



# Greenhouse Gas Report 2024

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## 1 Introduction

The calculation of Mubea's greenhouse gas emissions is based on the GHG Protocol Corporate Accounting and Reporting Standard (WRI/WBCSD, 2004), the GHG Protocol Scope 2 Guidance (WRI, 2015) and the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (WRI, 2011). All Scope 3 categories are reported in line with the "minimum boundaries" defined by the GHG Protocol.

In addition, Mubea aligns its methodology with current requirements of the Science Based Targets initiative (SBTi) and monitors the further development of the GHG Protocol, which is currently under revision. Updates are expected in particular for Scope 2 and Scope 3 accounting. We will integrate these changes into our reporting once they are officially released.

Furthermore, we consider regulatory requirements such as the EU Corporate Sustainability Reporting Directive (CSRD) and the corresponding European Sustainability Reporting Standards (ESRS E1). These frameworks are based on the GHG Protocol but place additional emphasis on transparency regarding data quality, use of primary data and uncertainty disclosures.

Mubea therefore commits to continuously reviewing its emission accounting methodology in accordance with both international standards (GHG Protocol, ISO 14064-1:2018) and emerging regulatory requirements.

## 2 Descriptive information

| Descriptive information                                                                                                                                                                                                                             | Company response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name of the company</b>                                                                                                                                                                                                                          | Mubea Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description of the company</b>                                                                                                                                                                                                                   | <p>We are an international partner to the transportation industry and a leading specialist in innovative lightweight solutions for high-strength components and related products. As an owner-operated family business, our name stands for long-term, sustainable economic success.</p> <p>Over the decades, we have grown into a top-tier automotive supplier with a broad product portfolio for chassis, body, and powertrain applications. In addition, we have recently expanded our portfolio to include high-performance components for aircraft applications. Through new lightweight designs, advanced materials, and state-of-the-art production technologies, we collaborate closely with our customers and scientific institutions to deliver innovative solutions for lighter and more efficient vehicles. Our pioneering products set international benchmarks.</p> <p>Developing new production technologies in-house is a core part of our philosophy, enabling us to respond flexibly and efficiently to customer requirements. The design and engineering of our own tools and production facilities are central to this approach.</p> <p>As a flexible, owner-operated family company with short decision-making paths and a long-term strategic focus, we employ more than 17,500 people at 58 locations in 22 countries (2024)</p> |
| <b>Chosen consolidation approach (equity share, operational control or financial control)</b>                                                                                                                                                       | Operational control: Production sites of fully consolidated companies worldwide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description of the businesses and operations included in the company's organizational boundary (Description of the inventory boundary, including an outline/description of the organizational (scope 1) boundaries of the reporting company)</b> | <p>Mubea reports scope 1 and scope 2 emissions from all production sites worldwide.</p> <p>Scope 3 emissions are reported for all Mubea Group companies included in the Consolidated Financial Statements on a full or proportional basis, unless stated otherwise.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>The reporting period covered</b>                                                                                                                                                                                                                 | 01/01/2024 -12/31/2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>A list of activities <u>included</u> in the inventory</b>                                                                                                                                                                                        | <p><b>Scope 1:</b></p> <ul style="list-style-type: none"> <li>• Category 1: Direct emissions stationary</li> <li>• Category 2: Direct emissions mobile</li> </ul> <p><b>Scope 2:</b></p> <ul style="list-style-type: none"> <li>• Category 1: Indirect emissions electricity (market-based)</li> <li>• Category 1: Indirect emissions electricity (location-based)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Descriptive information                                                                                                                                                                                    | Company response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                            | <p><b>Scope 3:</b></p> <ul style="list-style-type: none"> <li>• Category 1: Purchased goods &amp; services</li> <li>• Category 2: Capital goods</li> <li>• Category 3: Fuel- and energy-related activities (not incl. in Scope 1 or 2)</li> <li>• Category 4: Upstream transportation and distribution</li> <li>• Category 5: Waste generated in operations</li> <li>• Category 6: Business travel</li> <li>• Category 7: Employee commuting</li> <li>• Category 8: Upstream leased assets</li> <li>• Category 9: Downstream transportation and distribution</li> <li>• Category 10: Processing of sold products</li> <li>• Category 11: Use of sold products</li> <li>• Category 12: End-of-life treatment of sold products</li> <li>• Category 13: Downstream leased assets</li> <li>• Category 14: Franchises</li> <li>• Category 15: Investments</li> </ul> |
| <p><b>A list of activities <u>excluded</u> from the report with justification for their exclusion</b></p>                                                                                                  | <p><b>Scope 1:</b></p> <ul style="list-style-type: none"> <li>• Category 3: Direct emissions of gas<br/>These emissions are not reported as they are considered irrelevant for Mubea.</li> <li>• Category 4: Direct emissions from process<br/>Not relevant for Mubea.</li> </ul> <p><b>Scope 2:</b></p> <ul style="list-style-type: none"> <li>• Category 2: Indirect emissions cooling and heating<br/>Mubea does not consume heating and cooling energy.</li> <li>• Category 3: Indirect emissions steam<br/>Mubea does not consume steam.</li> </ul>                                                                                                                                                                                                                                                                                                        |
| <p><b>Once a base year has been established, the year chosen as base year and rationale for choosing the base year</b></p>                                                                                 | <p>For scope 1, 2 and 3 the base year 2019 was chosen in context of our strategy for carbon neutrality called “Make Mubea Green”, because this was a typical year for Mubea.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p><b>Once a base year has been established, the chosen base year emissions recalculation policy and context for any significant emissions Changes that trigger base year emissions recalculations</b></p> | <p>Scope 1, 2 and 3: For this GHG Report 2024, the base year emissions have been recalculated. Adjustments take into account changes in the company structure (e.g., mergers and acquisitions) as well as methodological refinements, such as updated emission factors. A notable methodological update concerns Scope 3.5: metal scraps are now classified as non-hazardous waste and are therefore included in this category.</p>                                                                                                                                                                                                                                                                                                                                                                                                                             |

