



CARBON EMISSIONS REPORT ISO 14064-1

Epwin Materials Ltd. T/A Poly-Pure

ABSTRACT

This report establishes the 2024 carbon footprint of Epwin Materials Ltd T/A Poly-Pure, totaling 4,413 tCO₂e across all greenhouse gases. It serves as a baseline for future emissions reduction and supports transparency, compliance, and sustainability goals. Independently verified by Inspired PLC, the report informs stakeholders and positions Poly-Pure to drive innovation and environmental accountability.

Steve Smith, Sara Lilja

Contents

General description of the organisation goals and inventory objectives	2
Organisational Boundaries.....	2
Reporting Boundaries.....	2
Quantified GHG inventory of emissions and removals.....	2
GHG reduction initiative and internal performance tracking	4
Summary	4

General description of the organisation goals and inventory objectives

Reporting Organisation: Epwin Materials T/A Poly-Pure

Person(s) Responsible: Steve Smith, Sara Lilja

Purpose of the report: to quantify Epwin Materials T/A Poly-Pure's carbon footprint for internal and external stakeholders and to provide a baseline for all carbon emissions reduction activity.

Dissemination Policy: To understand and reduce emissions, demonstrate transparency and accountability to stakeholders, comply with increasing regulations, gain a competitive advantage through sustainability and promote innovation.

Reporting period and frequency: This report covers the calendar year 2024.

Data & information: This report covers all GHGs and is reported as tonnes of Carbon Dioxide equivalent (tCO₂e)

Verification: This report has been verified independently by Inspired PLC.

Organisational Boundaries

This report has been prepared using Epwin Materials T/A Poly-Pure operational control as the boundary. As such, it includes Epwin Materials T/A Poly-Pure operations in the sites listed below.

Site	Country	Notes
Epwin Materials Limited T/A Poly-Pure, Unit 6-7a Atlas Works, Norwich Road, Lenwade, Norwich NR9 5SN	UK	

Reporting Boundaries

Direct and indirect emissions of Epwin Materials Ltd T/A Poly-Pure have been utilised in the generation of this report.

Quantified GHG inventory of emissions and removals

Emissions		FY2024 tCO ₂ e
1	Category 1: Direct GHG emissions & removals in T CO₂e	
1.1	Direct emissions from stationary combustion	501
1.2	Direct emissions from mobile combustion	N/A
1.3	Direct process emissions & removals from industrial processes	N/A
1.4	Direct fugitive emissions from the release of GHGs in anthropogenic systems (fugitive emissions)	N/A

1.5	Direct emissions & removals from land use change and forestry (LULUCF)	N/A
1.6	Renewable energy - biomass	N/A
1.7	Renewable energy PV	N/A
2	Category 2 Indirect GHG emissions from imported energy	
2.1 A	Indirect emissions from reported electricity (location based)	337
2.1 B	Indirect emissions from reported electricity (market based)	N/A
2.2	Indirect emissions from imported energy	30
3	Category 3: Indirect GHG emissions from transportation	
3.1	Emissions from upstream transport & distribution for goods	437
3.2	Emissions from downstream transport & distribution for goods	74
3.3	Emissions from employee commuting	60
3.4	Emissions from client & visitor transport	N/A
3.5	Emissions from business travel	4
4	Category 4 Indirect GHG emissions from products used by the organisation	
4.1	Emissions from purchased goods	107
4.2	Emissions from capital goods	202
4.3	Emissions from the disposal of solid waste by the organisation	18
4.4	Emissions from the water supply to the organisation	0.21
4.5	Emissions from the disposal of liquid waste by the organisation	N/A
4.6	Emissions associated with the production of energy purchased (upstream emissions associated with oil & electricity production)	115
4.7	Emissions from the use of leased assets	N/A
4.8	Emissions from the use of services that are not described in the subcategories above (consulting, cleaning, mail delivery etc.)	102
5	Category 5 Indirect GHG emissions associated with the use of products from the organisation	
5.1	Emissions / removals from the use stage of the product	N/A
5.2	Emissions from downstream of leased assets	N/A
5.3	Emissions from end-of-life stage of the product	112
5.4	Emissions from investments	N/A
5.5	Emissions from services not described above (consulting, cleaning, maintenance, mail delivery etc.)	N/A
6	Category 6 Indirect GHG emissions from other sources	2312
TOTAL		4,413

Methodology:

Our gross revenue for 2024 was £11.16 million. We calculated our figures based on the GHG protocol and annual revenue for the year 2024.

Intensity metric	tCO ₂ e/ unit of measure
Intensity of scope 1 and 2 per tonne (location based)	75.2
Intensity of scope 3 per tonne	320.3
Intensity of scope 1, 2 (location-based) and 3 per tonne	395.5

GHG reduction initiative and internal performance tracking

- We are going to seek out alternative electricity tariffs to include a green electricity tariff.
- Explore the possibility to use HVO fuel instead of diesel fuel
- Company vehicles are now either hybrids or electric
- Management review meetings every three months to evaluate ongoing GHG performance

Summary

In 2024, Epwin Materials Ltd T/A Poly-Pure recorded a verified carbon footprint of 4,413 tCO₂e, establishing a baseline for future emissions reduction. This figure encompasses all greenhouse gases and reflects our operational impact across the calendar year.

To build on this foundation and align with our sustainability goals, we recommend the following actions:

- 1. Set Clear Reduction Targets**
Establish short-, medium-, and long-term goals for reducing emissions, aligned with industry standards and regulatory expectations.
- 2. Enhance Data Collection & Monitoring**
Improve granularity and frequency of emissions tracking to identify high-impact areas and monitor progress effectively.
- 3. Prioritise Energy Efficiency**
Conduct energy audits and invest in low-carbon technologies across facilities and transport operations.
- 4. Engage Stakeholders**
Communicate progress transparently with staff, clients, and regulators to build trust and encourage collaboration.
- 5. Explore Circular Economy Opportunities**
Leverage Poly-Pure's role in PVC reprocessing to reduce upstream and downstream emissions through material recovery and reuse.
- 6. Review Annually**
Maintain annual reporting to track improvements, refine strategies, and ensure accountability.

These steps will support compliance, innovation, and long-term environmental stewardship, positioning Poly-Pure as a leader in sustainable materials management.