

# Hungry for Less?

**THE GLOBAL  
BUSINESS MANDATE  
FOR EMISSIONS  
MANAGEMENT**



**Balance  
Carbon.**

Emissions Auditing  
& Consulting

# We all know about the threat that carbon emissions pose to the environment.

## But what about the threat to business?

Facing the prospect of a carbon constrained future, the challenge for businesses will be to accurately measure, manage and mitigate emissions intensity across all aspects of their operations and product or service supply chains. In fact, Australian and international markets are increasingly focusing on the emissions performance of the products or services they buy or sell and as such, the size of a business' carbon footprint could become the defining factor in developing and maintaining competitive advantage and reducing costs.

At BalanceCarbon® our core business is the provision of technical services, specialist advice and ongoing support so your business can prosper in a carbon constrained future.

We are an Australian-based carbon management company specialising in services that can positively impact your financial bottom-line by improving efficiency, decreasing wastage and adopting better business practices through product and service innovation.

With a team of highly skilled and experienced environmental professionals including scientists, sustainability specialists, energy efficiency engineers and certified auditors, BalanceCarbon® is the ideal choice for total carbon emission management solutions for businesses and government.

### **OUR SERVICES**

BalanceCarbon® offers a complete range of solutions for carbon management and corporate sustainability performance. From measurement of your carbon footprint to managing emissions and mitigating the consequent effects, we can help your organisation prepare a comprehensive emissions management program to tackle the environmental and economic risk inherent in your footprint.

# Overview

Help your business decrease its carbon footprint with these basic steps

## SERVICES

### MEASUREMENT

- Compliance energy and emissions reporting
- Carbon neutral registration
- Product lifecycle greenhouse gas assessment
- Major project greenhouse gas assessment
- Event greenhouse gas assessment
- Energy efficiency auditing
- Assurance services
- NABERS assessments
- Sustainability reporting
- Carbon risk and due diligence services
- Vegetation and soil carbon accounting

### MANAGEMENT

- Energy and greenhouse gas management strategy
- Public disclosure statements
- Systems development
- Education and training
- Policy advisory
- Specialist consulting

### MITIGATION

- Energy efficiency design and installation
- Solar and micro wind design and installation
- Carbon offsets

# If it's manmade, chances are it has a carbon footprint.

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## **UNDERSTANDING THE COMPOSITION OF A PRODUCT'S CARBON FOOTPRINT THROUGH ITS LIFE CYCLE PROCESS**

Virtually everything that is manufactured and consumed has an associated carbon cost in terms of the raw materials, energy and other resources required as inputs and the greenhouse gases that are discharged in the process of production, consumption and disposal. Based on the corporate or product boundary, the sum total of these inputs and outputs is what constitutes the carbon footprint.

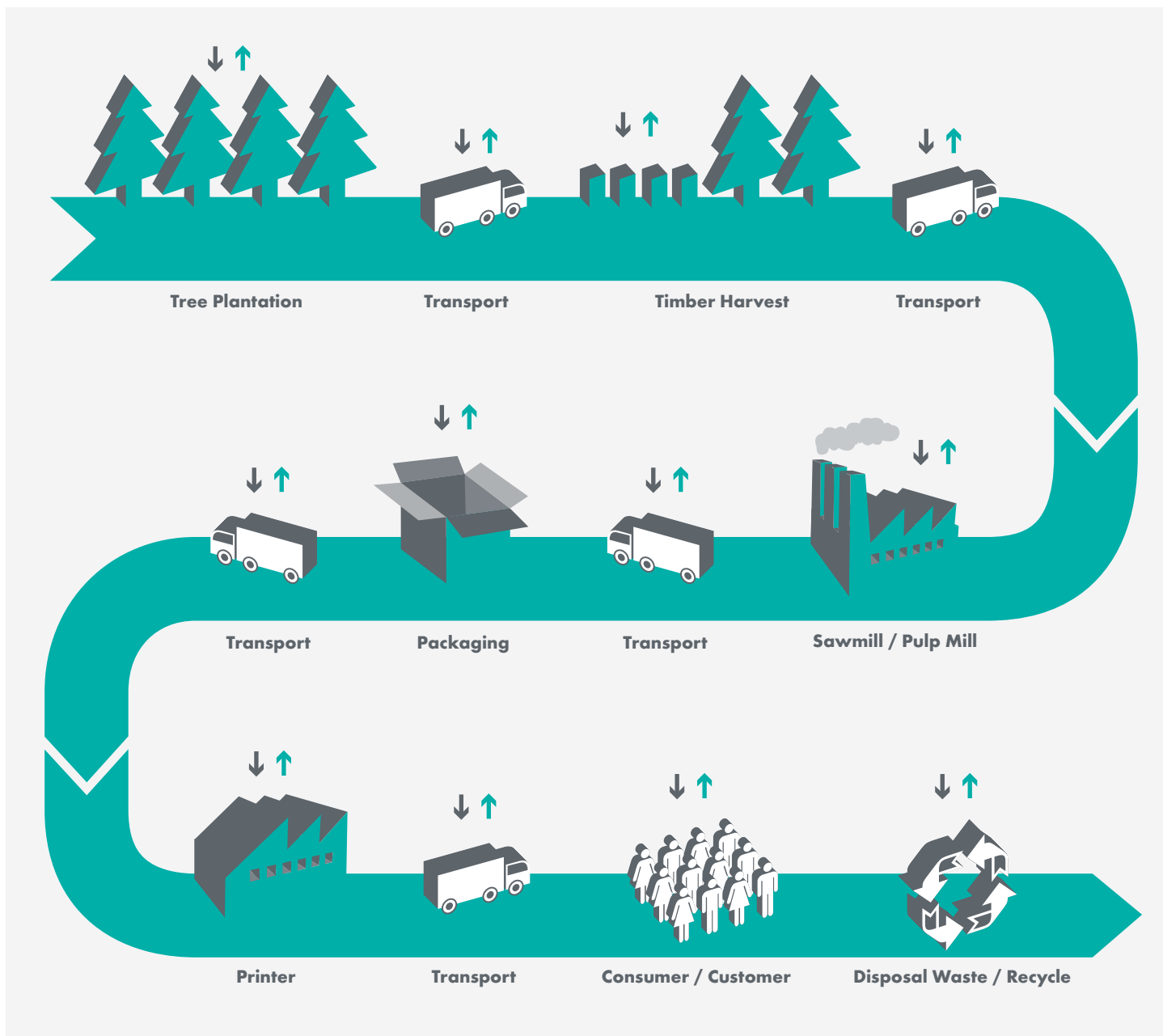
Shown alongside is a simplified description of the possible inputs and outputs that are associated with the creation of this brochure. This life cycle process serves as a basic model for visualising the carbon footprint of this brochure and even more complex items, which you are likely to utilise over the course of your day. What's more, the diagram highlights the diverse factors that need to be considered as well as the compounding nature of carbon cost through a supply chain.

