

Rype Office SME Climate Hub Submission 2024

Reporting period: Jan 2024 to Dec 2024

Rype Office provides a full Circular Economy solution to office furniture, capturing otherwise wasted value, saving clients money, carbon emissions & waste.

Rype's solution includes:

- **Inventories:** Rype's market-leading software uses AI to instantly create digital product passports and inventories.
- **Multi-life management:** Using Rype's inventory software, clients can instruct repairs, refurbishment, remanufacturing, moves, storage, clearances and re-homing at the touch of a button. Rype also creates furniture potential reports to show designers how existing furniture can be transformed through remanufacturing – for inclusion in their designs for new offices instead of new furniture.
- **Furniture supply:** Rype remanufactures furniture (from clients' existing sites or from clearances) to as-new condition and creates furniture from post-consumer waste, like yoghurt pots.
- **Remanufacturing:** Rype's remanufacturing service brings furniture back to as-new condition.
- **Clearance & Re-homing:** Instead of sending furniture to landfill, Rype re-homes items via its recommerce marketplace of 30,000 charities, schools, SMEs and budget conscious buyers. Inventoried furniture items can be placed on the marketplace at the touch of a button.
- **Integrated shipping:** Rype's software enables automated shipping – eliminating the hassle of logistics management.
- **Reporting:** Rype's software automatically provides full traceability and sustainability reporting for clients.

Background

Office furniture is the largest source of carbon emissions in the lifetime of a commercial building; remanufacturing reduces the embodied carbon by 80%. 300 tonnes of office furniture go to landfill every working day in the UK; remanufacturing diverts this furniture from landfill.

To date, Rype has saved clients £50 million, avoided over 30 million kgCO₂e, saved more than 8 million kg of waste and created over 8,000 hours of employment for long term unemployed people with disabilities.

Company Information

Rype is based in High Wycombe on one 1435 sqm building, using only renewable electricity.

In 2024 we had 19 employees.

Our short and transparent supply chain is UK based.

Our customers are nationwide across the UK.

Targets

On a base tear of 2022, we aim to reduce scope 1 and 2 emissions by 50% by 2030. Net zero target year of 2050

Emissions Reporting

Rype Office has been part of the SME Climate Hub since 2022, in that time we have reported our scope 1 and 2 emissions using the free calculator.

For 2024 onwards we will be using the UK Government Greenhouse Gas Reporting conversion factors to monitor and report our emissions.

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2024>

Year	Scope 1 Metric tonnes CO2e	Scope 2 Metric tonnes CO2e	Calculation method
2022	26.6	15.6	Normative calculator via SME Climate Hub
2023	18	0 ¹	Normative calculator via SME Climate Hub
2024	6.8	7.7 ²	UK Government Greenhouse Gas Reporting conversion factors

¹ As advised by Normative based on Rype's use of 100% renewable electricity

² Value based on KWH use of electricity using the UK Government Greenhouse Gas Reporting conversion factor.

Scope 1 emissions are from our own vehicles; our ambition is to transition to electric powered vehicles once they are economically viable and offer sufficient range. We expect developments in electric vehicle technology by 2030 will enable this shift.

Scope 2 emissions - we only use renewable electricity; we have already upgraded our lighting and heating to more efficient equipment. We will continue to work on reducing our electricity consumption wherever possible.

Scope 3

Rype has not yet calculated either upstream or downstream scope 3 emissions

Climate Solution

Over 85% of Rype's revenue is from the sale of remanufactured furniture, helping our clients save carbon emissions and waste.

Remanufacturing reduces embodied carbon emissions and waste by 80% compared to buying furniture made from virgin materials.

Giuntini, R., Gaudette, K. Remanufacturing: The next great opportunity for boosting US productivity, Business Horizons, Nov-Dec 2003, p. 44. states that remanufacturing reduces carbon emissions by 80% across industry sectors.

Rype has calculated emissions associated with remanufactured furniture, the results are aligned with the published research, an explanation and the calculations can be found in this blog on the Rype website.

<https://www.rypeoffice.com/remanufacturingemissions-savings/>