

# CALCULATING YOUR CARBON FOOTPRINT

## INTRO COURSE

**1 DAY**

Face-to-face

Virtual Classroom

- Max 12 people
- Level: Fundamental

**Price:**  
**ID:**

**Prerequisite**  
None

### Audience

- Operational
- Engineering
- Environmental QEHS/SHE/QHSE
- Energy and/or sustainability managers

### THE+

- Case study and exercises to practice
- Tool box
- Dynamic course delivery with lot of participant exchange and discussions

## SUSTAINABILITY

### COURSE DESCRIPTION

This course will enable you to recognize the impact of carbon emissions, the importance of reporting them in a consistent manner, to grasp the terminology, key concepts and issues to the extent that you can begin to allocate the necessary resources to address and improve your carbon footprint calculation approach.

### LEARNING OBJECTIVES

- Understand what carbon/GHG emissions are and recognize their impact. Identify the specific greenhouse gases and the internationally accepted standardized (ISO 14064-1 and WBCSD/WRI Organizational GHG Protocol).
- Identify those aspects of their organization's activities that contribute to carbon emissions.
- Know how to use standardized approaches, emissions factors, calculate scope 1 and scope 2 emissions.
- Consider data management and quality issues, reporting and understand the importance of third party verification.

### PROGRAMME

#### 1 Introduction to Carbon Accounting and Climate Change

- What are carbon emissions and why should we care
- Types of gases, greenhouse effect and climate change impacts
- Voluntary reporting vs mandatory reporting
- Standards and guidance to help you starting the process of carbon accounting

#### 2 Scopes, Sources and Organizational Boundaries

- Identify aspects of activity which produce GHG Emissions
- Define reporting (operational) boundaries
- Appreciate the differences between scopes and categories
- Establish organizational boundaries for their businesses

#### 3 Calculating your organization's carbon footprint (GHG Inventory)

- Recognize the emissions which would be included in the carbon footprint
- Understand the formulae used for converting usage data into emissions
- Calculate the emissions total for the case study organization
- Know sources of activity data and emission factors used in calculations
- Prepare for the reporting of their organization's Carbon Footprint

#### 4 Ongoing Reporting and Verification

- Recognize the best practice options for ongoing reporting
- Devise or work with a system of collection and collation
- Allocate responsibilities based on roles and authority levels
- Deal with uncertainty associated with quantification approaches
- Track performance over time
- Identify the importance of verification

