MERCURY

Energy, Carbon, and the Environment Conference

11 – 15 October 2027
Zanzibar (Tanzania)



Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
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Ref: 8221_1060424 **Date:** 11 – 15 October 2027 **Location:** Zanzibar (Tanzania) **Fees:** 5300 Euro

Introduction:

With increasing concerns about climate change, carbon footprint, and energy production, many things need to be clarified and understood concerning the subject.

This sustainable energy, carbon management, and environment conference will aim to clarify these misunderstandings by delving into the various forms of energy production, their environmental impacts, waste management issues, and the global challenges we all face in these areas.

With momentum shifting towards a low-carbon future, organizations must ensure their staff is knowledgeable and current, particularly in energy and environmental economics, what energy means in environmental science, and the intersection of energy and the environment.

The Role of Carbon in Environmental Health:

Whether carbon is terrible for the environment opens up a broad discussion on the impact of carbon emissions on ecological systems. This sustainable energy, carbon management, and environment conference will inform participants about carbon treatment methodologies such as activated carbon treatment, the design of carbon management degrees, and the benefits and effectiveness of carbon management as a tool for sustaining environmental health.

Targeted Groups:

- Energy Managers.
- Facilities Managers.
- Environment Managers.
- Environmental Representatives.

Conference Objectives:

By the end of this sustainable energy, carbon management, and environment conference, participants will be able to:

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- Learn about various types of energy production, their advantages and disadvantages, cost comparisons, and which ones the Intergovernmental Panel on Climate Change IPCC recommends.
- Gain an in-depth understanding of sustainability and the benefits of energy efficiency for both the environment and society.
- Get insights into the calculation of carbon footprints and the role of carbon management in achieving them.
- Explore the significance of Climate Change and why a global perspective with global input is vital.
- Understand why waste management issues and water availability are critical components of the environmental equation.
- Learn about Zero Waste and the benefits of an integrated Waste Management System.

Targeted Competencies:

By the end of this sustainable energy, carbon management, and environment conference, participants' competencies will be able to:

- Know of risk reduction associated with energy production and carbon management.
- Personal psychological advantage of an employee contributing to the initiatives recommended by the United Nations Environmental Program UNEP.
- Skills in Implementing an Integrated Waste Management System.
- Understanding ISO 14001 Environmental Management Systems.

Conference Content:

Unit 1: Types of Energy and Their Relationships with The Environment:

- Definitions.
- Understand and take a detailed look at the various forms of energy used for electrical production and their positives and negatives.
- Fossil Oil, Natural Gas, and Coal.
- Canadian Oil Sands and Gulf Coast Countries Oil Similarities and Differences.
- Geothermal.

Unit 2: Forms of Energy Used for Electrical Production:

- Nuclear.
- Hydro Electric.
- Biomass.
- Combined Cycle.
- Wind.
- Fuel Cell.
- Electrochemical batteries.
- Emerging Technologies.

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Unit 3: Carbon Footprints:

- Carbon Footprints for Various Forms of Energy Used for Producing Electricity and their Contribution to the Organization's KPIs.
- Environmental Risks and Health and Safety Issues.
- Carbon Footprints calculations.
- KPIs.
- Environmental Risks.
- ISO 18001.

Unit 4: GHGs Greenhouse Gases:

- GreenHouse Gases.
- Sustainability issues.
- Related International Environment Treaties.
- Availability of Water.
- Water banking.

Unit 5: Climate Change:

- Climate Change and Its Significance for the Gulf Coast Countries.
- Integrated Waste Management System.
- Waste Disposal and the Concept of Zero Waste.
- Environmental Ethics.
- Move towards a low-carbon future carbon negative.
- Generic Recommendations Concerning "Greening" Your Company at a Reasonable Cost.