Global Horizon
TRAINING CENTER

Training Course:
ENERGY TRANSITION AND INNOVATION

1 - 5 July 2024
Geneva (Switzerland)

Training Course:
ENERGY TRANSITION AND INNOVATION

Training Course code: EW234786 From: 1 - 5 July 2024 Venue: Geneva (Switzerland) - Training Course Fees: 6300 Euro

Introduction

As the world and technology grow, an array of new energy options appears to support critical foundations for enduring prosperity, energy security, and the protection of the environment and public health as the energy demand increases. Energy transition and innovation policy can fill the pipeline with many energy technologies options, bring the best of these options to market, and unleash the full power of the innovative solutions in driving down the energy prices. Energy is profoundly a technology business, so it pays to understand which policies best stimulate energy technology innovation and transition towards renewable energy sources without unnecessarily politicizing the energy debate.

One of the future's greatest challenges is finding the solution to determinants of energy demand through the sustainable generation and use of energy. Providing a reliable supply of affordable, safe, and clean energy requires answering complex and significant technical, social, political, economic, legal, and ethical questions, which appear often in combination, to ensure sustainable energy supply, use, and development.

This Energy Transition and Innovation training course is designed to build capacity through the development of new knowledge, new understanding, and new insights, and can therefore provide effective solutions to complex problems in the energy of the future.

Course Objectives:

- Identify the sources of energy and their contributions and issues
- Learn how to build a path towards a sustainable future
- Acquire the knowledge needed to implement the renewable energy projects
- Learn the models of energy consumption
- Adopt the improvement of energy production without the need for extensive investment
- Use the energy production and consumption analytics for energy distribution planning

Target Audience:

- Researchers and Practitioners in the field of Energy
- Professionals in Applied Sciences
- Technology Engineers, CTOs, and CIOs
- Strategic Development Personnel
- Project Managers

Course Outline:

Day 1

INTRODUCTION TO THE ENERGY INDUSTRY

- Oil is the energy of today-yes it still is

- Natural gas-the clean energy pioneer
- Coal-the energy and economics
- Electricity-the energy for all
- Energy Market Efficiency

Day 2

ENERGY TRANSITION

- Efficiency in Industry Sector
- Efficiency in Living Environment Sector
- Efficiency in Transportation Sector
- Strategy of Fuel Transition
- What the Future Brings?

Day 3

RENEWABLE SOURCES OF ENERGY

- Wastes in Electric Energy Production
- Solar Energy
- Wind Energy
- Geothermal Energy
- Biomass Energy
- Hydropower Energy

Day 4

Blockchain in Energy Distribution Sector

- Energy Storage Facilities
- Microgrids and Artificial Intelligence
- Energy Management
- The Reduction in Carbon Footprint

Day 5

ENERGY-EFFICIENT BUILDINGS AND LIVABLE SPACE

- Energy flow in buildings
- Building energy performance
- Digital twin of buildings and livable space
- Digital twin of the energy system
- Design the energy-efficient city

Registration form on the Training Course:
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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
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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: .....
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Payment Method

☐ Please find enclosed a cheque made payable to Global Horizon

☐ Please invoice me

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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.