### 3 Greenhouse gas emissions data

#### 3.1 Corporate Carbon Footprint 2024

| Scopes and categories                        | Metric tons CO2e | Percentage of emissions |                                  |         |
|----------------------------------------------|------------------|-------------------------|----------------------------------|---------|
| <b>Scope 1</b>                               |                  |                         |                                  |         |
| 1 Direct emissions stationary                | 104,658          | 3%                      |                                  |         |
| 2 Direct emissions mobile                    | 1,474            | 0%                      |                                  |         |
| <b>Scope 2, market-based</b>                 |                  |                         | <b>Scope 2, location-based</b>   |         |
| 1 Indirect emissions electricity             | 133,533          | 3%                      | 1 Indirect emissions electricity | 264,004 |
| <b>Upstream scope 3 emissions</b>            |                  |                         |                                  |         |
| 1 Purchased goods and services               | 2,136,776        | 56%                     |                                  |         |
| 2 Capital goods                              | 134,184          | 4%                      |                                  |         |
| 3 Fuel- and energy-related activities        | 50,122           | 1%                      |                                  |         |
| 4 Upstream transportation and distribution   | 44,543           | 1%                      |                                  |         |
| 5 Waste generated in operations              | 4,188            | 0%                      |                                  |         |
| 6 Business travel                            | 5,476            | 0%                      |                                  |         |
| 7 Employee commuting                         | 22,921           | 1%                      |                                  |         |
| 8 Upstream leased assets                     | 0                | 0%                      |                                  |         |
| <b>Downstream scope 3 emissions</b>          |                  |                         |                                  |         |
| 9 Downstream transportation and distribution | 217,834          | 6%                      |                                  |         |
| 10 Processing of sold products               | 221,246          | 6%                      |                                  |         |
| 11 Use of sold products: Direct use-phase    | 709,679          | 19%                     |                                  |         |
| 12 End-of-life treatment of sold products    | 17,957           | 0%                      |                                  |         |
| 13 Downstream leased assets                  | 0                | 0%                      |                                  |         |
| 14 Franchises                                | 0                | 0%                      |                                  |         |
| 15 Investments                               | 0                | 0%                      |                                  |         |
| <b>Total CO2e-emissions</b>                  |                  |                         |                                  |         |
|                                              | 3,804,589        |                         |                                  |         |
| Offsetting                                   |                  |                         |                                  |         |
|                                              | 0                | -0%                     |                                  |         |
| <b>Total CO2e-emissions after offsetting</b> |                  |                         |                                  |         |
|                                              | 3,804,589        |                         |                                  |         |

## 3.2 Progress of Corporate Carbon Footprint

| Scopes and categories                        | Metric tons CO2e<br>2024 | Metric tons CO2e<br>2019 (Base Year) | Progress    |
|----------------------------------------------|--------------------------|--------------------------------------|-------------|
| <b>Scope 1</b>                               |                          |                                      |             |
| 1 Direct emissions stationary                | 104,658                  | 109,111                              | -4%         |
| 2 Direct emissions mobile                    | 1,474                    | 3,200                                | -54%        |
| <b>Scope 2, market-based</b>                 |                          |                                      |             |
| 1 Indirect emissions electricity             | 133,533                  | 311,966                              | -57%        |
| <b>Scope 1&amp;2 emissions</b>               | <b>239,665</b>           | <b>424,277</b>                       | <b>-44%</b> |
| <b>Upstream scope 3 emissions</b>            |                          |                                      |             |
| 1 Purchased goods and services               | 2,136,776                | 2,423,652                            | -12%        |
| 2 Capital goods                              | 134,184                  | 91,068                               | +47%        |
| 3 Fuel- and energy-related activities        | 50,122                   | 46,767                               | +7%         |
| 4 Upstream transportation and distribution   | 44,543                   | 54,604                               | -18%        |
| 5 Waste generated in operations              | 4,188                    | 4,499                                | -7%         |
| 6 Business travel                            | 5,476                    | 16,785                               | -67%        |
| 7 Employee commuting                         | 22,921                   | 19,459                               | +18%        |
| 8 Upstream leased assets                     | 0                        | 0                                    | 0%          |
| <b>Scope 1-3 Upstream emissions</b>          | <b>2,637,873</b>         | <b>3,081,111</b>                     | <b>-14%</b> |
| <b>Downstream scope 3 emissions</b>          |                          |                                      |             |
| 9 Downstream transportation and distribution | 217,834                  | 224,560                              | -3%         |
| 10 Processing of sold products               | 221,246                  | 336,553                              | -34%        |
| 11 Use of sold products: Direct use-phase    | 709,679                  | 665,890                              | +7%         |
| 12 End-of-life treatment of sold products    | 17,957                   | 18,089                               | -1%         |
| 13 Downstream leased assets                  | 0                        | 0                                    | 0%          |
| 14 Franchises                                | 0                        | 0                                    | 0%          |
| 15 Investments                               | 0                        | 0                                    | 0%          |
| <b>Total CO2e-emissions</b>                  | <b>3,804,589</b>         | <b>4,326,202</b>                     | <b>-12%</b> |
| <b>Offsetting</b>                            |                          |                                      |             |
| Offsetting                                   | 0                        | 0                                    | 0%          |
| <b>Total CO2e-emissions after offsetting</b> | <b>3,804,589</b>         | <b>4,326,202</b>                     | <b>-12%</b> |

## 4 Science Based Targets

### 4.1 Target Definition

In April 2023 Mubea joined the Science Based Targets initiative (SBTi).



The SBTi is a partnership between CDP, the United Nations Global Compact, World Resources Institute (WRI), and the World Wide Fund for Nature (WWF). It has in recent years become one of the leading climate action frameworks in the corporate sector by providing companies a framework to align themselves with climate science and the goals set in the Paris Agreement.

Mubea is a member of the 1.5°C campaign and committed to the following 4 targets:

