



Apōpō
CC 102



CC 102 – Carbon Emissions Analysis in Asset Management

Overview

CC 102 provides an overview of carbon emissions during the construction, maintenance and operations of infrastructure.

This course is designed around the following learning objectives:

1. Provide a basic awareness of the emission process and its linkage to climate change
2. Understand countries' commitments towards reducing emissions along with legislation, policies and targets (global and local)
3. Understand emissions associated with the construction, maintenance and operations of infrastructure
4. Be aware of different carbon emission rating tools and be able to undertake carbon emission analysis using rating tools in New Zealand
5. Be able to structure asset management processes towards reporting emissions and develop strategies to reduce the emissions.

Who should attend

All asset management and infrastructure practitioners who are starting to learn about mitigating carbon emission.

Typical attendees include

- Asset Managers
- Consultants
- Contractors
- Engineers
- Executives
- Planners
- Project managers
- Strategy staff

Learning material

- Text, images, video
- Formative assessment
- Activities
- Case studies
- Summative assessment

Outcomes

This course will give you:

- Introduction level understanding of carbon emissions associated with infrastructure
- Knowledge of how to measure emissions and develop strategies to reduce it.

Content

- Background to Climate Change
- Emissions in Different Sectors
- Road Transport Stream
- Buildings Stream
- Waters Stream
- Integrating Carbon Emission Analysis with Asset Management

Pre-requisites: AM 101, CC 101