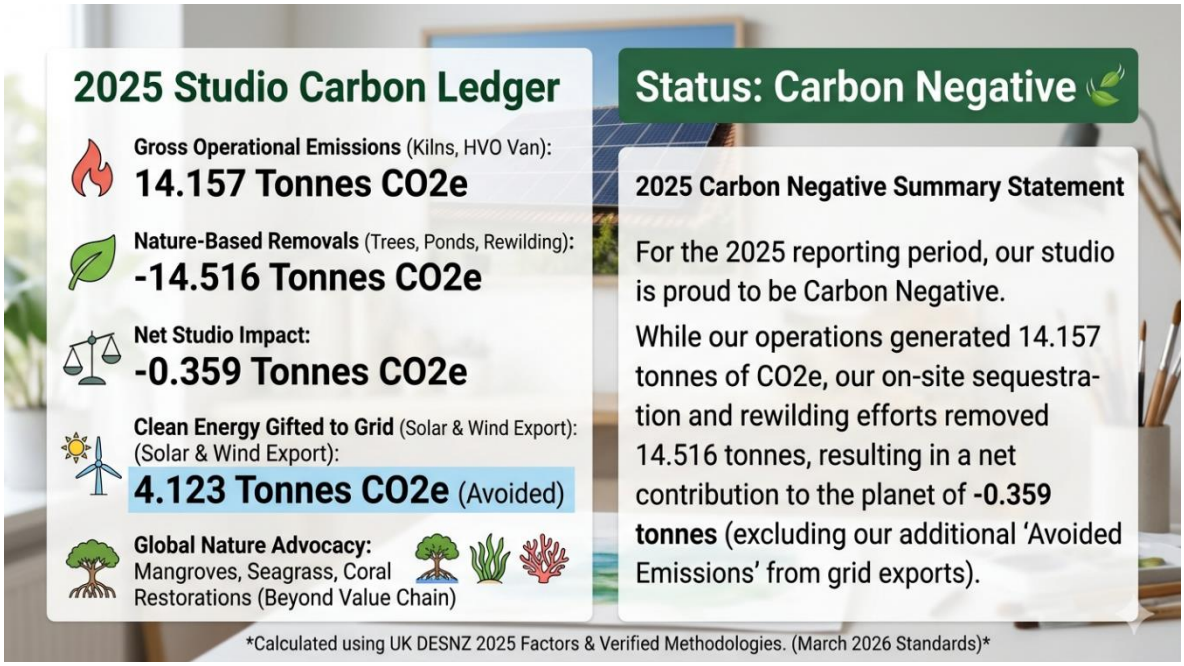
Mason/Wilkin 2025 Studio Carbon Footprint Report

We have worked hard this year to create a clear, data-driven carbon footprint report aligned with the **UK Government's March 2026 Environmental Reporting Standards**.



🌿 2025 Carbon Footprint Summary Statement

Reporting Period: 1st January 2025 – 31st December 2025

Boundary: All of our home and studio operations, material procurement and digital infrastructure.

Executive Summary

For the 2025 reporting period, our studio is proud to be **Carbon Negative**. While our operations generated 14.157 tonnes of CO_2e, our on-site sequestration and rewilding efforts removed 14.516 tonnes, resulting in a net contribution to the planet of -0.359 tonnes (excluding our additional 'Avoided Emissions' from grid exports).

In 2025, we completed a large commission plus other smaller commissions and our own work creating a total gross carbon footprint 14.157 tonnes of emissions (t CO_2e) for our studio and household. The chart below shows the emissions by scope (1-3).

Category	Emission Source	Activity (A)	Unit	UK Factor (B)	Total (kg CO2e)
Scope 1 total (Direct)	Propane (Furnace, reheating chamber) van and car (diesel/HVO)				10815.725
Scope 2 total (Indirect)	Green grid electricity				2381.636
Scope 3 total (Supply Chain)	Materials,services and digital services				959.513
Gross Total	All EMISSIONS 2025 Kg (Studio and household)				14156.874
					Emissions (t CO_2e)
Gross Total	**All EMISSIONS 2025 (Studio and household)**				**14.157**

Through a combination of on-site renewable energy generation (Solar & Wind), the adoption of Green Diesel (HVO), active nature restoration, we have reduced our net climate impact to **-0.359 tonnes t CO_2e**.

