Go Solar PV
The business potential of solar photovoltaics

Professional online learning
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Discover the solar PV business

Harnessing the power of the sun to power our world has been the dream of energy professionals for decades. And now, with solar photovoltaic technology becoming more and more affordable, scalable and accessible, that dream is closer to reality than ever before.

Go Solar PV looks at solar PV in depth, examining its potential for today and the near future, exploring the technical challenges, and assessing the commercial opportunities. It offers learners unparalleled insight into the global PV market, and gives them the knowledge and practical details to shape and lead the future of solar energy.

Goals and objectives

On completing this course you will be able to:

• Analyse current and future business cases for solar PV, their limitations and opportunities.
• Understand market dynamics, including the main regulatory models.
• Appreciate the mechanics of PV installation, development, operation and maintenance.
• Recognise the main trends in PV technology and their future potential in terms of cost.
• Understand and differentiate possible financial models for solar PV implementation.

Teaching, learning and support

Go Solar PV is delivered through video lectures from our experts, which are available at any time. During the first half of the course, you are introduced to the basic technical and commercial aspects of solar PV. During the second half of the course, you have the chance to work on real business cases that explore relevant industry topics. You will be asked to critically analyse the challenges involved, and apply the tools and theories learnt during the first half of the course. In addition, a series of tools, simulators, reports and other resources are available to support you throughout the course.

Topics and themes

This career-enhancing, six-week course equips you with both theoretical and practical knowledge of PV technologies and its market. Topics covered include:

1. Introduction to PV: Get up to speed on the basic technical concepts and working principles of PV; plus data, markets, economics, global growth forecasts and the future of PV and building-integrated photovoltaics (BIPV).

2. Technology highlights: Explore the trends revolutionising PV technology, the evolution of the PV market, standard PV plant layout, as well as internal architecture of a solar cell and current-voltage curves.

3. Regulatory frameworks: Assess the main regulatory schemes for solar energy around the world and their main characteristics and differences, as well as the risks and costs of implementation, and success factors.

4. Costs, risks and financing: Find out about the main aspects of PV system financing, and the impact of market segment, the nature of the PV system, the owner, the investor, and the project risks.

5. Project development: Meet the key factors of large-scale PV project development: legislation, financing, plant design, operations and administration, and learn to navigate these in order to plan for success.

6. Plant construction: Walk through the construction process of a PV power plant and assesses the main actions for commissioning and operating the plant.

7. Operation and maintenance: Learn the principles of system performance, operation and maintenance, and how to cost both preventive and corrective maintenance measures.

Your course organisers

Go Solar PV has been developed by experts at the Club Español de la Energía (Enerclub) and InnoEnergy.

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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