



Giesecke+Devrient
Creating Confidence

Corporate Carbon Footprint 2021

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Our Corporate Carbon Footprint

As part of our commitment to sustainability, it is crucial that we manage our corporate carbon emissions arising from our business activities. The responsible use of resources and protection of our climate and environment are core values of G+D's environmental strategy and is a key priority of G+D's CR policy. We calculated our first global corporate carbon footprint for the year 2010. The CCF includes the carbon impacts from our global production operations, as well as for a wide range of our procurement materials. This has given us a sound basis for developing our carbon management strategy, and a baseline against which to measure our future performance. In addition, we use our results to support our customers in the implementation of their climate strategies, e.g. through our regular participation in the Carbon Disclosure Project (CDP). The CDP is by far the most important initiative for climate reporting for companies.

G+D's CCF has been determined using a well-established web-based enterprise sustainability solution, under a consistent framework, automated conversion into carbon emissions using industry-accepted emission factors, and analysis and reporting in conformance to international standards such as the Greenhouse Gas Protocol. G+D's 2021 corporate carbon footprint is 305.193 t of carbon dioxide equivalents (CO₂-e). The combined 2021 Scope 1 (direct emissions at production sites) and Scope 2 (indirect emissions from purchased energy) emissions amount to 82.654 t CO₂-e (market-based approach). Apart from Scope 1 + 2 emissions, we have also accounted for indirect emissions from our corporate value chain (Scope 3). These amounted to 222.539 t of CO₂-e in 2021, the majority of which were associated with products and materials purchased by G+D.



In 2018, we adopted a group-wide reduction target and set it to cause 25 percent less direct and indirect CO₂ emissions in relation to sales by 2022 (base year 2016). In 2020, we had already exceeded our target (32 percent reduction compared to 2016). We were able to further increase our emission savings in 2021 and thus reduce our CO₂ emissions for Scope 1 and 2 by 40 percent compared to the base year 2016.

At the end of 2021, we decided on a new, more ambitious climate target: based on the base year 2020, we want to reduce our absolute greenhouse gas emissions by 42 percent by 2030 and reach net zero by 2040. We take into account scopes 1, 2 and 3. With our climate target, we are making a concrete contribution to limiting global warming to 1.5 degrees. When developing the climate target, we were guided by the criteria of the Science Based Targets initiative (SBTi).