#### **Near-Term Targets (2030)**

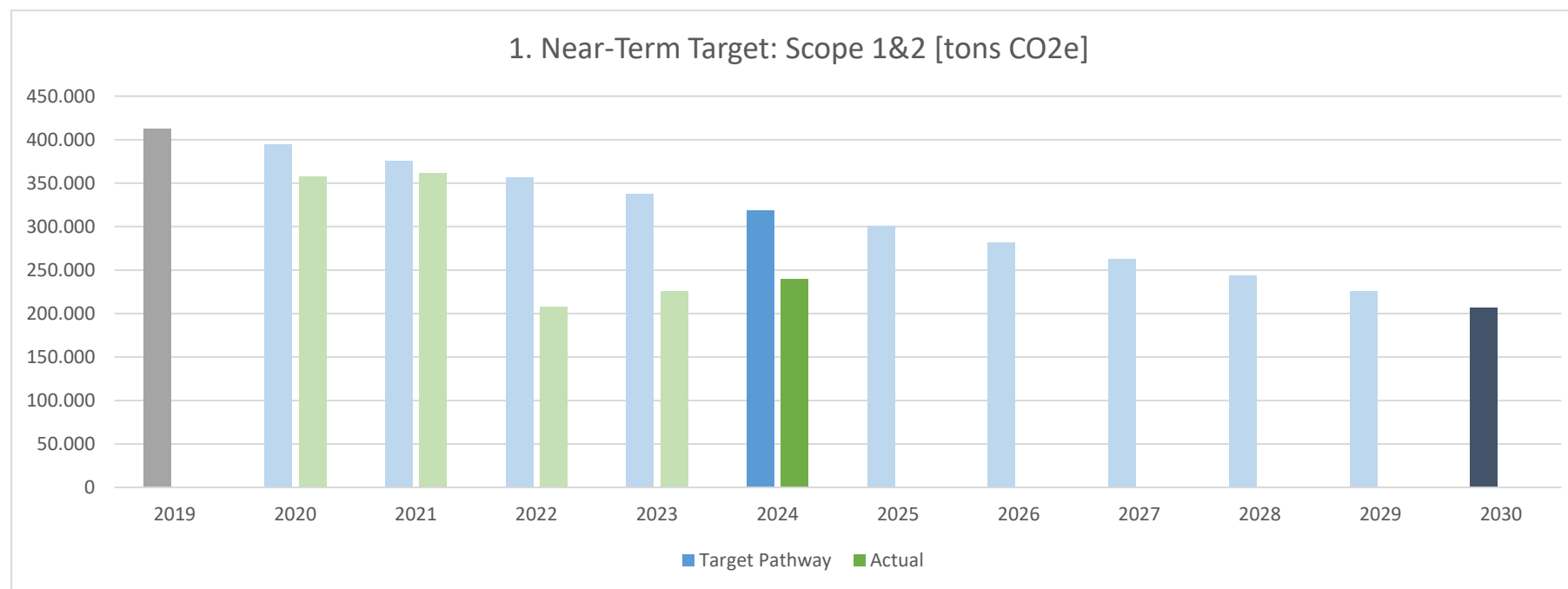
1. Muhr und Bender KG commits to reduce absolute scope 1 and 2 GHG emissions 50% by 2030 from a 2019 base year.
2. Muhr und Bender KG also commits to increase annual sourcing of renewable electricity from 2% in 2019 to 100% by 2030.
3. Muhr und Bender KG further commits to reduce scope 3 GHG emissions from purchased goods and services, capital goods, fuel and energy related activities, upstream transportation and distribution, waste generated in operations, business travel, employee commuting and upstream leased assets 57.5% per amount of procured raw materials within the same timeframe.

#### **Long-Term Target (2035)**

4. Muhr und Bender KG commits to reduce absolute scope 1, 2 and 3 GHG emissions 90% by 2035 from a 2019 base year.

## 4.2 Target Pathway

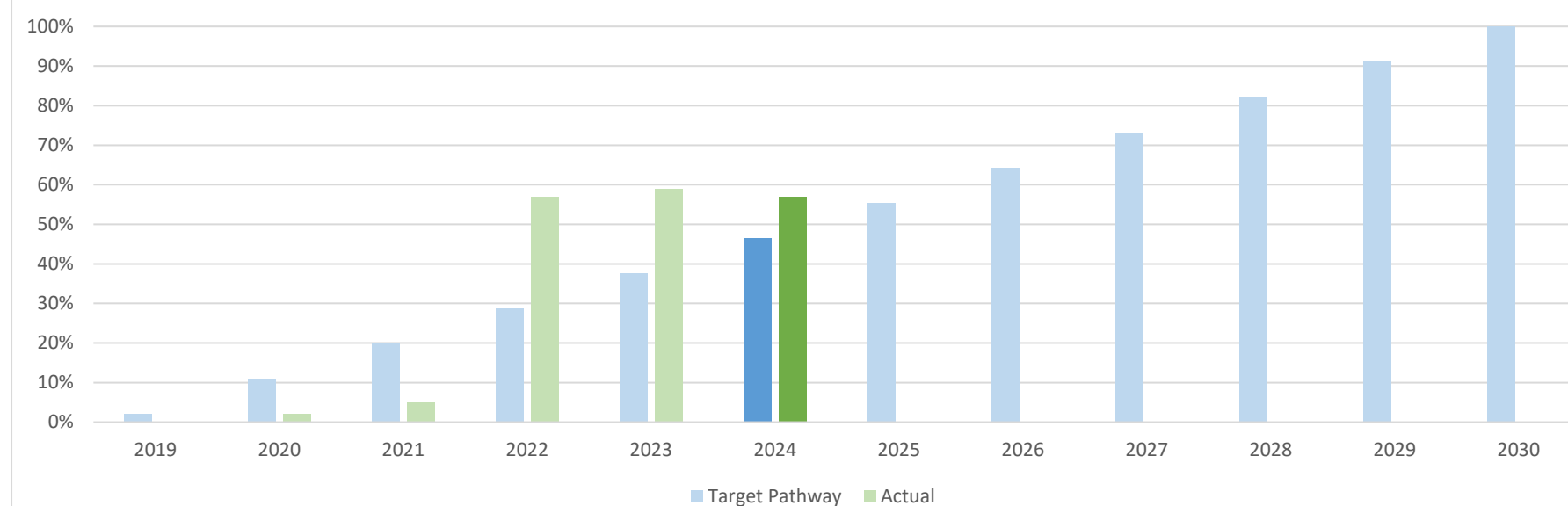
We review our climate target performance by mapping a linear pathway from the base year to our near-term target years.



| Scopes and categories            | Metric tons CO2e<br>2019 (Base Year) | Metric tons CO2e<br>Pathway 2024 | Metric tons CO2e<br>Actual 2024 | Metric tons CO2e<br>1. Target 2030 |
|----------------------------------|--------------------------------------|----------------------------------|---------------------------------|------------------------------------|
| Scope 1                          |                                      |                                  |                                 |                                    |
| 1 Direct emissions stationary    | 109,111                              |                                  | 104,658                         |                                    |
| 2 Direct emissions mobile        | 3,200                                |                                  | 1,474                           |                                    |
| Scope 2, market-based            |                                      |                                  |                                 |                                    |
| 1 Indirect emissions electricity | 311,966                              |                                  | 133,533                         |                                    |
| Scope 1&2 emissions              | 424,277                              | 318,858                          | 239,665                         | 206,320                            |

