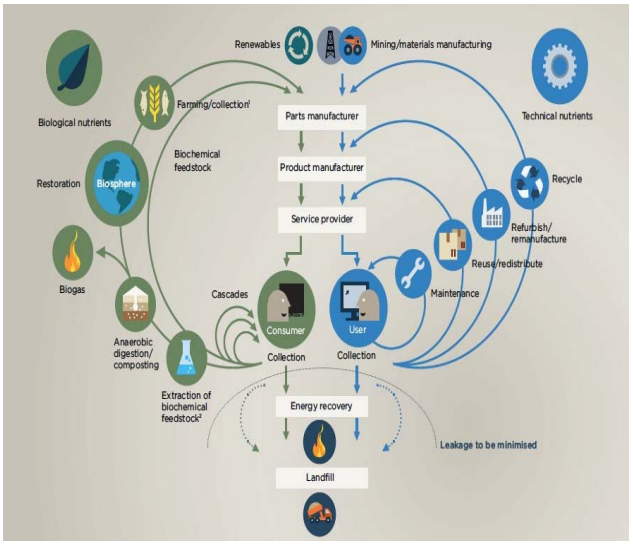
TRAINING PROGRAM

Circular Economy Training Program



Course overview:

Global consumption patterns with increasing complexity and volume of generated waste, urge for the need to continuously optimize waste management. The driving force behind this mobilization is primarily attributed to the ever-increasing climate change concerns and also the plethora of pollution incidents and their subsequent environmental effects. This, in turn, requires the coordination of activities of the different stakeholders including manufacturers, regulatory authorities, consumers and waste disposal companies.

This Circular Economy training course will focus on the contemporary waste management practices and will examine each of these in relation to applicability in different sectors of the economy. Particular reference will be made to the transition from the linear economy to the circular economy approach and the implications of this on the sustainable use of resources.

Course Objectives:

- Introduction of circular economy approach
- The waste management hierarchy
- Understand the importance of sound waste management in relation to SDGs and reduction of poverty;
- Identify tools that can be used on effective planning for waste management;
- Discuss how to promote effective governance of waste among key stakeholders;
- Identify Policy instruments to be used on waste management and waste reduction;
- Discuss how circular economy approaches can be supported through waste management.
- Understand the importance of biowaste management and its contribution to economic growth

Organization benefits:

- Spread circular economy principles around all the staff and stakeholders
- Knowledge on regulatory compliance in relation to waste management
- Promote good relationships with stakeholders
- Implementation of a proactive policy in waste management and pollution
- Achieve economic benefits through a sustainable waste management policy
- Cultivate the “reduce at source” strategy

- Safeguard customer loyalty to their products/services
- Support the staff towards change and transformation to improve sustainability and green economy principles.

Course contents:

DAY 1: Introduction to Waste

- Waste classification criteria
- The waste management chain and resource allocation
- The waste hierarchy – From production to final disposal
- Definition of hazardous and non-hazardous waste
- The waste management industry – Who are the stakeholders?

DAY 2: Waste Management - The Waste Generation Sectors

- Domestic/Municipal waste – Treatment and applications
- Commercial and industrial waste
- Hazardous waste
- Medical and toxic waste
- Introduction to regulations and best practices

DAY 3: Environmental Implications

- Environmental impact of waste management
- Water, land, and air pollution
- Difference between pollution & contamination
- Air pollution and health impacts
- Climate change – Greenhouse gas emissions

DAY 4: The Circular Economy Perspective

- Definition according to the United Nations Environment Program (UNEP)
- Sustainable consumption and production – The hotspots analysis tool
- Raw materials global spread, use and depletion
- Energy use
- Water use and scarcity
- Circular economy case studies in petroleum industry

DAY 5: The Risks Involved in Waste Management

- Prevention of contamination
- HAZID (HAZard IDentification)
- HAZOP (HAZard & OPerability)
- Landfill sites - The most common method of organized waste disposal
- Environmental ethics

The Circular economy applications in different sectors

- Circular economy case studies at different sectors worldwide