



Oil, Gas and Chemical

Renewable Energy and Sustainability Masterclass

Course Introduction

Renewable Energy and Sustainability

The "Renewable Energy and Sustainability" masterclass, offered by BOOST, is designed to equip professionals with comprehensive knowledge on renewable energy technologies, environmental impacts, and sustainability practices. As the global energy landscape evolves, this course provides insight into the future of energy, focusing on the integration of renewable energy systems to combat climate change and promote sustainability. Through expert-led sessions, hands-on case studies, and in-depth discussions, participants will develop the skills necessary to contribute to the energy transition and sustainability goals within their organizations.

Target Audience

- Energy professionals
- Sustainability managers
- Engineers and technical staff in the energy sector
- Policy advisors and regulatory professionals

Learning Objectives

- To provide a deep understanding of renewable energy technologies, including solar, wind, hydro, and geothermal.
- To analyse the environmental and economic benefits of renewable energy solutions.
- To assess global and local policies, regulations, and market dynamics driving the renewable energy transition.
- To explore the financial aspects of renewable energy projects, including investment strategies and cost analysis.

- To enable participants to create actionable strategies for implementing renewable energy solutions in their organizations, addressing sustainability challenges and opportunities.

Course Outline

- **DAY 01**

- Introduction to Renewable Energy**

- Overview of global energy trends and sustainability challenges
 - Key renewable energy technologies: solar, wind, hydro, geothermal, and bioenergy
 - The role of renewable energy in climate change mitigation

- **Day 02**

- Technological Foundations of Renewable Energy**

- Solar power: photovoltaic and thermal technologies
 - Wind energy: onshore and offshore systems
 - Biomass and biofuels: sustainable production methods
 - Geothermal and hydropower systems

- **Day 03**

- Environmental, Economic, and Social Impacts**

- Environmental impact assessments for renewable projects
 - Economic viability: cost of energy production and market factors
 - Social acceptance and community engagement in renewable projects

- **Day 04**

- Policy, Regulation, and Financing**

- Global policy landscape: Paris Agreement and renewable energy commitments
 - National and regional energy regulations and incentives
 - Financing renewable energy projects: public-private partnerships, subsidies, and investments

- **Day 05**

Future of Renewable Energy and Sustainability

- Emerging trends in energy storage and smart grids
- Innovations in renewable energy technologies
- Preparing for the energy transition: strategic planning for businesses and governments

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 12, 2025	May 16, 2025	5 days	4250.00 \$	UAE - Dubai
July 28, 2025	Aug. 1, 2025	5 days	4250.00 \$	UAE - Dubai
Nov. 9, 2025	Nov. 13, 2025	5 days	4250.00 \$	KSA - Riyadh