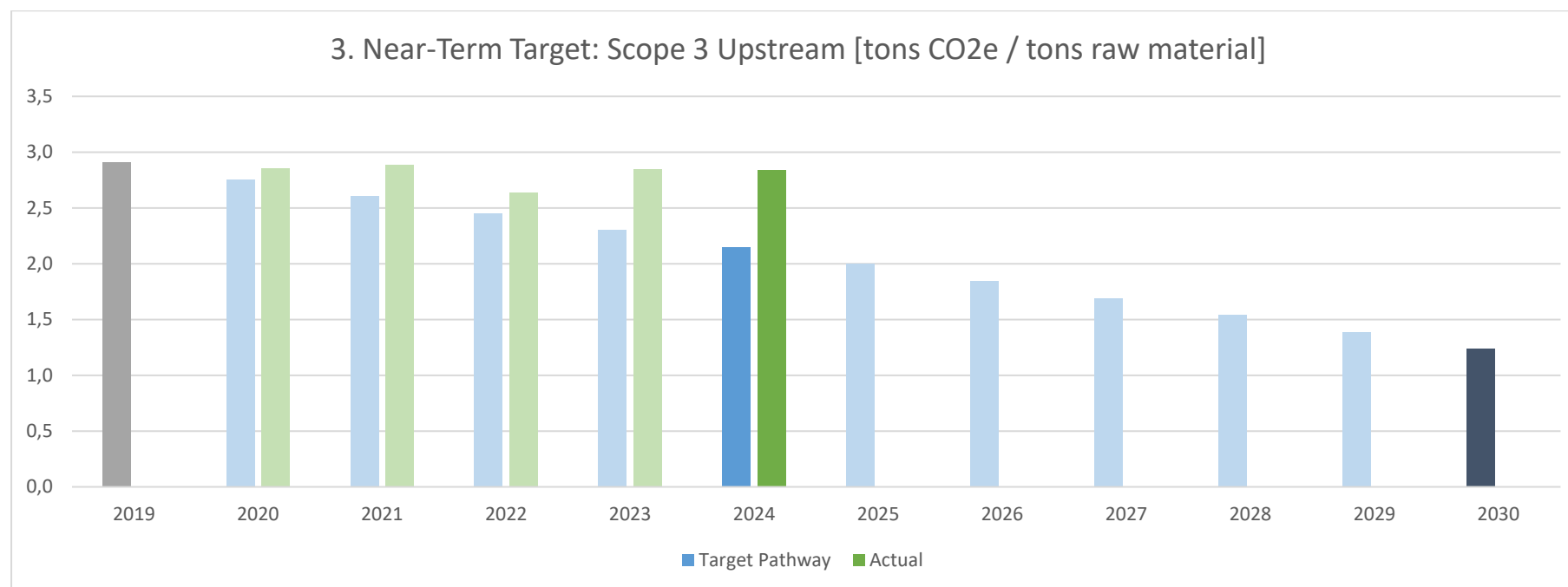
In 2024, Mubea surpassed its linear pathway target of 318,858 tons of Scope 1 & 2 CO<sub>2</sub>e emissions for the fifth consecutive year, recording a total of 239,665 tons. Although there was a slight increase, mainly due to company growth in regions without green electricity procurement, we remain well below our linear pathway target. We expect to raise the share of green electricity to nearly 100% next year, roughly halving our Scope 1 & 2 emissions. This measure should be sufficient to achieve our first near-term target.

## 2. Near-Term Target: Renewable electricity



| Scopes and categories                    | Share<br>2019 (Base Year) | Share<br>Pathway 2024 | Share<br>Actual 2024 | Share<br>2. Target 2030 |
|------------------------------------------|---------------------------|-----------------------|----------------------|-------------------------|
| <b>Scope 2, market based</b>             |                           |                       |                      |                         |
| Annual sourcing of renewable electricity | 2%                        | 47%                   | 56%                  | 100%                    |

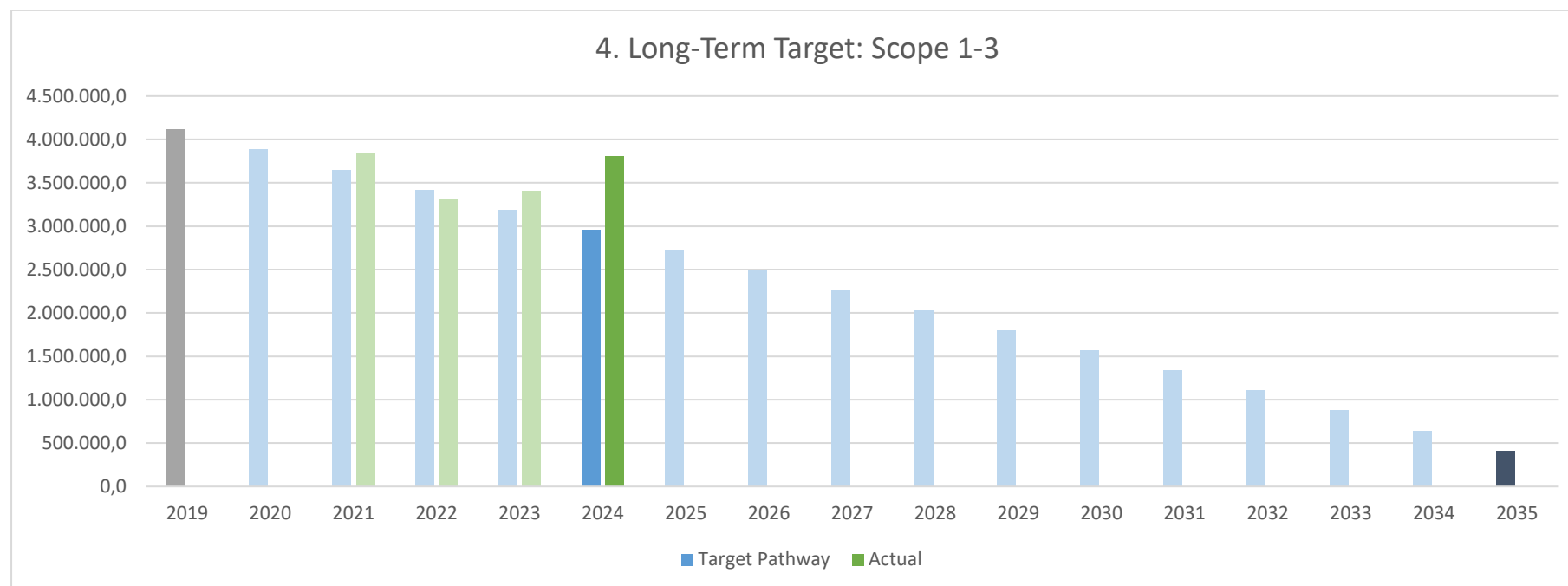
In 2024 we continued to secure renewable electricity for our existing green power locations. At the same time, company growth led to the addition of further sites that are not yet directly supplied with renewable electricity. As a result, the overall share of renewable electricity in total consumption reached 56%. We continue to meet and even surpass our SBTi target for the 3<sup>rd</sup> consecutive year, ensuring alignment with our near-term pathway.



