



Renewable Energy & Engineering

Renewable Energy and Vision



- Location: London
- Date: From 2/6/2025 To 6/6/2025
- Investment: \$5950 (Excluding VAT)



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Course Introduction

This 5-day intensive course explores the multifaceted world of renewable energy, delving into its technological advancements, environmental significance, and the crucial role of visionary leadership in driving a sustainable energy future. Participants will gain a comprehensive understanding of renewable energy technologies, their applications, and the challenges and opportunities associated with their widespread adoption.

Training Method

- Pre-assessment
 - Live group instruction
 - Use of real-world examples, case studies and exercises
 - Interactive participation and discussion
 - Power point presentation, LCD and flip chart
 - Group activities and tests
 - Each participant receives a binder containing a copy of the presentation
 - slides and handouts
 - Post-assessment
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Course Objectives

Upon successful completion of this course, participants will be able to:

- Understand the fundamentals of various renewable energy technologies (solar, wind, hydro, geothermal, biomass).
- Analyze the environmental and economic benefits of renewable energy.
- Evaluate the technical and economic feasibility of renewable energy projects.
- Understand the policy framework and regulatory landscape for renewable energy development.
- Identify and assess the social and environmental impacts of renewable energy projects.
- Develop and implement strategies for promoting the adoption of renewable energy.
- Cultivate visionary leadership skills to drive the transition to a sustainable energy future.
- Communicate effectively about the importance of renewable energy to various stakeholders.

Who Should Attend?

This course is designed for a diverse audience, including:

- Policymakers and government officials
 - Energy professionals (engineers, project developers, investors)
 - Business leaders and entrepreneurs
 - Environmental scientists and researchers
 - Students and academics interested in renewable energy
 - Anyone passionate about sustainability and a clean energy future
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Course Outline

Day 1: Foundations of Renewable Energy

- Introduction to Renewable Energy Sources
- Principles of Solar Energy (Photovoltaic, Solar Thermal)
- Wind Energy Technologies and Applications
- Hydropower: Types and Potential
- Geothermal Energy and Ocean Energy

Day 2: Technology and Innovation in Renewable Energy

- Advanced Solar Technologies (e.g., Concentrated Solar Power, Perovskite Solar Cells)
- Wind Energy Innovations (e.g., Offshore Wind, Floating Wind Turbines)
- Energy Storage Technologies (Batteries, Hydrogen)
- Smart Grids and Grid Integration of Renewable Energy

Day 3: Environmental and Economic Impacts


- Environmental Benefits of Renewable Energy (Climate Change Mitigation, Air and Water Quality)
- Economic Benefits of Renewable Energy (Job Creation, Economic Growth, Energy Independence)
- Life Cycle Assessment of Renewable Energy Technologies
- Environmental and Social Impacts of Renewable Energy Projects

Course Outline

Day 4: Policy, Regulation, and Market Trends

- Renewable Energy Policies and Regulations (e.g., Feed-in Tariffs, Renewable Energy Certificates)
- Financing Renewable Energy Projects (e.g., Green Bonds, Crowdfunding)
- The Role of Government and Industry in Promoting Renewable Energy
- Global Trends in Renewable Energy Development

Day 5: Visionary Leadership and the Future of Renewable Energy

- Leadership in the Renewable Energy Transition
 - Communicating the Vision of a Sustainable Energy Future
 - Overcoming Challenges and Barriers to Renewable Energy Adoption
 - The Future of Renewable Energy and its Role in a Sustainable Society
 - Case Studies and Real-World Examples
 - Q&A and Wrap-up Session
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Registration & Payment

Complete & Mail to London Royal Academy or email
registration@londonra.com



Registration Form

- Full Name (Mr / Ms / Dr / Eng)
- Position
- Telephone / Mobile
- Personal E-Mail
- Official E-Mail
- Company Name
- Address
- City / Country

Payment Options

- Please invoice me
- Please invoice my company





Terms & Conditions

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Cancellation and Refund Policy

Delegates have 14 days from the date of booking to cancel and receive a full refund or transfer to another date free of charge. If less than 14 days' notice is given, then we will be unable to refund or cancel the booking unless on medical grounds. For more details about the Cancellation and Refund policy, please visit

www.londonra.com/terms-and-conditions/

Registration & Payment

Please complete the registration form on the course page & return it to us indicating your preferred mode of payment. For further information, please get in touch with us

Course Materials

The course material, prepared by the LRA, will be digital and delivered to candidates by email

Certificates

Accredited Certificate of Completion will be issued to those who attend & successfully complete the programme.

Travel and Transport

We are committed to picking up and dropping off the participants from the airport to the hotel and back.



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THANK YOU

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