WHEN TRUST MATTERS

Independent Limited Assurance Report

to the Management of thyssenkrupp Materials Western Europe GmbH and Materials Eastern Europe GmbH

thyssenkrupp Materials Western Europe GmbH ("thyssenkrupp MWE" or "MWE") and thyssenkrupp Materials Eastern Europe GmbH ("thyssenkrupp MEE" or "MEE") commissioned DNV Business Assurance Germany GmbH ("DNV", "us" or "we") to provide limited assurance on the robustness of the methodology and tools ("Selected Information") applied by thyssenkrupp MWE and MEE and associated companies within the Materials Western Europe and Eastern Europe Operating Units (together referred to here as "thyssenkrupp MWE and MEE companies") used to calculate product carbon intensities and issue product carbon intensity reports.

Our Conclusion: Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that the Selected Information is not fairly stated and has not been prepared, in all material respects, in accordance with the Criteria. In our opinion the methodology and tools used for calculating product CO_2eq intensities have been prepared in general alignment with the WRI/WBCSD GHG Protocol Product Life Cycle Accounting and Reporting. This conclusion relates only to the Selected Information and is to be read in the context of this Assurance Report, in particular the inherent limitations explained overleaf.

Selected Information

The scope and boundary of our work is restricted to the **methodology** and **tool** described below (the "Selected Information"):

- **The methodology:** the detailed description developed by thyssenkrupp MWE and MEE companies of the processes and data sources used to calculate product carbon intensities;
- **Product carbon footprint tool:** the ERP system ("greenability PCF Tool") containing data from thyssenkrupp MWE and MEE site operations, thyssenkrupp MWE and MEE procurement and sales and customer delivery operations, data related to the upstream carbon emissions intensity of materials and the delivery of those materials to thyssenkrupp MWE's and MEE's respective sites provided by third-party vendor CarbonChain via API (application programming interface), and calculations to determine product carbon intensities in accordance with the methodology.

Criteria

We assessed the thyssenkrupp MWE and MEE methodology and the greenability PCF Tool for calculating product CO_2eq intensities against the following **Criteria** (the "Criteria"):

- The publicly available Greenhouse Gas Protocol for Product Life Cycle Accounting and Reporting Standard, as issued by WRI/WBCSD;
- thyssenkrupp MWE's and MEE's internal procedure for creating product carbon intensity reports for customers; and
- thyssenkrupp MWE's and MEE's methodology document [summary available on request from thyssenkrupp MWE and MEE] on the product CO_2eq intensities, including their following definitions:
    - **product CO_2eq intensities:** The amount in metric tonnes of CO_2eq associated with each tonne of product. The CO_2eq intensities calculation is conducted in alignment with the Greenhouse Gas Protocol for Product Life Cycle Accounting and Reporting Standard.

Scope of Work and Limitations

DNV have reviewed and tested specific systems, underlying processes and datasets applied in the greenability PCF Tool in order to form an opinion on the robustness of the Selected Information and their preparation in accordance with the Criteria. DNV have expressly not verified specific values applied within the greenability PCF Tool, values provided by CarbonChain or other third-parties, nor values presented in reports issued to customers, unless stated otherwise in this Assurance Report.

DNV have performed the following activities in the scope of validation, described in the context of particular "Life Cycle Stages" of cradle-to-customer-gate product carbon intensity values calculated within the greenability PCF Tool, in addition to the activities listed below under 'Basis of our Conclusion'.

