



EMISSIONS

ANNUAL REPORT

Project Green Horizons aims to reduce our emissions to net zero by 2030. Sustainability is the name of the game as we move to protect the environment.

2023/2024



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Who We Are

Zinkworks utilises the latest cutting-edge technologies to deliver turnkey development services. We are committed to our client's success and work closely with them to develop custom innovations for their unique project goals.

150+

Locally Based
Software Engineers

2

Office Locations
with HQ in Ireland

10+

Years of Average
Engineer Experience

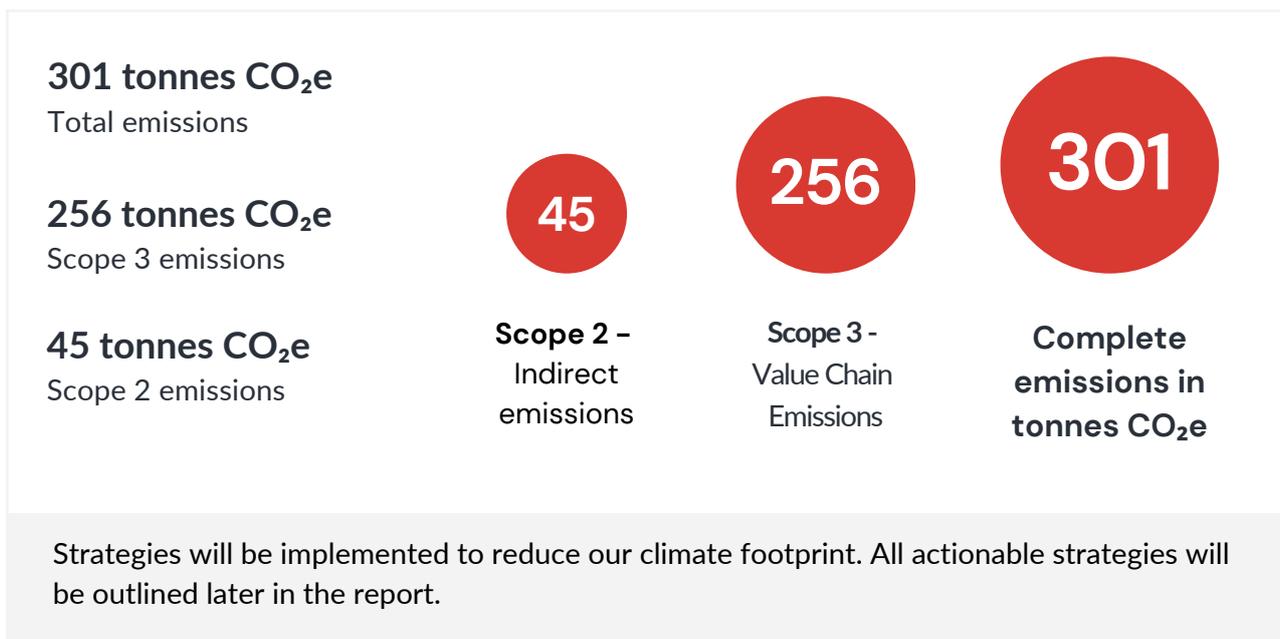
100+

Projects Completed



Emission	Details	Outcome
Scope 1	Entails direct emissions such as those released by the production of goods.	As a services based company Scope 1 emissions are 0 tonnes CO ₂ e.
Scope 2	Entails indirect emissions such as that produced by heating and electricity.	Makes up 15% of Zinkwork's emissions  15%
Scope 3	Entails emissions by other businesses and services whose services we use i.e. value chain emissions	Makes up the remaining 85% of Zinkwork's emissions  85%

Emission Summary



Scope 2 - Explained

Scope 2 involves indirect emissions. For Zinkworks, the only relevant sources of Scope 2 emissions are electricity and heating.