| Scopes and categories                      | CO <sub>2</sub> e / tRaw material<br>2019 (Base Year) | CO <sub>2</sub> e / tRaw material<br>Pathway 2024 | CO <sub>2</sub> e / tRaw material<br>Actual 2024 | CO <sub>2</sub> e / tRaw material<br>3. Target 2030 |
|--------------------------------------------|-------------------------------------------------------|---------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| 1 Purchased goods and services             | 2.82                                                  |                                                   | 2.53                                             |                                                     |
| 2 Capital goods                            | 0.11                                                  |                                                   | 0.16                                             |                                                     |
| 3 Fuel- and energy-related activities      | 0.05                                                  |                                                   | 0.06                                             |                                                     |
| 4 Upstream transportation and distribution | 0.06                                                  |                                                   | 0.05                                             |                                                     |
| 5 Waste generated in operations            | 0.01                                                  |                                                   | 0.00                                             |                                                     |
| 6 Business travel                          | 0.02                                                  |                                                   | 0.01                                             |                                                     |
| 7 Employee commuting                       | 0.02                                                  |                                                   | 0.03                                             |                                                     |
| 8 Upstream leased assets                   | 0.00                                                  |                                                   | 0.00                                             |                                                     |
| <b>Scope 3 Upstream emissions</b>          | <b>3.09</b>                                           | <b>2.15</b>                                       | <b>2.84</b>                                      | <b>1.24</b>                                         |

Our 3. Near-term target is the reduction of Scope 3 Upstream GHG emissions per purchased ton of raw materials. We settled for an intensity climate target due to the ambitious company growth targets combined with the technological challenges to decarbonize processes through the supply chain.

In 2024 we did not reach the linear pathway target of 2.15 tons of CO<sub>2</sub>e emissions per purchased ton of raw materials with a value of 2.84. We are dependent on our customers sourcing green steel, which remains challenging as alternative, as less sustainable steel options are often more cost-attractive.



| Scopes and categories             | Metric tons CO <sub>2</sub> e<br>2019 (Base Year) | Metric tons CO <sub>2</sub> e<br>Pathway 2024 | Metric tons CO <sub>2</sub> e<br>Actual 2024 | Metric tons CO <sub>2</sub> e<br>4. Target 2035 |
|-----------------------------------|---------------------------------------------------|-----------------------------------------------|----------------------------------------------|-------------------------------------------------|
| Total CO <sub>2</sub> e-emissions | 4,326,202                                         | 2,956,776                                     | 3,804,589                                    | 411,378                                         |

We started monitoring all GHG emissions (including Scope 3 Downstream emissions) in 2021 and recalculated the values for our base year 2019. In 2024, we did not achieve our linear pathway target of 2,956,776 tons of CO<sub>2</sub>e emissions, reaching a total of 3,804,589 tons of CO<sub>2</sub>e emissions. A big portion of the challenge of decarbonizing the supply chain is related to the larger amounts of aluminum that were used to manufacture parts for aerostructures. Furthermore, purchased valve spring wire and stabilizer bar wire increased our Scope 3.1 emissions. Accordingly, our emissions for scrap material were also increased, due to being accounted unlike in previous years.

Although we are experiencing a slight delay in achieving our targets, we remain committed to our strategy of reducing emissions in our supply chain with a focus on low carbon steel. Scope 3 Downstream emissions will naturally decrease as electric vehicle adoption increases, which leaves reducing Scope 3 Upstream emissions the biggest remaining challenge.

## 5 Biogenic carbon emissions

Not applicable to Mubea.

## 6 Description of methodologies and data used

| Information on methodologies and data used                                                                                                                           | Description of the types and sources of data used to calculate emissions                                                                                                                                                                                                                                                | Description of the methodologies, allocation methods, and assumptions used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Scope 1 emissions</b>                                                                                                                                             |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Category 1</b><br><u><b>Direct emissions stationary</b></u>                                                                                                       | <b>Activity data (primary data):</b><br>The consumption of natural gas is tracked and reported by each plant of the Mubea group and aggregated.<br><b>Emissions factors (secondary data):</b><br>Emission factor for gas is reported by each plant of the Mubea group based on the information from their gas provider. | The direct GHG emissions of consumption of natural gas were calculated by multiplying each plants consumption by their gas emission factor provided by their supplier.<br><br>We include an uncertainty of +1% due to locations without energy reporting (<50 employees and without an environmental management system on site). These locations are office buildings for sales & development as well as small warehouses.<br>According to HR reporting, 1% employees fall under this category. We therefore assume, that approximately 1% of our Scope 1&2 emissions are not recorded by the energy department and need to be calculated in addition. |
| <b>Description of the data quality of reported emissions*</b><br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                         | Very Good<br>100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Category 2</b><br><u><b>Direct emissions mobile</b></u>                                                                                                           | <b>Activity data (primary data):</b><br>The consumption of fuel for company cars, forklifts, etc. was calculated based on refueling bills for the Mubea group.<br><b>Emissions factors (secondary data):</b><br>Emission factors for fuels from the German emission trading authority (DEHSt).                          | The GHG emissions of direct emissions mobile are reported by each Mubea plant. The sum is multiplied with the emission factor for fuels.<br><br>We include an uncertainty of +1% due to locations without energy reporting (<50 employees and without an environmental management system on site). These locations are office buildings for sales & development as well as small warehouses.                                                                                                                                                                                                                                                           |

