



Carbon Footprint Report 2021/2022

To meet the requirements of the Streamlined Energy Carbon Reporting

Contents

Introduction.....	3
Section A: Required Information	
Company Description.....	4
Organizational Boundaries.....	5
Operational Boundaries.....	6
Reporting Period.....	7
Base Year.....	7
Calculation Method.....	8
Gross Emissions.....	8
Emissions by Scope.....	8
Exclusions & Uncertainties.....	9
Section B: Optional Information	
Performance.....	10
Ratio Performance Indicators.....	10
Information on Offsets.....	10
Reduction Strategies.....	11
Information on Quality Management System... ..	12
End Notes.....	13
Contact Information.....	14

Introduction

Hy-Ten Ltd are pleased to present our 2021/2022 Carbon Footprint Report.

Company Description

Hy-Ten Ltd are a leading stockist and fabricator of concrete reinforcement bar, mesh and accessories, with a nationwide network of 12 manufacturing centres from which we provide an innovative, rapid and cost effective service to building and civil engineering contractors throughout the UK, Eire and the World, as well as being a major distributor of industrial welded mesh, security fencing, gabions and other land reinforcement products.

Hy-Ten Ltd also manufacture structural steelwork and general steel fabrications.

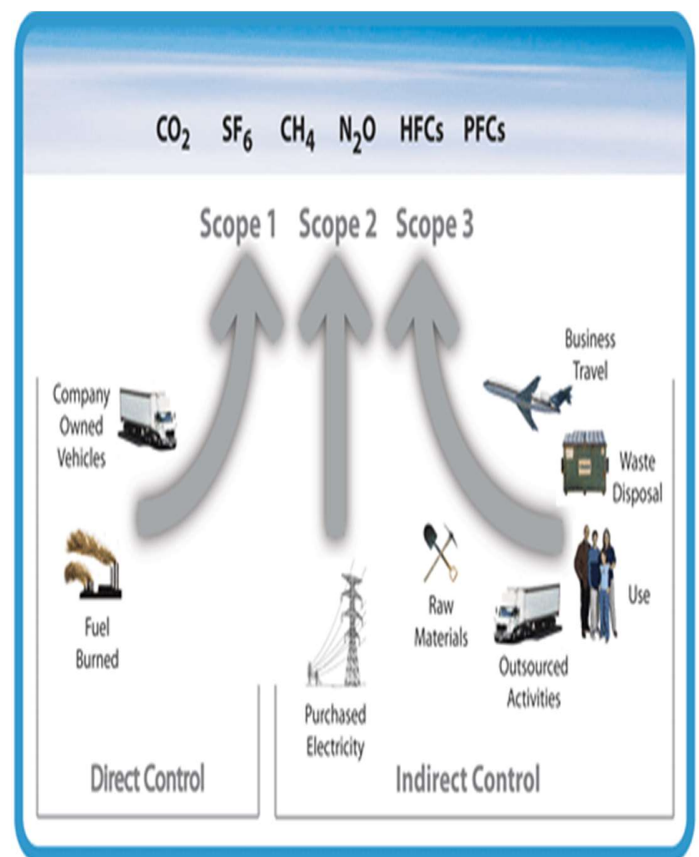
Organizational Boundaries

The emitting activities covered in this carbon footprint report for 2021/2022 includes direct emissions resulting from Hy-Ten Ltd owned or controlled equipment and emissions from purchased electricity (referred to as Scope 1 and 2 emissions respectively); and selected indirect emissions resulting from Hy-Ten Ltd.

It is important to highlight that the reporting of both direct emissions and indirect emissions, resulting from purchased electricity, are compulsory. All other indirect emissions, scope 3 emissions, are reported on a voluntary basis.

This report only includes Scope 3 emission data for public transport. The reporting boundary that has been identified as most appropriate is a Financial Control Boundary, (if your organisation has the ability to direct the financial and operating policies of the operation with a view to gaining economic benefits from its activities)

Hy-Ten Ltd has gone to all reasonable lengths to ensure the accuracy of this report.



Operational Boundaries

Operational Boundaries requires choosing the scope of emissions that will be reported. There are three scopes of emissions that can be reported:

Scope 1: Direct GHG Emissions from company owned or controlled assets.

Scope 2: Indirect GHG Emissions from purchased electricity or steam.

Scope 3: Other indirect GHG Emissions which occur at sources which you do not own or control.

According the GHG Protocol Corporate Reporting Standard, Scope 1 and Scope 2 emissions must be reported. Scope 3 emissions are voluntary.

Hy-Ten Ltd has reported on Scope 1 & 2 Emissions, scope 3 emissions are included for public transport used for business activities/.

Scope 1 Emissions Include:

- Diesel - Company Vehicles.
- Gas Oil - Fork Lift Truck or similar plant.
- Petroleum - Company Vehicles.

Scope 2 Emissions Include:

- Electricity.
- Gas.

