Energy Efficiency for Better Buildings

Unlock the energy-saving potential of your buildings

Professional online learning
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Discover better building performance

*Energy Efficiency for Better Buildings* has been designed to give you the knowledge, understanding and skills to increase the energy efficiency of your building, minimise your energy bills and contribute to a Europe-wide reduction in carbon emissions. Covering the basic concepts and tools of energy management in buildings, internal building systems, the development of energy management practice, and an introduction to the standards and regulations that apply, this course enables you to select, develop and implement effective energy-saving strategies across all your buildings and premises.

**Goals and objectives**

On completing the course, you will be able to:
- Understand basic energy concepts and tools
- Understand energy management systems
- Understand fundamental energy systems used in buildings
- Access energy-related investments
- Understand the regulatory constraints and other incentives in buildings

**Teaching, learning and assessment**

This course brings together the best learning content with a user-centric approach to deliver high-quality training for developing essential skills for energy managers. In addition to online training, videos, multiple choice tests and evaluation exercises for each module, learners participate in virtual laboratory activities. All course participants will also be able to access professional advice after completing the course to help put newly acquired knowledge into practice.

**Topics and themes**

During the course you will cover the following topics:

**Module 1:** Definitions, models and tools: Gives you a solid grounding in all the relevant issues and concepts of energy management in buildings, energy systems, energy services in buildings, tariffs, modelling and evaluation.

**Module 2:** Buildings’ energy systems: Explores in greater depth the typical sources of energy consumption in buildings, and measures for reducing their environmental impact.

**Module 3:** Energy management: Develops your knowledge still further by looking at energy management in greater depth, and considers how the tools and concepts discussed so far can be applied in your own environment. Covers energy audits, measurement and verification, energy-efficiency measures, and energy-efficiency implementation.

**Module 4:** Regulations and standards: A thorough introduction to relevant requirements, directives, standards and regulations set by European and other legislation, including ISO standards, local regulations and certification, and energy-efficient contracts.

**Your course organisers**

*Energy Efficiency for Better Buildings* has been developed by leading experts at:

- **IST:** Instituto Superior Técnico, Lisbon, Portugal
- **UPC:** Universitat Politècnica de Catalunya · BarcelonaTech
- **LNEG:** The National Laboratory of Energy and Geology, Portugal

With the support of training specialists at **ISQ**

**Get in touch!**

Want to find out more about this course? Have any questions about the Institute of Sustainable Energy?

Then get in touch with our team - we are happy to help.

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The Institute of Sustainable Energy
Through our professional courses, the Institute of Sustainable Energy helps learners advance their careers, and provides resources for companies that want to support continual learning among their workforce.

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