| Information on methodologies and data used                                                                                                                    | Description of the types and sources of data used to calculate emissions                                                                                                                                                                                                                             | Description of the methodologies, allocation methods, and assumptions used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                               |                                                                                                                                                                                                                                                                                                      | According to HR reporting, 1% employees fall under this category. We therefore assume, that approximately 1% of our Scope 1&2 emissions are not recorded by the energy department and need to be calculated in addition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                      | Good<br>0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Scope 2 emissions, location-based</b>                                                                                                                      |                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Category 1</b><br><u>Indirect emissions electricity</u>                                                                                                    | <b>Activity data (primary data):</b><br>The consumption of electricity is reported by each plant of the Mubea group.<br><b>Emissions factors (secondary data):</b><br>Emission factors for electricity were taken from the German emission trading authority (DEHSt) for each country of the plants. | The indirect GHG emissions of consumption of electricity were calculated by multiplying each plants consumption by the location-based emission factors from the DEHSt.<br><br>We include an uncertainty of +1% due to locations without energy reporting (<50 employees and without an environmental management system on site). These locations are office buildings for sales & development as well as small warehouses.<br>According to HR reporting, 1% employees fall under this category. We therefore assume, that approximately 1% of our Scope 1&2 emissions are not recorded by the energy department and need to be calculated in addition.<br><br>GHG Scope 2 emissions location-based were calculated for reference, but not included into the total sum of emissions as market-based Scope 2 emissions are more accurate. |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                      | Very Good<br>0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Scope 2 emissions, market-based</b>                                                                                                                        |                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Category 1</b><br><u>Indirect emissions electricity</u>                                                                                                    | <b>Activity data (primary data):</b><br>The consumption of electricity is reported by each plant of the Mubea group.<br><b>Emissions factors (secondary data):</b><br>Emission factors for electricity were provided by suppliers (market-based). In case of missing feedback, the location-         | The indirect GHG emissions of consumption of electricity were calculated by multiplying each plants consumption by the emission factors from their electricity suppliers if provided (85% market-based).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Information on methodologies and data used                                                                                                                    | Description of the types and sources of data used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                       | Description of the methodologies, allocation methods, and assumptions used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                               | based emission factor was taken from the German emission trading authority (DEHSt) for each country of the plants.                                                                                                                                                                                                                                                                                                                                                                                             | We include an uncertainty of +1% due to locations without energy reporting (<50 employees and without an environmental management system on site). These locations are office buildings for sales & development as well as small warehouses.<br>According to HR reporting, 1% employees fall under this category. We therefore assume, that approximately 1% of our Scope 1&2 emissions are not recorded by the energy department and need to be calculated in addition.                                                                                                                                                               |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Very Good<br>85%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b><u>Annual sourcing of renewable electricity</u></b>                                                                                                        | <b>Activity data (primary data):</b><br>The consumption of electricity is reported by each plant of the Mubea group.<br><b>Renewable factors (secondary data):</b><br>Renewable factors for electricity were provided by the central energy department, which coordinates purchases and building of renewable energy.                                                                                                                                                                                          | The share of annual sourcing of renewable electricity is calculated by the total electric energy consumption in sites covered by self-generated or purchased renewable energy divided by the total consumption of electric energy.<br><br>We consider under renewable energy sources only water, wind and solar powered plants (not nuclear power).                                                                                                                                                                                                                                                                                    |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Very Good<br>100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Upstream scope 3 emissions</b>                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b><u>Category 1 Purchased goods and services</u></b>                                                                                                         | <b>Activity data (primary data):</b><br>Weights of raw material and purchased components.<br>Monetary purchase volume of other purchased components and services. Both tracked and recorded by purchasing department.<br><b>Emissions factors (secondary data):</b><br>Cradle to gate data for steel-based materials provided by suppliers – if available – provided or compared to other secondary databases/studies and verified as much as possible from Mubea Corporate Research & Engineering department. | The GHG emissions of our procured raw materials and precursor manufacturing at Mubeas' suppliers' facilities was evaluated by calculating the cradle-to-gate emissions, including all direct GHG emissions from raw material extraction, precursor manufacturing and transport, as well as indirect emissions from energy use. To do so, we determined the quantity of each product group purchased and then applied emission factors for the purchased products (by weight). We multiplied the CO2e emissions per kilogram of each product by the respective quantity of the product purchased to determine cradle-to-gate emissions. |

| Information on methodologies and data used                                                                                                                                  | Description of the types and sources of data used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Description of the methodologies, allocation methods, and assumptions used to calculate emissions                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                             | <p>Cradle to gate data for non-steel purchased raw materials from German government: Bundesamt für Wirtschaft und Ausfuhrkontrolle, Informationsblatt CO2-Faktoren, 2024.</p> <p>Supply chain emission factors for spending on other goods/components and services were obtained from the Quantis Scope 3 Evaluator, a free scope 3 screening tool developed in cooperation with GHG Protocol and suggested by the Science Based Targets Initiative. According to their documentation of methodologies, for any purchase types identified by the user as Standard Good or Service, the sector of purchase chosen by the user is linked to a 2009 world multiregional estimate of average environmental impacts by region-sector combined with global warming potential impact assessment (Timmer 2012, IPCC 2007).</p>                                                                                                     | <p>The GHG emissions from technical goods and services were assessed based on the monetary purchasing volume in the reporting year by multiplying the amount of spending by the GHG conversion factors from Quantis Scope 3 Evaluator.</p>                                                                                                                                                         |
| <b>Description of the data quality of reported emissions*</b><br><b>Percentage of emissions calculated using data obtained from suppliers or other value chain partners</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Good<br>0%                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Category 2</b><br><b><u>Capital goods</u></b>                                                                                                                            | <p><b>Activity data (primary data):</b><br/>           Monetary purchasing volumes of capital goods purchased in the reporting year were obtained from Mubeas's internal business data management systems.</p> <p><b>Emissions factors (secondary data):</b><br/>           Supply chain emission factors for spending on capital goods were obtained from the Quantis Scope 3 Evaluator, a free scope 3 screening tool developed in cooperation with GHG Protocol and suggested by the Science Based Targets Initiative. Acc. to their documentation of methodologies, for any purchase types identified by the user as Capital Good (regardless of Direct Procurement or Indirect Procurement), the identified sector of purchase points to a 2009 world multiregional estimate of average environmental impacts by region-sector combined with global warming potential impact assessment (Timmer 2012, IPCC 2007).</p> | <p>The GHG emissions that are associated with Mubea's capital goods were estimated based on technical procurement and building management spending. Each sub-segment was assigned a corresponding conversion factors for greenhouse gas emissions based on the Quantis Scope 3 Evaluator. The amount of spending was then subsequently added up to the total GHG emissions from capital goods.</p> |