Emissions Breakdown

45.2 tonnes CO₂e

Total Scope 2 Emissions

19.5 tonnes CO₂e - 43.2% of Scope 2

Heating Emissions



25.7 tonnes CO₂e - 56.8% of Scope 2

Electricity Emissions



Reduction Strategy

Only the Athlone office has been included in the Scope 2 calculation as it makes up more than 98% of electricity and heating expenses.

The Athlone office uses electric heating - meaning that our Scope 2 is entirely based on our electricity consumption.

Reducing Scope 2 is thus rather simple as it only entails but in place power saving measures and moving towards greener power sources.

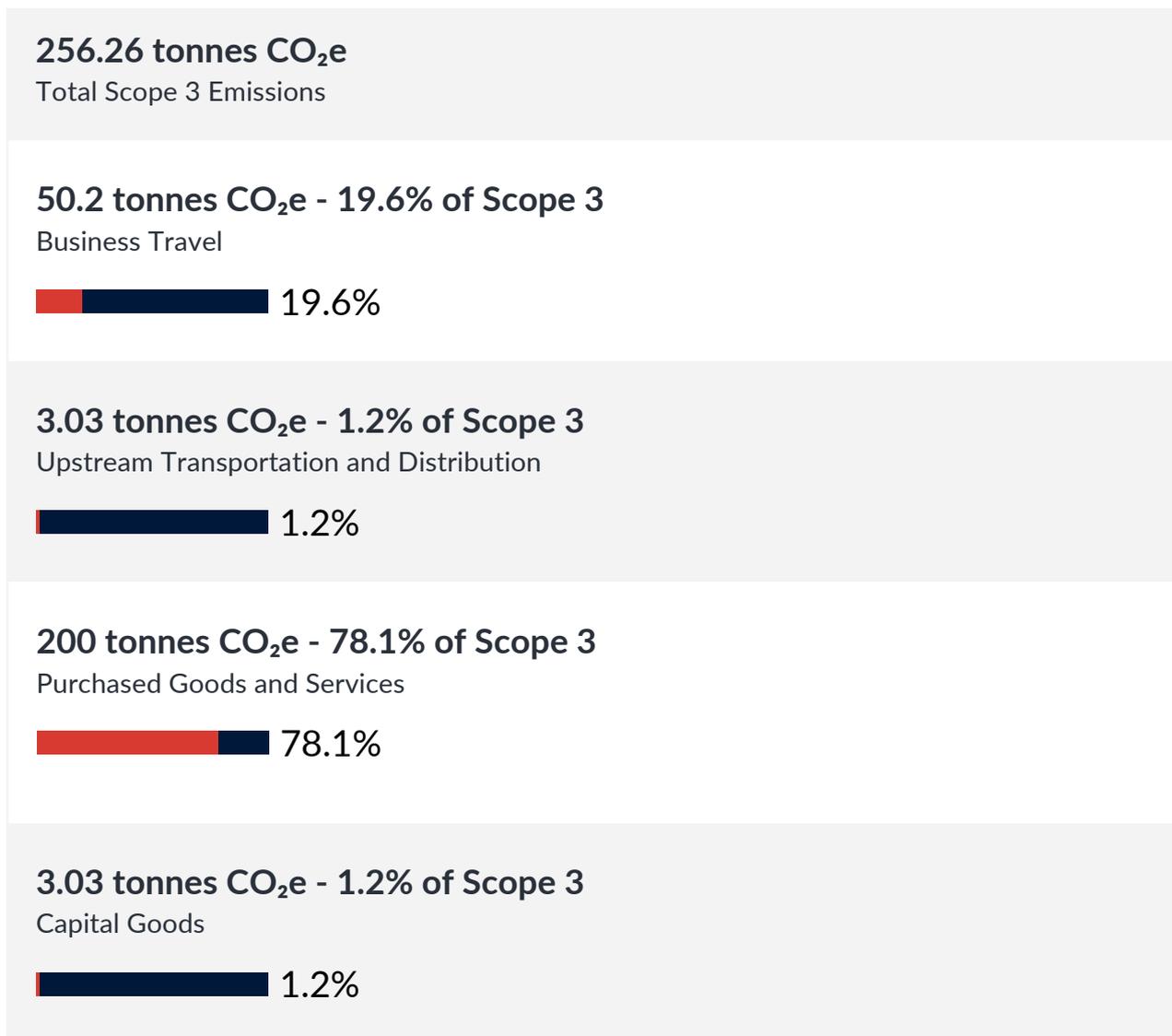
We have already begun to tackle this emission category. The details of these strategies will be discussed at the end of this report.