Scope 3 Emissions Include:

- Public Transport - Rail.
- Public Transport - Taxicab.
- Public Transport – Flights.

This Carbon Footprint Report includes emissions from the following operations:

A Main sales office, Richmond, Surrey.

B Middlesex Depot & Sales Office.*

C Kent Depot & Sales Office.*

D Dorset Depot & Sales Office.

E West Midlands Depot & Sales Office.

F Hy-Ten Welded Mesh (Gabions, Fencing & Industrial Mesh)

G North West Depot & Sales Office.*

H Hy-Ten Coil & Wire, Bootle Liverpool.*

I East Midlands Depot & Sales Office.*

J Wallingford Depot, Oxfordshire.

K North East Depot & Sales Office.

M Devon Depot & Sales Office.



* Depots certified to ISO: 14001 2015.

Reporting Period

The reporting period for this Carbon Footprint report is: 1st July 2021 – 30th June 2022.

Base Year

A base year allows for like to like comparisons over time and allows tracking progress to a given target.

The base year of Hy-Ten Ltd for the purposes of reporting Greenhouse Gas Emissions was taken from data collected in the year: 1st July 2019 – 30th June 2020.

The purpose of this period being selected was to collaborate financial reporting and environmental performance reporting for public end of year reporting.

Base Year Re-calculation

This Carbon footprint Report covers all operational facilities.*

The base year recalculation will be carried out in the instance that:

Changes in calculation methods or improvements in the accuracy factors are identified.

Acquisition or disposal of more than 2 operational facilities in any reporting year.

The base year is not recalculated due to business growth or decline.

**Operational facility includes head office and is not limited to product processing facilities.*

Calculation Method:

Two calculation methods are accepted for the purpose of calculating GHG emissions. Direct Monitoring and Measurement requires the use of scientific equipment at the point of discharge.

Emissions Factors applies a multiplier to the amount of resources consumed.

Hy-Ten Ltd has chosen to use the Emission Factor method for the purposes of calculating GHG emissions.

Hy-Ten Ltd has made all efforts possible to use the best available emissions factors available at the time and has cited the source of all emission factors used.

Gross Emissions

The total emissions for Hy-Ten Ltd in the reporting period of 01st July 2021 – 30th June 2022 are:

Reporting Year	Total Emissions kg/CO2
2021/2022	1,564,00.00 <i>+3600 Kg/CO2 From base year</i>

Emissions by Scope:

The total emissions broken down by Scope are as follows:

Scope 1 Emissions	587,700.00 kg/Co2 <i>+6,000 Kg/CO2 From base year</i>
Scope 2 Emissions	947,600.00 kg/Co2 <i>+3,440 Kg/CO2 From base year</i>
Scope 3 Emissions	300 kg/Co2 <i>-5,417.58 Kg/CO2 From base year</i>

Exclusions and Uncertainties

Sub-Contracted Haulier companies are excluded as Hy-Ten Ltd have no control over the routing of vehicles.

Hy-Ten Ltd will however where practicable use reputable haulier companies with operational certification i.e. FORS, CLOCS.

Section B: Performance and Benchmarking.

Hy-Ten Ltd conduct this report using the data for the year 2019/2020 as the benchmark for future reporting.

Ratio Performance Indicators

The ratio performance indicator Hy-Ten Ltd have elected to use as a reporting mechanism is CO₂/Hour Worked.

The total CO₂ per hour worked 3.78 kg. *-1.44Kg/CO₂ From Base Line Data.*

Scope 1. 1.422 kg per hour. *-0.56Kg/CO₂ Per Hour from Base Line Data.*

Scope 2. 2.293 kg per hour. *-0.923Kg/CO₂ Per Hour from Base Line Data.*

Scope 3. 0.1 kg per hour.

Information on Offsets

To offset the companies Carbon Emissions the cost would be £14076.15
this is an equivalent of £9.00 per tonne of Co₂.

There is a noticeable increase in kg/Co₂ but Ratio Performance Indicators indicate reductions for Scopes 1 and 2 indication energy saving measures are successful.

Reduction Strategies

Hy-Ten Ltd will continue to carry out the following strategies to reduce the quantity of carbon emissions.

Energy Marshalls.

Switching off lights and other electrical items in Manufacturing and Office facilities where not required.

Purchase of new vehicles (Lorries) will be to Euro 6.

Where practicable provide energy efficient (Electric / Hybrid) vehicles to staff when replacing existing vehicles.

Turn off machinery when not being used.

Energy consumption consideration to any new or upgraded plant or machinery.

Quality Management System

Collation of data is carried out by employees from depots who are familiar with the ISO systems and have knowledge of carbon reporting techniques.

The data will be further analysed by senior staff to ensure the accuracy of the report.

Endnotes

The data for this report has been collated from itemised Energy provider's statements.

Contact Information

Any additional information regarding the information this report can be obtained by contacting ak@hy-ten.co.uk.