Climate Contribution & Removals

Our studio actively sequesters carbon through on-site rewilding projects, including native tree planting, hedgerow restoration, dead hedge creation and wetland (pond) management.

- **Total of our Nature-Based Removals: 14.516 tonnes t CO_2e**

Activity (nature based removals)	Quantity	Estimated Annual Absorption (B)*	Total Sequestration (kgCO2e)	Comments and notes
New Native Trees (0-5 yrs)	576 Trees	~1.0 kg per tree	576	
Established Trees (10+ yrs)	50 Trees	~21.0 kg per tree	1050	
Rewilding / Scrubland	1 Hectares	~2,000 kg per ha	2000	
Hedge Restoration	200 Metres	~1.8 kg per metre	540	
Deadhedge / Log Piles	22.5 m3 (Volume)	×460	10,350	*used 460 factor instaed of 915 due to variable density of deadhedge
Pond Surface Area	2.5 m2 (Area)	×0.15	0.375	
Total Annual Removals Kgs			**14,516**	**14.516 Tonnes CO2E 2025**
				Total estimated Sequestration (t CO_2e)
Gross Total	**All Removals 2025**			**14.516 Tonnes CO2E**

Avoided Emissions (Grid Export)

We returned **23293 kWh** of clean energy to the UK grid, saving an additional **4.123 tonnes** of carbon from being released.

Activity (self generated power)	kWh Exported	UK Export Factor	Benefit (kgCO2e)
Solar/Wind Export	23293.37	0.177	4122.92649
			Total saved (t CO_2e)
Next Export Benefit			4.123 Tonnes CO2E

Methodology & Integrity

This report is calculated using the **DESNZ (Department for Energy Security and Net Zero) 2025 Conversion Factors**. We apply **Dual Reporting** for electricity to remain transparent about our grid reliance while celebrating our 100% renewable tariff and self-generation.

Beyond Value Chain Mitigation (BVCM)

The Power of Blue Carbon (Marine Factors) – activity for 2025.

Marine ecosystems are often significantly more efficient at storing carbon than terrestrial forests. That's why, in addition to our own work we support the restoration of these ecosystems.

Activity (Nature Advocacy)	Quantity	Estimated Annual Absorption (B)*	Total Sequestration (kgCO2e)	comments and notes
Mangrove Trees (0-5 yrs) Global projects	685 Trees	~2.5 kg per tree	1712.500	Activity supported thorugh advocacy groups via Only One. Sequestration is 2-4X that of other trees. Used a modest 2.5x factor
Restoration -corals planted Global projects	58 corals			Activity supported thorugh advocacy groups via Only One.
seagrass restoration (UK)	£125 donation			Ocean Conservation Trust - Blue carbon project https://bluemeadows.org/
				Total estimated Sequestration (t CO_2e)
Total Annual Removals	UK & Global Projects			1.713 Tonnes CO2E

The table below illustrates how these ecosystems work with us to help mitigate climate change.

Programme	Ecosystem	Role	Narrative Benefit
Mangroves	Coastal Forest	High-density storage	Stores up to **4x more carbon** than tropical rainforests.
Seagrass	Underwater Meadow	Carbon burial	Covers 0.1% of the ocean floor but stores **10% of its carbon**.
Coral Reefs	Marine Habitat	Biodiversity & Protection	Protects coastlines from erosion (Climate Adaptation).

2026 Action Plan

At our studio, we recognise that every piece of artwork carries a legacy. By measuring our 'Digital Ghost' (Scope 3) and our 'Industrial Heat' (Scope 1), we are ensuring that the beauty we create in glass is balanced by the beauty we restore in the landscape.

Our studio is proud to be **Carbon Negative** for 2025 (that's our second year running) and we will continue to work to reduce our footprint even further.

Goals for 2026

1. **Material Innovation:** Aiming to increase the amount of recycled material we use (stainless steel etc) to drop Scope 3 intensity.
2. **Insulation and Energy Storage:** Improving the insulation on the house and exploring battery systems to further reduce the Scope 2 "Location-based" footprint while considering the impact of rare earth mining in the creation of the batteries.
3. **Increasing the level of rainwater harvesting:** Additional guttering and water storage to be put in place.
4. **Reducing amount of digital storage used:** closing email accounts, deleting emails and clearing cloud storage – aiming for 50% reduction during 2026.