# NDC PRODUCT CARBON FOOTPRINT



# REAL-TIME PRODUCT CARBON FOOTPRINT TRANSPARENCY

Calculate, optimize, and predict the $CO_2e$ emissions of each manufactured product in a fast, accurate, and automated way. Process extensive production portfolios according to the most used methodologies and frameworks (TfS, ISO 14000-series).

## www.ndcgroup.com

# Real-time Product Carbon Footprint transparency

NDC Product Carbon Footprint empowers you to automatically perform detailed PCF analysis and optimisation for the entire production portfolio. It means that besides the calculation of overall corporate emissions, you can study carbon footprint of each of the products, analyse the main emission contributing elements, and simulate optimisation scenarios.

## REAL-TIME PCF

Emission data are generated and refreshed in real time, automatically, and with no human effort.

## SIMULATE DE-CARBONISATION SCENARIOS

Intuitive user interfaces allows fast and simple simulation of alternative scenarios (e.g. product compositions, energy mixes, or supplier combinations).

## SINGLE TRUTH OF EMISSION DATA

Embedded emission factor management module gives power to view and manage all the emission factors and setup emission factor substitution logic to tackle limited data availability.

# Features

- Fast calculation engine
- Flexible calculation rules and algorithms
- Rich visualisations and simulation functions
- Configurable input data interfaces
- Integrated reporting
- Possibility to combine emission and pricing data
- Robust data security and data access rules
- Full audit trails

# One tool to drive the sustainable transformation

NDC Product Carbon Footprint delivers benefits to everyone

## CEO/Executive committee

✓ *On one click, obtain the total company's $CO_2e$ emissions and the most emission heavy products*

✓ *Use the data to drive the decarbonisation strategies and automatically run the cost/value analysis*

**Develop sustainable strategy**

## CFO / Global Finance

✓ *Analyse the detailed emission contributing factors*

✓ *Simulate alternative scenarios and optimisation stragies*

**Drive down the footprint**

## Sales and Marketing

✓ *Automatically provide the product carbon footprint certificates to your customers*

✓ *Gain information on the reliability of the data to avoid miscommunication*

**Leverage reliable data**

## Data engineers

✓ *Adjust the algorithms to reflect data complexity and exceptions*

✓ *Easily integrate external data sources, such as emission factor databases*

**Increase accuracy**

## IT

✓ *Track any changes via the automatically generated audit log*

✓ *Rely on the proven technology stack to reduce operational effort*

**Utilize robust technology**

**CLARIANT**

*Drives the implementation at Clariant*

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