



Institute for Capacity Development (ICD)

Number 5 Conradie Street, Kara Properties, Windhoek | P O Box 10193, Khomasdal, Windhoek, Namibia|
Phone: +264-61-401445 |Cell: +264816303279, +264813866883 |Fax: +264-61-401446 |E-mail: coordinator@icdtraining.com

Environmental Monitoring in the Energy Sector

Course Objectives

On completion of the course, participants should be able to:

- Develop sustainable energy strategies.
- Understand the types of environmental aspects and their environmental impacts
- Know the requirements of the newly revised ISO 1400 standard
- Identify all the waste stream types and opportunities for reducing costs of waste
- Understand the EMS implementation stages, learn best practice techniques, examine useful tools, and understand the integration of the EMS with other environmental programs
- Apply environmental management principles to achieve continual EMS improvement

Target Groups

- Project Officers
- Investment Officers
- Energy engineers, analysts, managers and auditors
- Development planners
- Regulatory Authorities
- Economists and Utility Officers
- Finance Managers

Course Outline

- General Management Principles And Skills
- Energy Sector Policy and Strategy
- Strategic Management of The Energy Sector
- Selecting and Using Energy Indicators

- Analysis of Primary Energies
- Analysis of The Existing Generation System
- Analysis of the Existing Energy Supply
- Energy Planning and Demand Forecasting
- Integrated Energy Planning
- Classification of Energy Models: Top-Down, Bottom-Up, and Hybrid Models
- Industrial Organization In the Energy Sector
- Key Environmental Management System (EMS) Elements
- Environmental Management System Benefits for Energy providers
- Organisational Environmental Requirements
- Environmental Management Principles
- Identifying and Analysing Environmental Aspects and Impact Risks
- Understanding Environmental Impacts
- Understanding Global, Regional and Local Environmental Issues
- Greenhouse gas (GHG) emissions from energy production and use
- Air pollutant emissions from energy systems
- Contaminant discharges in liquid effluents from energy systems
- Oil discharges into coastal waters
- Rate of deforestation attributed to energy use
- Solid waste generation to units of energy produced
- Solid radioactive waste to units of energy produced
- Identifying Applicable Regulatory and Standards' Requirements
- Action Planning

Dates: 05th – 16th December 2022

Duration: 2 Weeks

Course Costs: US\$2850/delegate

Venue: Windhoek, Namibia