

## Certified Renewable Energy Project Developer: Biogas

### COURSE OVERVIEW

This comprehensive course is designed to equip participants with the knowledge and skills required to develop and manage biogas projects effectively. Focusing on the entire project lifecycle from feasibility studies to implementation and management. Furthermore, it covers the technical, financial, and regulatory aspects of biogas production from organic waste. Participants will learn how to assess biomass resources, design biogas systems, ensure compliance with regulations, and understand the economic viability of biogas projects.

### WHO SHOULD ATTEND?

This course benefits professionals in renewable energy, waste management, and environmental sectors, including energy managers, project developers, and engineers working on biogas and sustainable energy projects. It is also valuable for policymakers, government officials, entrepreneurs, investors, and business leaders interested in biogas solutions.

### COURSE OUTCOMES

Delegates will gain knowledge and skills to:

- Understand the principles of biogas production and the significance of biogas as a renewable energy source.
- Conduct feasibility studies and resource assessments for potential biogas projects.
- Design various types of biogas plants suitable for different organic feedstocks.
- Navigate regulatory frameworks and incentives relevant to biogas energy projects.
- Develop project financing strategies and perform cost-benefit analyses.
- Manage biogas projects effectively, ensuring sustainability and compliance.

### KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- Core processes in anaerobic digestion and biogas system design
- How to assess feedstock quality and estimate gas yields
- Technical design standards for small- and large-scale biogas plants
- Tools for conducting feasibility studies and lifecycle cost analysis
- Financing models and incentives for biogas project development
- Regulatory compliance for safety, emissions, and energy grid integration
- Operational best practices for biogas plant management and maintenance
- Case studies on successful biogas installations across the agriculture and municipal sectors

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded