

OECD Sustainable Manufacturing Toolkit

A guide to greening your business

Environmental improvement goes hand in hand with improved competitiveness

“Sustainable manufacturing” is increasingly critical to today’s pioneering businesses. Products and production with a reduced environmental impact have become a business imperative in many sectors. The global market for low-carbon products already exceeds USD 5 trillion and companies which demonstrate green credentials in what they do and what they sell are gaining higher financial value.

The *OECD Sustainable Manufacturing Toolkit* is designed to help businesses, particularly **supply chain firms and small and medium-sized enterprises (SMEs)**, develop a more sustainable approach for growth. Concise and practical, the OECD Toolkit enables firms to make the most of green growth opportunities by:

- Making their operations more efficient
- Reviewing the materials they acquire for production
- Rethinking their products’ benefits and challenges
- Motivating and driving continuous improvement in their teams

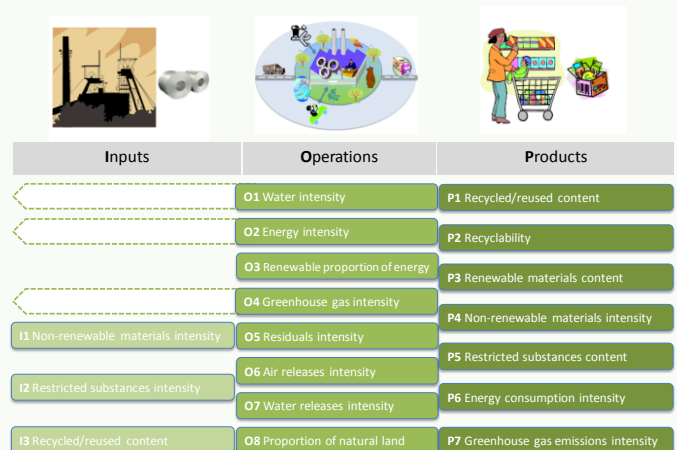
"Innovation and sustainable manufacturing must be at the heart of any company's business strategy. The OECD Toolkit provides a practical starting point for businesses to improve the efficiency of their production processes, and therefore to change their business models."



Dr. Botaro Hirosaki, Executive Advisor (former Senior Executive Vice President), NEC Corporation
Chair of Technology Committee, Business and Industry Advisory Committee to the OECD (BIAC)

If you can't measure, you can't manage

Measuring performance is the vital first step to improve any aspect of a business. This toolkit provides a set of internationally applicable, common and comparable indicators to measure the environmental performance of manufacturing facilities. It introduces **18 key performance indicators** that illustrate the impact of typical manufacturing activities – inputs, operations and products – on the environment. These indicators can be applied by businesses of any size and in any sector to measure, benchmark and improve their environmental performance.



The indicators were developed through a two-year stakeholder consultation process. They owe much to the existing variety of measurement and reporting initiatives and maintain consistency with what is already available.

The Toolkit is a contribution to the OECD Green Growth Strategy.

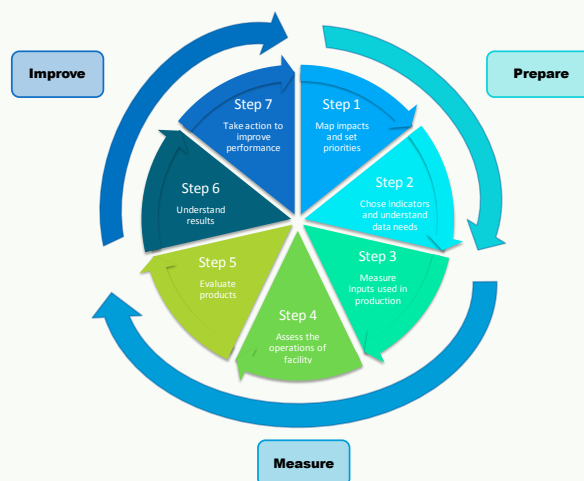
The *OECD Sustainable Manufacturing Toolkit* aims to contribute to the implementation of the *OECD Green Growth Strategy*, which will be launched in May 2011 to provide a practical policy package for governments to stimulate economic growth while preventing environmental degradation, biodiversity loss and unsustainable natural resource use. For more about the Strategy, visit www.oecd.org/greengrowth

Guide and Web Portal

The *OECD Sustainable Manufacturing Toolkit* aims to engage diverse businesses with different levels of experiences in sustainable manufacturing by providing guidance in print and online.

Start-up Guide: Seven steps to environmental excellence

With 50 pages, the Guide provides readers who are less experienced in sustainable manufacturing with an easy-to-read, step-by-step introduction to environmental issues and the use of the key performance indicators. A **7-step process of continuous improvement** helps them learn how sustainable manufacturing can benefit both their business and the planet and it gets them started with measuring environmental performance. The Guide demonstrates the many ways that businesses can benefit from good environmental practices to improve their financial performance, to enhance their commercial focus and to develop good relationships with key stakeholders. Related good practice case studies offer tried and tested approaches as food for thought for similar business sectors.



OECD Sustainable Manufacturing Toolkit Website

The OECD Sustainable Manufacturing Toolkit provides a practical starting point for businesses around the world to improve the efficiency of their production processes and products in a way to contribute to sustainable development and green growth.

The key instrument of this toolkit is an internationally applicable common set of indicators to measure environmental performance at the level of facilities. To ease accessibility to readers with different levels of knowledge and experiences, the toolkit offers two versions – a booklet and a website. In addition to the start-up guidance contained in the booklet, this website provides more detailed explanations on the implementation of sustainable manufacturing. Click below on the items that you would like to consult.

[Download the Booklet version](#)

About About the toolkit and sustainable manufacturing and its business benefits	Action Steps Seven steps to measure your environmental performance
Indicators Calculation methods and technical notes on 18 OECD sustainable manufacturing indicators	Essential Data Definitions and guidance on 54 data items needed to calculate OECD indicators
Technical Advice Other relevant guidance to effectively use OECD indicators	Good Practices Corporate practices that successfully seize win-win opportunities from sustainable manufacturing
Data Tools Model worksheets and links to conversion tables that help calculate OECD indicators	Glossary Explanation of keywords appearing in the toolkit
Beyond Measurement Useful links to other sustainable manufacturing tools and initiatives	Contact us & Feedback

OECD Sustainable Manufacturing Portal www.oecd.org/innovation/green/toolkit

The Web Portal provides **more detailed, technical guidance** for the readers of the Guide as well as those who already have some experience in sustainable manufacturing. It offers a wealth of further information - business benefits, best practices, detailed formulas of OECD indicators, technical advice on how to interpret the indicators and other data management tools.

The web site also provides **links to existing sustainable manufacturing tools and initiatives**. This will help businesses go beyond the OECD indicators and obtain more tailored advice. The web site also allows users to give feedback and make suggestions for additional links in future updates.

The final version of the Guide will be available free of charge at the OECD Sustainable Manufacturing Portal:

www.oecd.org/innovation/green/toolkit

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