# Understanding the process

As an example, let's consider the possible emissions that this brochure could be responsible for

INPUTS → Raw Materials/ Electricity/ Fuel/ Gases/ Chemicals

OUTPUTS → Greenhouse Gases (GHGs)/ Waste



# When it comes to managing emissions most organisations don't even have a Plan A.

BalanceCarbon® administers a range of carbon labels, which identify corporations, products, projects and events that demonstrate a real and transparent approach to being carbon neutral. Periodic assessments of the inventory boundaries, emissions activity data, and progress towards objectives established in the base year Emissions Management Plan are required to maintain ZeroC registration for your business, product, project or event.

## **NATIONAL AND INTERNATIONAL LEGISLATION, STANDARDS AND GUIDELINES**

The ZeroC label utilises National and International legislation, standards and guidelines for all greenhouse gas emission accounting and reporting.

These include:

- Australian Government Department of Climate Change and Energy Efficiency(2009) National Carbon Offset Standard, Commonwealth of Australia
- Australian Government Department of Climate Change and Energy Efficiency(2008) National Greenhouse & Energy Reporting (Measurement) Technical Guidelines 2008 v1.1, Commonwealth of Australia
- Australian Government Department of Climate Change and Energy Efficiency(2009) National Greenhouse Accounts (NGA) Factors, Commonwealth of Australia, June 2009
- World Business Council for Sustainable Development & World Resource Institute (2001) The Greenhouse Gas Protocol – A Corporate Accounting & Reporting Standard, Revised Edition
- PAS 2050:2008; Specification for the assessment of the life cycle greenhouse gas emissions of goods and services; British Standard
- Intergovernmental Panel on Climate Change (IPCC) (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories
- ISO14040:2006 Environmental management – Life cycle assessment – Principles and framework
- ISO14044:2006 Environmental management – Life cycle assessment – Requirements and guidelines

# ZeroC Labelling

The range of carbon neutral labels available from BalanceCarbon®

- ISO14064-1:2006 Greenhouse gases – Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals.

Any business, product, project or event that displays the ZeroC label\* signifies that it has:

- undertaken an independent assessment of their energy consumption and greenhouse gas emissions in line with the documented system boundary;
- established an Emissions Management Plan and associated internal systems and procedures for achieving continual improvement in emissions measurement, management and mitigation;

- offset unavoidable emissions using certified carbon offsets, to operate with a zero net emissions profile (carbon neutral); and
- committed to an annual independent review.

Any business which achieves ZeroC is demonstrating carbon neutrality, backed by a solid and transparent approach to measuring, managing and mitigating their GHG emissions in accordance with national and international legislation, standards and guidelines.

\*The presence of the ZeroC label does not constitute certification under the National Carbon Offset Standard 2009. See the ZeroC Fact Sheet for further information.

**100%  
Carbon Neutral  
BUSINESS**

**ZeroC™** [balancecarbon.com](https://balancecarbon.com)

**100%  
Carbon Neutral  
EVENT**

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**100%  
Carbon Neutral  
PRODUCT**

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**100%  
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PROJECT**

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