

YOUR PATH TO VERIFICATION

Carbon Footprint

For the verification of the carbon footprint, the company needs to carry out points 1 to 3 first.

1 Preparation of the carbon footprint

- Defining the objectives of determining the carbon footprint (control, communication, competition)
- Determination of the base year (year for which emissions are to be recorded)
- Determination of the locations/products under consideration
- Determination of the calculation standard (GHG Protocol, ISO 14064-1, ISO 14067)

2 Data collection for the carbon footprint

- Recording of the main emission sources (direct/indirect emissions)
- Identification of data sources for calculation (controlling tools, management systems, invoices)
- Data collection (e.g. electricity in kWh) and documentation of data quality (measurement, calculation, estimation of data)
- Determination of the relevant CO₂ emission factors as CO₂ equivalent (e.g. g CO₂e/kWh) with the help of official data sources (DEFRA, eGrid, IEA, etc.)

3 Calculation of the carbon footprint

- Calculation of an initial carbon footprint
- Preparation of a footprint report to document the results, the data collection system, the data quality, assumptions made, estimates, emission factors, uncertainties of the calculation, etc.

4 Verification of the carbon footprint