- 'Upstream' – This life cycle stage includes emissions from the extraction, refining, and transport of raw materials to a production site (e.g. crude steel producer). The emissions intensity of raw materials is calculated by third-party vendor CarbonChain. Depending on the supplier- or product-specific carbon intensity data supplied by thyssenkrupp MWE and MEE to CarbonChain, CarbonChain applies the best available and most specific data from public and purchased datasets in order to derive carbon intensities and report them back to the greenability PCF Tool to be applied within carbon intensity calculations. CarbonChain's methodology and data were previously the subject of limited assurance from Bureau Veritas and SGS. DNV met with CarbonChain and thyssenkrupp MWE and MEE on 26. June 2024. CarbonChain provided an overview of their methodological approach and data sources. DNV have additionally

reviewed material-specific emissions intensity data provided by CarbonChain within the greenability PCF Tool and found them to be consistent with other accessible datasets, such as those from World Steel Association or EPDs, with differences arising from the resolution (e.g. 'global default' versus asset-specific'), or specificity of the boundaries of the emissions intensity factors. DNV confirmed the 'Upstream' material-specific emissions intensity factors received from CarbonChain were correctly applied within a sample of product carbon emissions intensity calculations in the greenability PCF Tool.

- 'Supplier Delivery' – This life cycle stage includes emissions from the complete supply chain of materials from suppliers to thyssenkrupp MWE's and MEE's sites. The same general process and application of a data hierarchy is applied, as described above in 'Upstream', and was reviewed with CarbonChain and thyssenkrupp MWE and MEE on 26. June 2024. DNV have additionally reviewed specific Supplier Delivery emissions intensity data provided by CarbonChain within the greenability PCF Tool for deliveries of materials to specific thyssenkrupp MWE and MEE sites. DNV compared these intensity data from CarbonChain to site-specific supplier delivery emissions intensities which had been previously calculated by thyssenkrupp MWE for the reporting period of Fiscal Year 2021/22, covering 50 sites across Austria, Belgium, Germany, the Netherlands, Portugal, Spain, Switzerland, and the UK; DNV performed the same comparison of data from thyssenkrupp MEE for its Fiscal Year reporting period of 2020/21 covering one site in Budapest, Hungary. These data from thyssenkrupp MWE and MEE were the subject of a previous verification performed by DNV; details of the calculation of these data and the subsequent verification are available on request from thyssenkrupp MWE or MEE. DNV found the supplier delivery intensity data applied within the greenability PCF Tool to be consistent with the site-specific supplier emissions intensities calculated by thyssenkrupp MWE and MEE. DNV confirmed the 'Supplier Delivery' emissions intensity factors received from CarbonChain were correctly applied within a sample of product carbon emissions intensity calculations in the greenability PCF Tool.
- 'Processing & Warehousing' – This life cycle stage includes emissions from energy and fuels consumed at thyssenkrupp MWE and MEE sites. It also includes carbon emissions from product packaging and waste generation. thyssenkrupp MWE apply site-specific emissions intensities previously calculated for the reporting period of Fiscal Year 2021/22, covering 50 sites across Austria, Belgium, Germany, the Netherlands, Portugal, Spain, Switzerland, and the UK; thyssenkrupp MEE apply the site-specific emissions intensity previously calculated for the reporting period of Fiscal Year 2020/21, covering one site in Budapest, Hungary. These data from thyssenkrupp MWE and MEE were the subject of a previous verification performed by DNV; details of the calculation of these data and the subsequent verification are available on request from thyssenkrupp MWE or MEE. For other MWE or MEE sites outside the scope of the previous verification, a default emissions intensity factor is applied, reflecting the simple average of all verified emissions intensity factors. thyssenkrupp MWE and MEE have stated their intent to collect more current data for this life cycle stage across all MWE and MEE sites. DNV confirmed the 'Processing & Warehousing' site-specific or default emissions intensity factors were correctly applied within a sample of product carbon emissions intensity calculations in the greenability PCF Tool.
- 'Customer Delivery' – This life cycle stage includes emissions from the delivery of products from thyssenkrupp MWE and MEE sites to their customer's gate. At the time of DNV's assurance, thyssenkrupp MWE and MEE assumed all deliveries were made by Truck. The emissions factor of 0.118 kg CO_2 / t * km (i.e. per ton-kilometer) for Truck transport ('Lkw' in German) is sourced from Germany's Umweltbundesamt, TREMOD 6.42 (12/2022). DNV confirmed the 'Customer Delivery' emissions intensity factor was correctly applied within a sample of product carbon emissions intensity calculations in the greenability PCF Tool.

