



# PRODUCT CARBON FOOTPRINT

According to international standards

## Calculate your Product Carbon Footprint including upstream and downstream emissions

In some countries of Europe, products are already sold along with comprehensive information about their carbon footprint, or more specifically, the impact the production and distribution of that product has on the environment and climate change. Even if no legal obligation for a product carbon footprint calculation exists until today, these calculations are more and more demanded and can be the decisive factor for winning a contract. The procedure to establish a PCF is normally quite complex, as the CO<sub>2</sub> balance of a product is intended to reflect its emissions along the whole life cycle (LCA), for a defined use case and related to a defined unit (allocation).

DFGE supports and advises you during the entire product carbon footprint calculation. We take into account upstream and downstream processes, including manufacturing, transport emissions, production and distribution, but also waste disposal.

With our proven top-down approach, we are able to provide an emission balance for your product within a short period of time. This balance is based on international standards such as the Greenhouse Gas Protocol and thus withstands third-party testing. This enables you to communicate successful sustainability management and optimize your CSR strategy.



**CLIMATE NEUTRAL  
PRODUCT / COMPANY**

[www.cn.dfge.de/2021-2102-1234](http://www.cn.dfge.de/2021-2102-1234)

In addition to the Corporate Carbon Footprint, which takes into account the total emissions of a company, a company can initially focus on calculating a Product Carbon Footprint. The Product Carbon Footprint, calculated according to scientific standards and the DFGE Top-Down approach, forms the basis and the first step in the climate strategy and leads in the long run to the CO<sub>2</sub>-neutralization of the product.

# PRODUCT CARBON FOOTPRINT

First step of Climate Strategy

## OUR SERVICES



### Enterprise

- We reduce your invested effort as much as possible
- Based on an initial briefing, we collect all information
- Complete calculation of your Product Carbon Footprint
- Presentation of benchmarks and potentials for emissions savings



### Services

- We help you to establish know-how
- Workshops & trainings
- Tailor-made consulting services
- Validation of your calculations according to international standards like GHG-protocol or ISO 14064



## YOUR ADVANTAGES

### Why you should contact DFGE for your PCF:

For the calculation, production and transport of used resources, the actual production process, distribution as well as usage and downstream processes like waste disposal have to be taken into account.

Based on the experience of DFGE and by means of the TopDown Approach, a product emissions balance can be calculated in a relatively short timeframe.

The accounting process is carried out in accordance with the internationally recognized GHG Product Life Cycle Accounting and Reporting Standard, and is partly based on the English standard PAS 2050:2008, as well as on the international Norm 14067:2013.

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Founded in 1999 as a spin-off of the technical University of Munich, the DFGE – Institute for Energy, Ecology and Economy provides consulting services in the field of sustainability. Our offer Sustainability Intelligence featuring calculation management, reporting solutions and strategy development aims at bundling the effort of taking part in several sustainability/CSR standards and rankings like CDP, UNGC, DJSJ, EcoVadis or GRI as well as building overarching strategies, such as a sustainability strategy according to the SDGs. As the unique partner of the CDP for SBTs, DFGE provides its customers with comprehensive advice on climate strategy and helps them to operate climate-neutrally at product level or company-wide. To enable a future AI-based CSR management, DFGE researches in big data approach and machine learning. Our clients comprise international companies (DAX and fortune 500), SMEs, governmental organizations or territorial authorities.