| Information on methodologies and data used                                                                                                                    | Description of the types and sources of data used to calculate emissions                                                                                                                                                                                                                                                                           | Description of the methodologies, allocation methods, and assumptions used to calculate emissions                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                    | Good<br>0%                                                                                                                                                                                                                                                                                                                                                              |
| <b>Category 3</b><br><b><u>Fuel- and energy-related activities (not included in scope 1 or scope 2)</u></b>                                                   | <b>Activity data (primary data):</b><br>The quantities of fuel and energy (electricity and gas) purchased in the reporting year were obtained from Mubea's MEEP reporting.<br><b>Emissions factors (secondary data):</b><br>The emissions factors were obtained from UK Government GHG Conversion Factors for Company Reporting, 2024.             | The GHG emissions of extraction, refining and transportation were calculated from the consumption of electricity and natural gas per Mubea plant multiplied by the DEFRA 2024 Well-to-tank (WTT) conversion factors. Average factors used. For our gas emissions it is fuels – natural gas. For electricity the sum of generation and T&D as suggested by the standard. |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                    | Good<br>0%                                                                                                                                                                                                                                                                                                                                                              |
| <b>Category 4</b><br><b><u>Upstream transportation and distribution</u></b>                                                                                   | <b>Activity data (primary data):</b><br>Movement data were tracked per carrier, tonnage, distance and quantities through Mubea' transport desk.<br><b>Emissions factors (secondary data):</b><br>The emissions factors were obtained from UK Government GHG Conversion Factors for Company Reporting, 2024.                                        | The GHG emissions associated with the upstream transportation and distribution were calculated by movement data of all Mubea paid transports. The tonnage mileage per carrier was multiplied with the DEFRA 2024 emission factors Freightng goods for each type of transportation. Air transportation emissions factor includes the RF effects.                         |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                    | Good<br>0%                                                                                                                                                                                                                                                                                                                                                              |
| <b>Category 5</b><br><b><u>Waste generated in operations</u></b>                                                                                              | <b>Activity data (primary data):</b><br>The quantities of waste and wastewater generated during production at Mubea production sites were obtained from the in-house KPI-EE Reporting.<br><b>Emissions factors (secondary data):</b><br>The emissions factors were obtained from UK Government GHG Conversion Factors for Company Reporting, 2024. | The GHG emissions were calculated from the volumes for water supply, wastewater, dangerous and non-dangerous waste of the Mubea production plants as reported monthly. They were then multiplied with the DEFRA 2024 Water supply, Water treatment and Waste disposal emission factors. Waste disposal emissions factors are type Combustion.                           |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                    | Good<br>40%                                                                                                                                                                                                                                                                                                                                                             |
| <b>Category 6</b><br><b><u>Business travel</u></b>                                                                                                            | <b>Activity data (primary data):</b><br>Travel data were tracked per air travel distance (differentiated between flight classes) and car travel distance.<br><b>Emissions factors (secondary data):</b>                                                                                                                                            | The GHG emissions associated with the business travel were calculated by human resource reporting, where available. For other air travel our data differentiated between economy, premium economy and business classes. Furthermore, travel distances a grouped for in-country, continental and inter-                                                                  |

| Information on methodologies and data used                                                                                                                    | Description of the types and sources of data used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Description of the methodologies, allocation methods, and assumptions used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                               | The emissions factors were obtained from UK Government GHG Conversion Factors for Company Reporting, 2024.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | continental travels. The resulting sum of total flight kilometers for each category is then multiplied by their respective DEFRA 2024 business travel – air factors (including RF effects). For car travel the total distance is multiplied with the DEFRA 2024 business travel – land factor.                                                                                                                                                                                                                                                                                                                                                                                                      |
| Description of the data quality of reported emissions<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Good<br>0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Category 7</b><br><b><u>Employee commuting</u></b>                                                                                                         | <b>Activity data (primary data):</b><br>Number of employees per region and per workforce category (direct and indirect labor), average commuting distance, number of work days per region and average rate of attendance at work (difference to mobile working) was used. Numbers are provided by human resources department.<br><b>Emission factors (secondary data):</b><br>Region specific CO2e emissions factors transportation were taken from UK Government GHG Conversion Factors for Company Reporting, 2024.<br>Validity check with benchmark data from other companies broken down per employee. | GHG emissions from employee commuting were separated between the 4 major Mubea regions: Europa, Asia, North America (NA) and South America (SA) due to their different total number of work days.<br>We also evaluated direct and indirect employees differently, as home office is only available for indirect employees.<br>Total number of employees per region was then multiplied with the average commuting distance to work, the number of work days in a year and the rate of attendance. The calculation expresses the total distance travelled by all employees from a region in the year. These total distances were then multiplied by the DEFRA CO2e emissions factors transportation. |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fair<br>0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Category 8</b><br><b><u>Upstream leased assets</u></b>                                                                                                     | Mubea does not have leased assets.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Very Good<br>0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Downstream scope 3 emissions</b>                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Category 9</b><br><b><u>Downstream transportation and distribution</u></b>                                                                                 | <b>Activity data (primary data):</b><br>Weights of raw material and purchased components, tracked and recorded by purchasing department.<br><b>Emission factors (secondary data):</b><br>Emission factors for Downstream transportation and distribution were derived from the Nonfinancial Report of the                                                                                                                                                                                                                                                                                                  | GHG emissions from Downstream transportation and distribution were calculated by the tonnage of procured raw materials (as a substitute for delivery amount) multiplied with the total GHG emission factor for Up-and Downstream transportation and distribution minus our Upstream transportation and distribution GHG emissions factor.                                                                                                                                                                                                                                                                                                                                                           |

