



EMBODIED CARBON ANALYSIS INTRODUCTION

ONE DAY

COURSE OUTLINE AND DETAILS

 One Day

 Microsoft Teams

Who is it for?

This course is suitable for business professionals whose role requires an understanding of Embodied Carbon, Embodied Carbon Analysis, or Product Carbon Footprinting.

Prerequisites

Foundation level understanding of greenhouse gas emissions, competence with Microsoft Excel.

Access to Microsoft Teams is necessary as the course is delivered via Microsoft Teams.

Course Benefits

At the end of this course you will have an understanding of:

- Embodied Carbon and what it is
- Benefits of completing an Embodied Carbon Assessment
- How to gain visibility of the greenhouse gas emissions and the environmental impact of products manufactured, composed goods and material for construction
- Reduction initiatives to reduce carbon in goods and constructed materials
- Understanding of alternative materials
- Wider considerations to ECA
- Alternative applications and wider context

Course Content

An introduction to Embodied Carbon

- Definition of Embodied Carbon
- Life Cycle category definition
- Cradle to Gate and Cradle to Grave definition

Benefits of Embodied Carbon Assessment

- Marketing
- Environment
- Investment
- Customer Retention
- Supply Chain Requirements

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Analysis and Reporting

- Spreadsheet tools
- Quantification rules
- Internal reporting
- Identifying Hotspots

Embodied Carbon Reduction

- Gap analysis
- Augmenting the dataset
- Alternative material options for embodied carbon reduction

Considerations related to ECA

- Design team considerations
- Regulations - food, water, pharmaceuticals
- Outside of carbon - structural, cost, scheduling, hygiene

Wider Context

- Life Cycle Assessments - summary in the context of Embodied Carbon Assessment
- Whole Life Cycle Carbon - summary overview in the context of Embodied Carbon Assessment
- Environmental Product Declaration - summary overview in the context of Embodied Carbon Assessment