Standard and level of assurance

We performed a **limited** assurance engagement in accordance with the International Standard on Assurance Engagements (ISAE) 3000 revised – 'Assurance Engagements other than Audits and Reviews of Historical Financial Information' (revised), issued by the International Auditing and Assurance Standards Board. This standard requires that we comply with ethical requirements and plan and perform the assurance engagement to obtain limited assurance.

DNV applies its own management standards and compliance policies for quality control, which are based on the principles enclosed within ISO IEC 17029:2019 – Conformity Assessment – General principles and requirements for validation and verification bodies, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement; and the level of assurance obtained is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed. We planned and performed our work to obtain the evidence we considered sufficient to provide a basis for our opinion, so that the risk of this conclusion being in error is reduced but not reduced to very low.

Inherent limitations

All assurance engagements are subject to inherent limitations as selective testing (sampling) may not detect errors, fraud or other irregularities. Non-financial data may be subject to greater inherent uncertainty than financial data, given the nature and methods used for calculating, estimating and determining such data. The selection of different, but acceptable, measurement techniques may result in different quantifications between different entities. Our assurance relies on the premise that the data and information provided to us by thyssenkrupp MWE and MEE have been provided in good faith. DNV expressly disclaims any liability or co-responsibility for any decision a person or an entity may make based on this Independent Limited Assurance Report.

Basis of our conclusion

We are required to plan and perform our work in order to consider the risk of material misstatement of the Selected Information; our work included, but was not restricted to:

- Assessing the appropriateness of the Criteria for the Selected Information;
- Conducting remote interviews with thyssenkrupp MWE and MEE technical teams and CarbonChain's technical team to obtain an understanding of the key processes, systems and controls in place to generate, calculate and report the Selected Information;
- Performing limited substantive testing on a selective basis of the Selected Information to check that emissions factors and reference data had been appropriately applied and reported; we were free to request interviews, data and information to support the process; and
- Reviewing that the evidence and their scope provided to us by thyssenkrupp MWE and MEE for the Selected Information is prepared in line with the Criteria.

For and on behalf of DNV Business Assurance Germany GmbH

Oliver Bley, Reviewer

Timothy Bankroff, Lead Auditor

Essen, Germany

25 July 2024

DNV Business Assurance Germany GmbH is part of DNV – Business Assurance, a global provider of certification, verification, assessment and training services, helping customers to build sustainable business performance. www.dnv.com

Our competence, independence and quality control

DNV established policies and procedures are designed to ensure that DNV, its personnel and, where applicable, others are subject to independence requirements (including personnel of other entities of DNV) and maintain independence where required by relevant ethical requirements. This engagement work was carried out by an independent team of sustainability assurance professionals. Our multi-disciplinary team consisted of professionals with a combination of environmental and sustainability assurance experience.

Responsibilities of the Management of thyssenkrupp MWE and MEE, and DNV

The Management of thyssenkrupp MWE and MEE have sole responsibility for:

- Preparing and presenting the Selected information in accordance with the Criteria;
- Designing, implementing and maintaining effective internal controls over the information and data, resulting in the preparation of the Selected Information that is free from material misstatements;
- Measuring and reporting the Selected Information based on their established Criteria; and
- Contents and statements contained within product CO_2eq intensity reports

Our responsibility is to plan and perform our work to obtain limited assurance about whether the Selected Information has been prepared in accordance with the Criteria and to report to thyssenkrupp MWE and MEE in the form of an independent limited assurance conclusion, based on the work performed and the evidence obtained. We have not been responsible for the preparation of product CO_2 eq intensity reports. We have not reviewed whether or how thyssenkrupp MWE or MEE customers have used the reported CO_2eq intensities in their Scope 3 reporting.