



**2022**

# Executive Summary of Carbon Footprint



**AYRTON**

**Ayrton is committed, at an organizational level, to continually improve how we approach sustainability.**

In September 2023, we completed our 2022 Carbon Footprint Accounting, led by carbon management platform Greenly.

The assessment scope covers all emissions under operational control (Scope 1, 2 & 3), aligning with ADEME & GHG Protocol methodologies.



## General Overview



**63k tCO<sub>2e</sub>**

Ayrton's total carbon emissions in 2022

**6.1%**

Freight emissions of total emission

**75.2%**

Use of Product Sold stands as the most significant carbon impact category, generated by energy consumption of our products in the usage phase

**17.3%**

Product Purchase accounts for the second largest share, which covers the embodied carbon of purchased products



# Carbon Footprint by Category

105 tCO<sub>2e</sub>

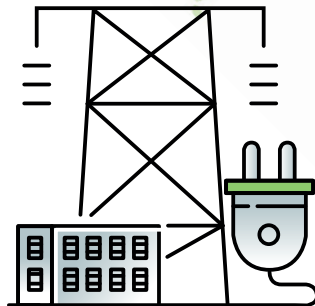
Emissions from natural gas, car fuels, refrigerant leakage, other fuels



**SCOPE 1**

23 tCO<sub>2e</sub>

Emissions from purchased electricity



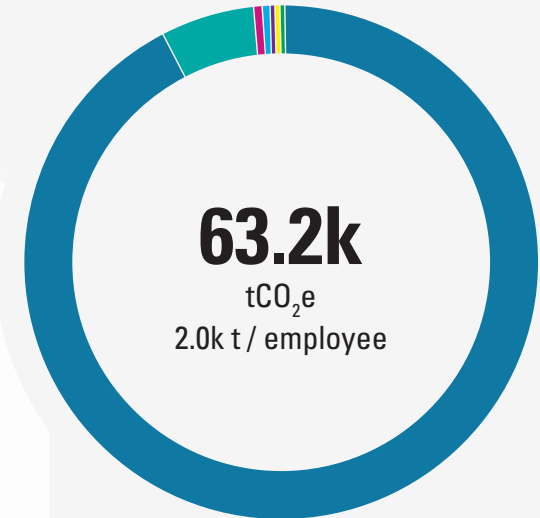
**SCOPE 2**

63k tCO<sub>2e</sub>

Value chain emissions, top categories include: purchased good and services, use of sold products, upstream and downstream transportation and distribution



**SCOPE 3**



- **92.4%** Product
- **6.1%** Freight
- **0.4%** Services purchase
- **0.4%** Travel and Commute
- **0.3%** Assets
- **0.2%** Energy
- **0.2%** Other



# Data Quality and Evolution

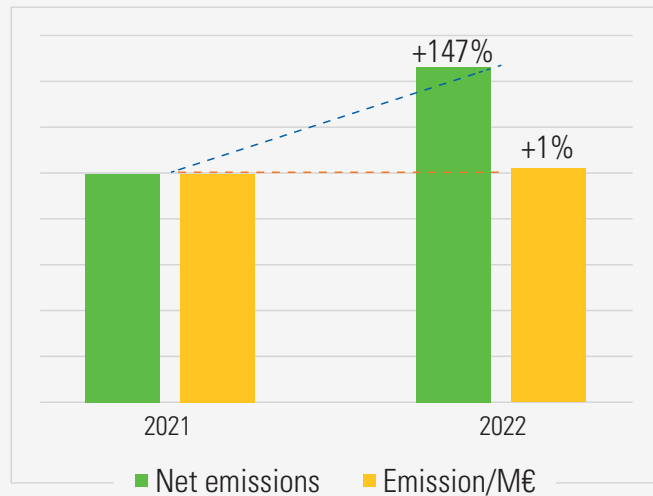
1 Activity-based data: 98.9%



## Data Quality

➤ Carbon Accounting using activity-based data can have more accurate results than expense-based data

2 Expense-based data (higher uncertainty): 1.1%



## In comparison with 2021

➤ From 2021 to 2022, net emission increased by 38k tCO<sub>2e</sub>, equivalent to 147%, but emission per revenue only increased by 1%

## NEXT STEPS

- **Continue yearly carbon accounting** with a standard process
- **Conduct Life Cycle Assessment** of our products, studying key emission sources in greater depth
- **Raise awareness of our colleagues** through workshops and engaging quizzes
- **Engage our supplier** in China in carbon accounting and management

**For inquiries about the complete 2022 Carbon Accounting Report or detailed methodology from Ayrton, please reach out to [gogreen@ayrton.eu](mailto:gogreen@ayrton.eu).**

Additionally, we welcome any suggestions for further improvement at the same email address.

We will keep you informed about our progress!



**AYRTON**