Scope 3 - Explained

Scope 3 involves the indirect emissions produced upstream and downstream of our value chain. This is where the largest fraction of our emissions are produced. It is calculated from the total expenses and sum of various expense types. The Normative Carbon Calculator divided Scope 3 into four major categories which each included around 5 different expense types. They are:

- Business Travel
- Upstream Transportation and Distribution
- Purchased Goods and Services
- Capital Goods

Emissions Breakdown



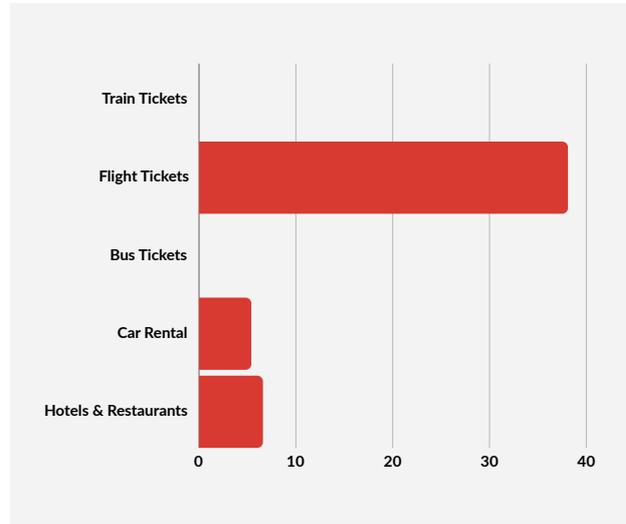
Scope 3 by Category

For our calculations we used the GHG calculator provided by Normative. In the calculator four major Scope 3 categories were provided. What follows is breakdown of the categories with their associated emissions.

Business Travel:

50.2 tonnes CO2e

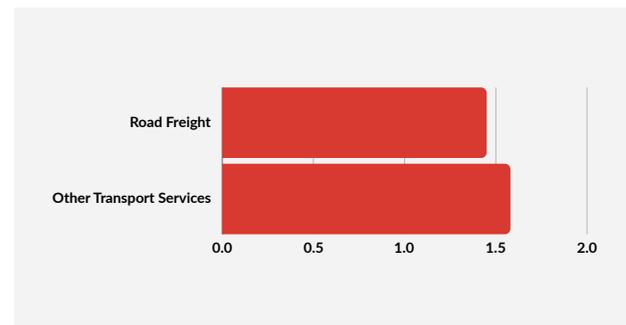
- Train Tickets - N/A
- Flight Tickets - 38.1 tonnes CO2e
- Bus Tickets - N/A
- Car Rental - 5.4 tonnes CO2e
- Hotels & Restaurants - 6.6 tonnes CO2e



Upstream Transportation and Distribution:

3.03 tonnes CO2e

- Road Freight - 1.45 tonnes CO2e
- Other Transport Services - 1.58 tonnes CO2e



Purchased Goods and Services

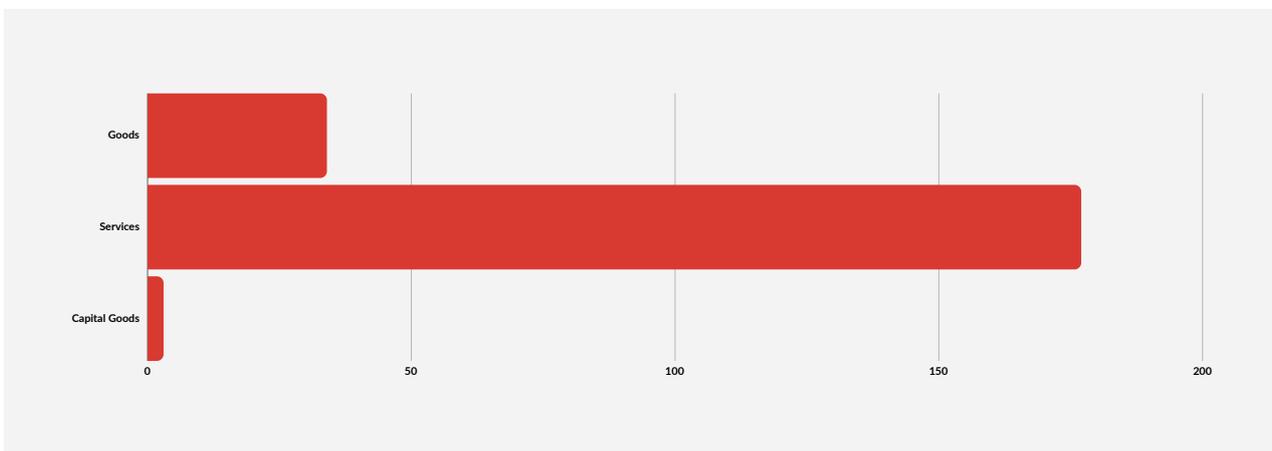
200 tonnes CO2e

- Goods - 34 tonnes CO2e
- Services - 177 CO2e

Capital Goods

3.03 tonnes CO2e

- Goods - 34 tonnes CO2e
- Services - 177 CO2e



Scope 3 Reduction Strategies

By the nature of Scope 3 emissions - they are inherently difficult to reduce.

In accordance with the shared responsibility we have for their reduction we aim to engage our supply chain on reducing their climate impact - and integrating sustainability issues as a key factor when considering new business partners.

We will also begin investing further resources into building the skills, infrastructure and systems to enable accurate measuring and reduction of our climate impact.

While we are aware of the flaws of offsetting as solution of carbon emissions, we are still planning on offsetting at least 50% of our yearly emissions - not as a substitute for climate action but to show our commitment to taking care of the environment and our planet. By the end of Q4 2024 we will be offsetting the entirety

To tackle our Business Travel emissions we will continue to push our existing bike to work scheme and work to prioritise greener travel options when possible. Our hybrid working policy also limits the growth of this category by cutting down on employee travel.

Methodology & Opportunities

This report is based on our findings from the Normative Business Carbon Calculator provided by the SME Climate Hub - based on data from the business year of 2023.

Because of the nature and structure of the calculator, we expect a degree of error in the calculation of our Scope 3 emissions.

In investing further resources into our sustainability initiatives we will endeavour to remove such errors in time for the next reporting period.

Scope Reduction Strategies

Strategy 1 - Targeting Scope 2



At the moment we have implemented two primary initiatives for Scope 2 emission reduction, the effect of which should be reflected in our future 2025 and 2026 reports;

- New Office Lighting - We have moved to more energy efficient in our main office in Athlone.
- Solar Panels - We have recently installed solar panels in our Athlone office, reducing our electricity usage and pushing us towards greener and more sustainable energy sources.

Strategy 2 - Greener Business Travel



In line with our climate commitments we will be prioritising the use of business travel options with lower degrees of climate impact.

We will also be working to implement further initiatives for promoting low impact travel options for our employees akin to our current Bike to Work program.

Strategy 3 - Pushing for a Greener Future



To achieve the goal of Net Zero, we will be tackling Scope by engaging our value chain to the purpose of climate impact reduction.

Part of this initiative will entail us prioritising business partners who have made climate commitments above those who have not - as well as working closely with our key partners to encourage and support them to start their own Net Zero journeys.

Strategy 4 - Investing in the Future



In order to ensure that we reach our climate goals and that our future climate action will be effective, investment is key.

We will thus be investing further resources towards education for key personnel, building systems and infrastructure, and offsetting.

We are also committing to offsetting the total of our 2023 emissions in Q4 2024.