BEYOND SMART CITIES

TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT REFRESHER TRAINING COURSE

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BEYOND SMART CITIES

MANAGED CARBON FOOTPRINT MEASUREMENT & VERIFICATION

FOR BUILDING SCIENCE PROFESSIONALS

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BUILDING SCIENCE SPECIALIST CURRICULUM

WHAT SHOULD YOU LEARN

- Carbon Footprint Measurement and Verification.
- What is a Carbon Footprint?
- Benefits of carbon footprint
- Carbon Footprint Verification
- Benefits Carbon Footprint Verification

CARBON FOOTPRINT M & V

The carbon footprint is a powerful tool to understand the impact of personal behavior on global warming. A personal carbon footprint when calculated, presents an alarm to people at the impact of their activities.

This calculation is essential for efforts to alleviate the effects of global climate change. The consolidated value of GHG produced by human activities are expressed in equivalent tons of Carbon di oxide (CO2).

A carbon footprint analysis is important so that organisation know what the current GHG emissions levels of their business are, and to develop strategies to lower them. Undertaken annually the carbon footprint can also be used as a driving force to improve operational efficiency within the business, highlighting significant cost and performance benefits available.

WHAT IS A CARBON FOOTPRINT?

The Carbon Footprint of a business is defined as “the amount of greenhouse gases (GHG) produced to directly and indirectly support business activities”, and it is expressed in terms of tons CO2e.

The main contributors to an orgnaisation’s carbon footprint include direct emissions such as fuels and transport (Scope 1), indirect emissions for instance electricity purchased (Scope 2), and other indirect emissions including business travel, water, waste and the broader supply chain (Scope 3).

BENEFITS CARBON FOOTPRINT

The benefits of calculating your organisation’s carbon footprint include:

Identification energy and carbon hotspots: allow for targeting of reduction measures which will have the greatest impact.

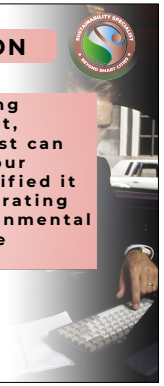
Strategy: informed development and update of your Environmental Social and Governance approach.

Target setting: inform the setting of robust GHG emissions reduction targets and environmental objectives.

Compliance: enabling your organisation to comply with mandatory GHG reporting (such as Streamlined Energy and Carbon Reporting), other legislative requirements, and broader supply chain requirements.

CSR and stakeholder engagement: demonstrating you organisation’s commitment to managing and reducing your impact on the environment.

CARBON FOOTPRINT VERIFICATION



For organisations who are already completing annual assessments of their carbon footprint, Beyond Smart Cities Environmental Specialist can undertake an independent verification of your results. By having your carbon footprint verified it shows the organisaton's commitment to operating in an ethical manner, enhancing your environmental performance, reputation, and position in the market.

THE BENEFITS OF CARBON VERIFICATION

Having independent verification of your carbon footprint shows all stakeholders the organisation has a serious approach to environmental impact, and ongoing improvement. Independent verification of your carbon footprint provides assurance that the data used is accurate, the results reliable, and adds credibility to the reported information

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