| Information on methodologies and data used                                                                                                                    | Description of the types and sources of data used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Description of the methodologies, allocation methods, and assumptions used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                               | Volkswagen Group, 2024 – representative for our customer activities as our biggest partner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Fortunately, the Volkswagen Group reported the GHG emission factor per vehicle for all Up- and Downstream transportation and distribution. By dividing this emission factor with the average weight of a vehicle, we get the GHG emissions factor per kg weight.                                                                                                                                                                                                                                                                                                 |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Fair<br>100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Category 10</b><br><b><u>Processing of sold products</u></b>                                                                                               | <b>Activity data (primary data):</b><br>Weights of raw material and purchased components, tracked and recorded by purchasing department.<br><b>Emission factors (secondary data):</b><br>Emission factors for processing of sold products were derived from the Nonfinancial Report of the Volkswagen Group, 2024 – representative for our customer activities as our biggest partner.                                                                                                                                                                                                                                                                                                                                          | GHG emissions from further processing of our sold products were calculated by the tonnage of procured raw materials (as a substitute for delivery amount) multiplied with the average GHG emission factor from customers for finishing (e.g. assembly) of parts into a vehicle in relation to its weight. Customers – like Volkswagen Group – report their amount of Scope 1 & 2 emissions per vehicle. By dividing this emission factor with the average weight of a vehicle, we get the GHG emissions factors of our customers processing steps per kg weight. |
| Description of the data quality of reported emissions*<br>Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Fair<br>100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Category 11</b><br><b><u>Use of sold product:</u></b>                                                                                                      | <b>Activity data (primary data):</b><br>Weights of drivetrain products sold to customers tracked and recorded by the project management & sales department of the business units.<br>Drivetrain products consists of: belt tensioners, tubular shafts, transmission disc springs, separating springs and valve springs. We separated the weights in 5 vehicle types: Diesel/Petrol passenger vehicles, Hybrid passenger vehicles, Plug-In Hybrid Electric vehicles, Electric vehicles and Vans.<br><b>Emission factors (secondary data):</b><br>The emissions factors for the average emissions of the 5 listed vehicle types during their use-phases per kilometer were obtained from UK Government GHG Conversion Factors for | GHG emissions during use phase of sold products were calculated by the total tonnage of sold drivetrain products per vehicle category multiplied with the average GHG emission factor of a vehicle type in relation to its weight. In order to calculate the average GHG emission factor of a vehicle per mass, we multiplied the emissions factors of vehicles during their use phases per kilometer with the total driving distances divided with the average weight of a vehicle.                                                                             |

| Information on methodologies and data used                                                                                                                                  | Description of the types and sources of data used to calculate emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Description of the methodologies, allocation methods, and assumptions used to calculate emissions                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                             | <p>Company Reporting, 2024.</p> <p>The average total driving distance of a vehicle during its life cycle and the average weight of a vehicle were obtained from the Kraftfahrt-Bundesamt, 2024.</p> <p>The resulted emission factor was validated against</p> <ol style="list-style-type: none"> <li>1. External studies about weight effect on fuel consumptions</li> <li>2. Information derived from Nonfinancial Report of the Volkswagen Group, 2024 – representative for our customer activities as our biggest partner.</li> </ol> <p>Both alternative approaches resulted in similar/ a little lower emission factors. We therefore settled for the highest/least favorable emission factors.</p> |                                                                                                                                                                                                                                      |
| <b>Description of the data quality of reported emissions*</b><br><b>Percentage of emissions calculated using data obtained from suppliers or other value chain partners</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Good<br>100%                                                                                                                                                                                                                         |
| <b>Category 12</b><br><b><u>End-of-life treatment of sold products</u></b>                                                                                                  | <b>Activity data (primary data):</b><br>Weights of raw material and purchased components, tracked and recorded by purchasing department.<br><b>Emission factors (secondary data):</b><br>The emissions factors were obtained from UK Government GHG Conversion Factors for Company Reporting, 2024.                                                                                                                                                                                                                                                                                                                                                                                                      | The GHG emissions end-of-life treatment of our products were calculated by the tonnage of procured raw materials (as a substitute for delivery amount) multiplied with the disposal or closed-loop factors for respective materials. |
| <b>Description of the data quality of reported emissions*</b><br><b>Percentage of emissions calculated using data obtained from suppliers or other value chain partners</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Fair<br>0%                                                                                                                                                                                                                           |
| <b>Category 13</b><br><b><u>Downstream leased assets</u></b>                                                                                                                | Mubea does not have downstream leased assets.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                      |
| <b>Description of the data quality of reported emissions*</b><br><b>Percentage of emissions calculated using data obtained from suppliers or other value chain partners</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Very Good<br>0%                                                                                                                                                                                                                      |
| <b>Category 14</b><br><b><u>Franchises</u></b>                                                                                                                              | Mubea does not own or operate franchises.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                      |
| <b>Description of the data quality of reported emissions*</b><br><b>Percentage of emissions calculated using data obtained from suppliers or other value chain partners</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Very Good<br>0%                                                                                                                                                                                                                      |
| <b>Category 15</b>                                                                                                                                                          | Mubea does have investments not considered in other scopes of GHG emissions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                      |

| Information on methodologies and data used                                                          | Description of the types and sources of data used to calculate emissions | Description of the methodologies, allocation methods, and assumptions used to calculate emissions |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Investments</b>                                                                                  |                                                                          |                                                                                                   |
| Description of the data quality of reported emissions*                                              |                                                                          | Very Good                                                                                         |
| Percentage of emissions calculated using data obtained from suppliers or other value chain partners |                                                                          | 0%                                                                                                |

## 7 Appendix

### A. Evaluation of the data quality indicators

| Score            | <i>Representativeness to the activity in terms of:</i>  |                                                                               |                                   |                                                                                                                                                                    |                                                                                                  |
|------------------|---------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                  | <i>Technology</i>                                       | <i>Time</i>                                                                   | <i>Geography</i>                  | <i>Completeness</i>                                                                                                                                                | <i>Reliability</i>                                                                               |
| <b>Very good</b> | Data generated using the same technology                | Data with less than 3 years of difference                                     | Data from the same area           | Data from all relevant sites over an adequate time period to even out normal fluctuations                                                                          | Verified <sup>3</sup> data based on measurements <sup>4</sup>                                    |
| <b>Good</b>      | Data generated using a similar but different technology | Data with less than 6 years of difference                                     | Data from a similar area          | Data from more than 50 percent of sites for an adequate time period to even out normal fluctuations                                                                | Verified data partly based on assumptions or non-verified data based on measurements             |
| <b>Fair</b>      | Data generated using a different technology             | Data with less than 10 years of difference                                    | Data from a different area        | Data from less than 50 percent of sites for an adequate time period to even out normal fluctuations or more than 50 percent of sites but for a shorter time period | Non-verified data partly based on assumptions, or a qualified estimate (e.g. by a sector expert) |
| <b>Poor</b>      | Data where technology is unknown                        | Data with more than 10 years of difference or the age of the data are unknown | Data from an area that is unknown | Data from less than 50 percent of sites for shorter time period or representativeness is unknown                                                                   | Non-qualified estimate                                                                           |