants will be able to:

- Understand the key drivers for improved energy performance at airports
- Describe key elements of a systematic energy audit
- Use financial and technical data to identify and select cost effective energy reduction opportunities
- Appreciate the significance of energy management in the wider context of a carbon management plan
- Conduct a basic carbon footprint to inform strategic decisions over how best to reduce energy requirements and thereby carbon emissions of the airport system

### Target Audience

- Airport General Manager/ Executive Director
- Airport Finance Directors, Managers and Staff
- Airport Operations Directors, Managers, Officers and Staff
- Airport Environment Directors, Managers, Officers and Staff
- Civil Aviation Authority Officials

### Course Content

- Economic, capacity, service standard and political drivers for energy efficiency
- Energy audit procedures
- Catalogue of the range of energy reduction opportunities at airports, including good practice examples
- Criteria for the selection of energy reduction options



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- Designing a low energy airport – the role of new build in reducing energy demand, increasing renewable energy generation and heightening energy resilience
- Conflicting stakeholder requirements for energy management
- Carbon management plan options for infrastructure, equipment, operations and training
- Carbon accounting – GRI scopes and data resolution requirements
- Airport challenges resulting from a comprehensive understanding of energy and carbon liabilities.