Global Horizon
TRAINING CENTER

Training Course:
Renewable green energy

21 - 25 February 2027
Cairo (Egypt)

Training Course:
Renewable green energy

Training Course code: EN6090 From: 21 - 25 February 2027 Venue: Cairo (Egypt) - Training Course Fees: 4410 Euro

Introduction

Renewable green energy is at the forefront of the global transition toward sustainable development, offering clean, low-carbon alternatives to conventional fossil fuels. Technologies such as solar, wind, hydro, and biomass are transforming energy systems by reducing environmental impact while meeting growing energy demands.

This program, designed by Global Horizon Training Center, equips participants with comprehensive knowledge of renewable energy technologies, system integration, and strategies for sustainable energy development.

Course Objectives

By the end of this program, participants will be able to:

- Understand the fundamentals of renewable energy and sustainability
- Identify different renewable energy sources and technologies
- Analyze energy production and system performance
- Evaluate renewable energy project feasibility
- Understand energy policies and regulatory frameworks
- Apply energy efficiency and optimization strategies
- Integrate renewable energy into existing systems
- Support sustainable energy planning and decision-making

Target Audience

This program is designed for:

- Renewable Energy Engineers and Professionals
- Electrical and Mechanical Engineers
- Energy and Sustainability Managers
- Project Developers and Consultants
- Government and Policy Makers
- Individuals interested in clean energy technologies

Outline

Day 1: Fundamentals of Renewable Energy

- Introduction to green energy and sustainability
- Types of renewable energy sources
- Global energy trends and transition
- Environmental impact and benefits
- Energy policies and frameworks

Day 2: Solar and Wind Energy Systems

- Solar photovoltaic PV and thermal systems
- Wind energy principles and technologies
- System design and performance factors
- Installation considerations
- Energy production analysis

Day 3: Hydropower, Biomass, and Emerging Technologies

- Hydropower systems and applications
- Biomass and bioenergy technologies
- Geothermal energy basics
- Emerging renewable technologies
- Comparative analysis of energy sources

Day 4: Energy Storage and System Integration

- Energy storage technologies batteries, thermal storage
- Grid integration of renewable energy
- Smart grids and digital energy systems
- Hybrid energy systems
- Energy management strategies

Day 5: Project Development and Case Studies

- Renewable energy project lifecycle
- Feasibility studies and financial evaluation
- Risk assessment and mitigation
- Sustainability and ESG considerations
- Case studies and real-world applications

Registration form on the Training Course: Renewable green energy

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
Telephone / Mobile: .....
Personal E-Mail: .....
Official E-Mail: .....

Company Information

Company Name: .....
Address: .....
City / Country: .....

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
Telephone / Mobile: .....
Personal E-Mail: .....
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Payment Method

☐ Please find enclosed a cheque made payable to Global Horizon

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Easy Ways To Register

Telephone: +201095004484 to provisionally reserve your place.	Fax your completed registration form to: +20233379764	E-mail to us : info@gh4t.com or training@gh4t.com	Complete & return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt.