



XL Joinery

West Yorkshire Retail Park
Holden Ing Way
Birstall
West Yorkshire
WF17 9AD

Qualifying Explanatory Statement (QES) in support of PAS2060:2014 **2021**

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Introduction

This document forms the Qualifying Explanatory Statement to demonstrate that XL Joinery has achieved carbon neutrality under the guidelines of PAS 2060:2014 and is further committed to maintaining carbon neutrality, under the guidelines.



Section 1: General Information

PAS 2060 Requirement	Response
Entity making PAS 2060 declaration:	XL Joinery
Subject of PAS 2060 declaration:	The Warehouse, Offices and Delivery fleet operated by XL Joinery in the UK
Description of Subject:	XL Joinery are a market leading supplier of wooden doors and associated products. Our brand can be found in the most prestigious names in Builders Merchants and Retail sectors across the UK. We has been operating from our Head Office in West Yorkshire for over 28 years and have been helping homeowners transform homes and offices through innovation and a constantly evolving product range. Operating from our 6 acre site, we have almost 100 employees and supply in excess of 500,000 joinery products every year.
Rationale for selection of the subject:	The scope and subject of this PAS 2060 statement includes the major emissions, based on the initial findings of the <i>XL Joinery - Carbon Neutral Team</i> being petrol, diesel, gas and electricity consumption
Type of conformity assessment:	Independent 3 rd Party Certification
Baseline date for PAS 2060 programme:	1 st September 2021 – 31 st August 2022
Individuals responsible for evaluation and provision of data necessary for declaration:	David Crossley

Section 2: Declaration of Commitment to Carbon Neutrality

PAS 2060 Requirement	Response
Declaration of commitment:	1 st September 2021 – 31 st August 2022
Carbon footprint of the subject for the period immediately prior to the start of the commitment:	189.0 tCO₂e
Carbon footprint reduction target for period.	XL Joinery forecast a 10% reduction through 2022... reducing our emissions by a further 19 tCO₂e
Location of GHG emissions report supporting this claim:	Section 4
Location of the Carbon Footprint Management Plan:	Section 5
Name of Senior Representative	Signature
Name: David Crossley Role: Continuous Improvement Manager Date: 23 rd November 2021	



Section 3: Declaration of Achievement of Carbon Neutrality

PAS 2060 Requirement	Response
Declaration of achievement:	1 st September 2020 – 31 st August 2021
Recorded carbon footprint of the subject during the period stated above:	189.0 tCO₂e
Location of information supporting claims:	Appendix A
Location of the details describing internal reductions achieved:	Appendix B
Location of the details describing the carbon offsets:	n/a
Name of Senior Representative:	Signature
Name: David Crossley Role: Continuous Improvement Manager Date: 23 rd November 2021	

Section 4: Carbon Footprint Breakdown

Methodology

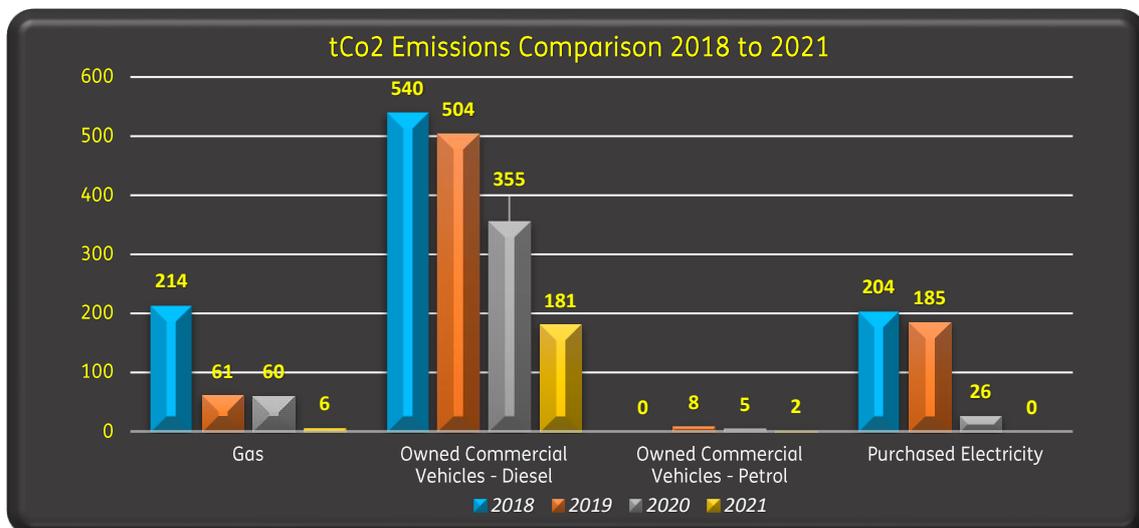
XL Joinery's Carbon Footprint Assessment Methodology has been informed by, and complies with, the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard and Greenhouse Gas Reporting conversion factors provided by DEFRA.

The Methodology employed by XL Joinery shall, as far as possible, minimize uncertainty and will yield accurate, consistent and reproducible results.

The data below has been verified through meter readings and invoices for the Gas and Electricity figures. The Owned Commercial Vehicle figures were verified by fuel card data. Whilst every reasonable precaution has been taken, there is the possibility for a very small margin of error from such instances of conversion from 'estimated' to 'actual' meter reads.

We accept that there may be small inaccuracies, for the commercial vehicles, given instances where an employee may not have used a fuel card etc., however these instances are rare and have a negligible difference in our overall emissions.

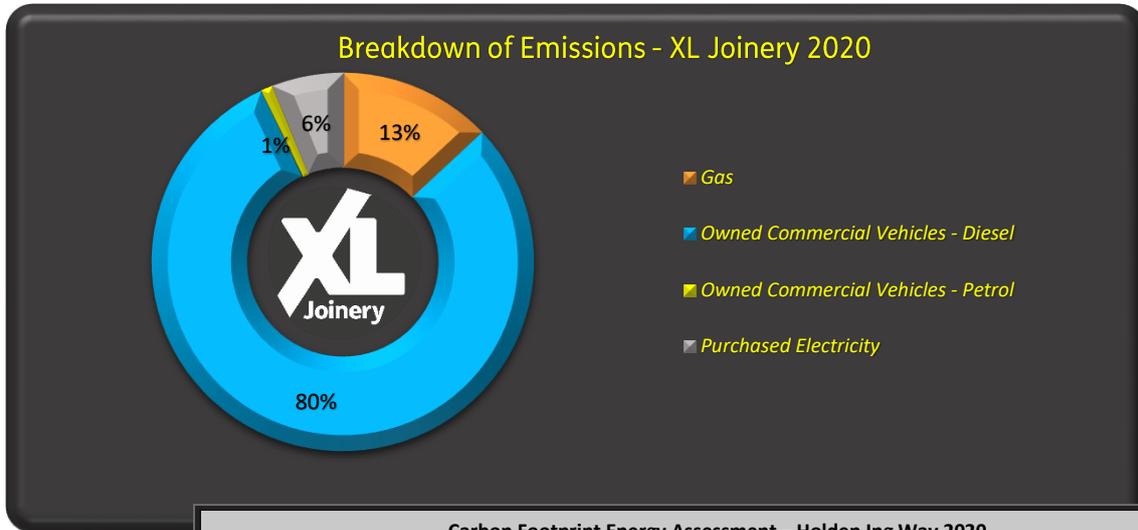
Breakdown of XL Joinery's Carbon Emissions 2018 to 2021





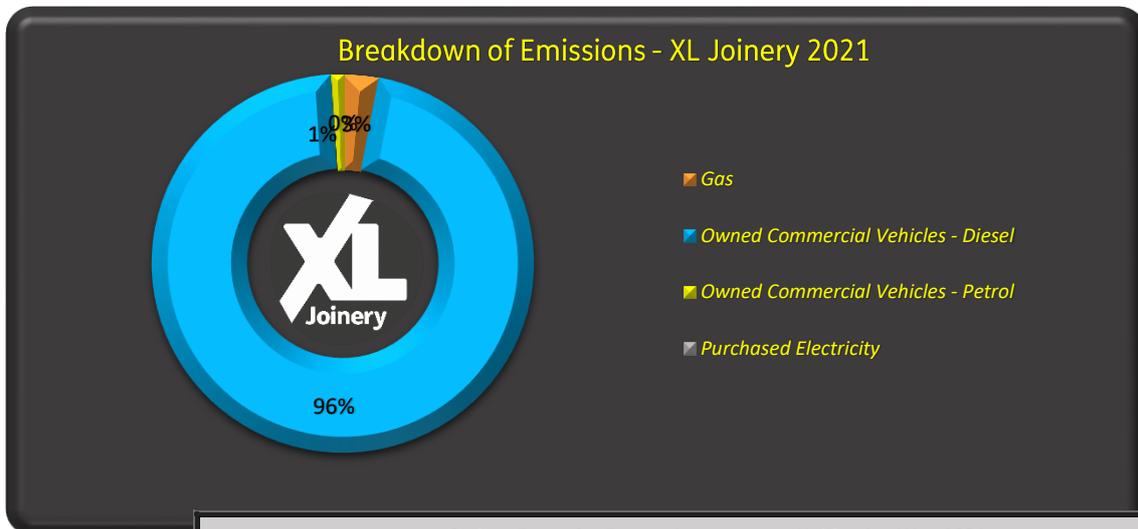
Breakdown of XL Joinery's Carbon Emissions

Appendix - A



Carbon Footprint Energy Assessment – Holden Ing Way 2020					
Emissions Type	Emission source	Emission Factor	Emissions tCo2e	Purchased kwh/yr.	%
Scope 1 (Direct Emissions)	Gas	0.18387	59.80	325,176.00	13%
	Diesel vehicles	2.54603	355.30	139,564.20	80%
	Petrol vehicles	2.16802	4.60	2,124.20	1%
	Sub Total	n/a	419.70	466,864.40	94%
Scope 2 (Imported Energy)	Electricity	0.325	25.59	78,766.90	6%
	Sub Total	n/a	25.59	78,766.90	6%
Total		n/a	445.29	545,631.30	100%

Appendix - B



Carbon Footprint Energy Assessment – Holden Ing Way 2021					
Emissions Type	Emission source	Emission Factor	Emissions tCo2e	Purchased kwh/yr.	%
Scope 1 (Direct Emissions)	Gas	0.18316	5.77	31528.0	3%
	Diesel vehicles	2.51233	181.50	71,984.0	96%
	Petrol vehicles	2.19352	1.70	896.6	1%
	Sub Total	n/a	188.97	104,408.6	100%
Scope 2 (Imported Energy)	Electricity	n/a	0.0	0	0%
	Sub Total	n/a	0.0	0	0%
Total		n/a	188.97	104,408.6	100%



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Section 5: Carbon Footprint Management Plan

Introduction to XL Joinery

XL Joinery are a market leading supplier of wooden doors and associated products, our brand can be found in the most prestigious names in Builders Merchants, DIY outlets across the UK.

2020 continued to be impacted by global effects of the Coronavirus Pandemic, presenting significant challenges for the UK economy. As a business, XL Joinery have been pro-active and continued to adjust to the global effects on business.

XL Joinery remained operational and our Carbon Neutral Team continued to raise initiatives which would bring further Co2 emission reductions.

Having demonstrated a 38% emissions reduction of 273 tCO₂e throughout our carbon year September 2019 to August 2020, we were delighted to receive certification of 445 tCO₂e for our year three application. Our colleagues were obviously thrilled at such a tremendous achievement and they remain extremely positive in their support.

We continued to offset our remaining CO₂ emissions with sponsorship of projects across the globe, from a Solar Power Project in the Philippines to the Production and Dissemination of Ceramic Water Purifiers in Cambodia, totalling 246 tCO₂e.

This year we were delighted to also be able to contribute significant sponsorship to a fantastic Reforestation - tree-planting project in Kenya offsetting some 200 tCO₂e. This project provides an opportunity to plant trees in Kenya and for each tCO₂ being offset, one native tree is planted in the Great Rift Valley, Kenya. Over the last ten years, this wonderful project has planted over 170,000 trees and rehabilitated over 160 hectares of the woodland helping in restoring the water catchment ecosystem of the forest.

Key achievements:

- ☘ We have continued to explore renewable energy as a replacement to our previous fuel supply. We have progressed green' Tariffs, again for Electricity and now Anaerobic Digestion Gas to provide XL Joinery with REGO (Renewable Energy Guarantee Origin) backed energy from November 2020.
- ☘ We have changed our existing two EV charging points and added two further points with 22kw smart charge systems. This initiative of increasing our EV points from two to four units affords our colleagues to benefit from zero emission vehicle options. The smart systems will also allow us to deliver a very controlled amount of charge with no unnecessary, energy consuming battery overcharge. The Smart system will further allow us to monitor energy.
- ☘ XL Joinery has switch to a 'Green Gas' supply for our site gas requirements, for building heating and drying oven equipment in our production workshops'.
We have embraced advances in Bio-methane initiatives, also known as '**green gas**', such gas being produced from processes of anaerobic digestion of organic materials and landfill gas. This process recycles carbon that is already in the environment and as such its use is Carbon Neutral with significant benefits for the environment.

Future initiatives:

We are currently working with Fronius Solar Energy to establish a PV (photovoltaic) Solar Power project. The solar PV project is an energy system that has been designed to capture energy from the sun and transform it into electricity by using photovoltaics, more commonly known as solar panels. PV Solar panels are incredibly safe and low-maintenance systems
Fronius have been at the forefront of electric charge solutions since the 1940s and are a strong global player and one of the most prominent names in the industry.



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Section 6: Carbon Offsetting Strategy

Our Carbon Neutral team will research various offset projects being careful in consideration of the following criteria:

- ✎ Providing structure to Corporate and Social Responsibility (CSR) activities
- ✎ Giving back to local communities where our business is being done and where our products are sourced
- ✎ Helping to reduce global CO2 emissions
- ✎ Helping to enhance developing countries – economic, social & communities
- ✎ Fostering local community relations
- ✎ Helping to build XL Joinery’s brand reputation
- ✎ Engaging with our staff and enthusing internal teams
- ✎ Helping win in competitive tender situations
- ✎ Differentiating ourselves from competitors
- ✎ Balancing out unavoidable emissions and becoming Carbon Neutral

We will present the findings of our research to XL Joinery colleagues and ask for their involvement to choose where they would like to see the Business invest in the drive to reducing global CO₂ emissions

Kenya Tree Planting

Type: Reforestation

Country: Kenya

tCO₂ offset amount = 89 tCO₂e



This project provides an opportunity to plant trees in Kenya, for each tCO₂ being offset, one native tree is planted in the Great Rift Valley, Kenya. Over the last ten years, the project in Kenya has planted over 170,000 trees and rehabilitated over 160 hectares of the forest helping in restoring the water catchment ecosystem function of the forest. While doing this, over 20 community members who directly work in the forest make their livelihoods from the project. Many more from their families benefit from being dependent on them. The project includes an empowerment scheme, where the members are now owners of dairy cows from which they get additional income from the sale of milk to their villagers. The project is strongly focused on empowering women, who make up over 50% of the project team.

More information online: <http://www.carbonfootprint.com/plantingtreesinkenya.html>
<http://www.carbonfootprint.com/vcstreebuddy.html>

Veer (NLBC) Small Hydro Power Project

Type: Hydro Power Project

Country: India

tCO₂ Offset amount = 89 tCO₂e



Veer small hydro power project is a project of 4.8 MW at Village Veer, Taluka Purandar, and District Pune, Maharashtra, across river Nira which is right bank tributary of river Bhima in Krishna basin. The water stored by the irrigation project is let down into the two canals on both the flanks of the river, namely Nira Right Bank Canal (NRBC) and Nira Right Bank Canal (NLBC) through separate canal irrigation outlets for irrigation outlets for irrigation as well as for drinking purpose.

Rimba Raya Biodiversity Reserve Project

Type: Deforestation Reduction (REDD+)

Country: Borneo, Indonesia

tCO₂ Offset amount = 100 tCO₂e



On the southern coast of Borneo, in the province of Central Kalimantan, one massive ancient forest stands defiant: Rimba Raya, “The Infinite Forest.” Once designated for destruction and conversion into a palm oil plantation, Rimba Raya is now dedicated to the protection and preservation of hundreds of at-risk species—most notably, the endangered Bornean Orangutan whose population has declined over 95% in the last century.

Sponsorship with Carbon credits can protect endangered species, contribute to the local economy by creating jobs, provides access to clean water and health services while fostering principles of sustainable growth amongst local communities.

More information online: https://www.carbonfootprint.com/rimba_raya_redd.html

Freedom Flight Prize Sponsorship

Type: First Renewable Atlantic Flight
Country: Global



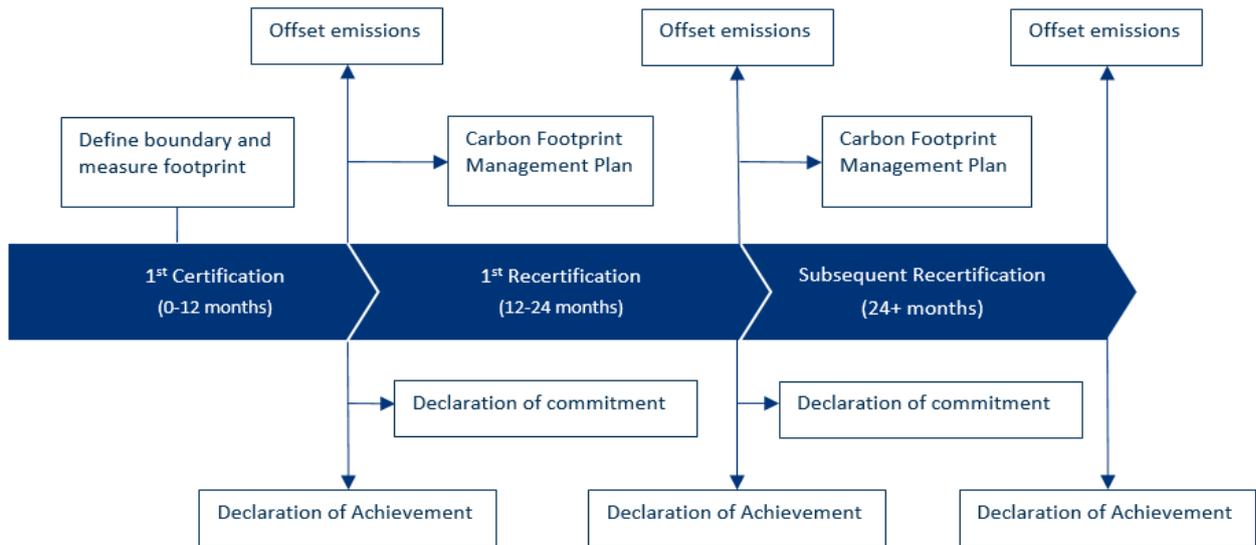
The Freedom Flight Prize will be awarded for the first zero carbon emission plane capable of carrying 100+ passengers across the Atlantic

This is a ground-breaking initiative open for sponsorship from companies and philanthropists which aims to generate a multimillion pound prize fund to motivate and accelerate the development of truly sustainable aviation.

The project encourages and accelerates the development of truly zero carbon emission flying for all, the challenge being to fly a zero carbon emission, 100+ seat passenger aircraft between London and New York and complete the return trip within 24 hours of starting out.

More information online: <https://www.freedomflightprize.org/>

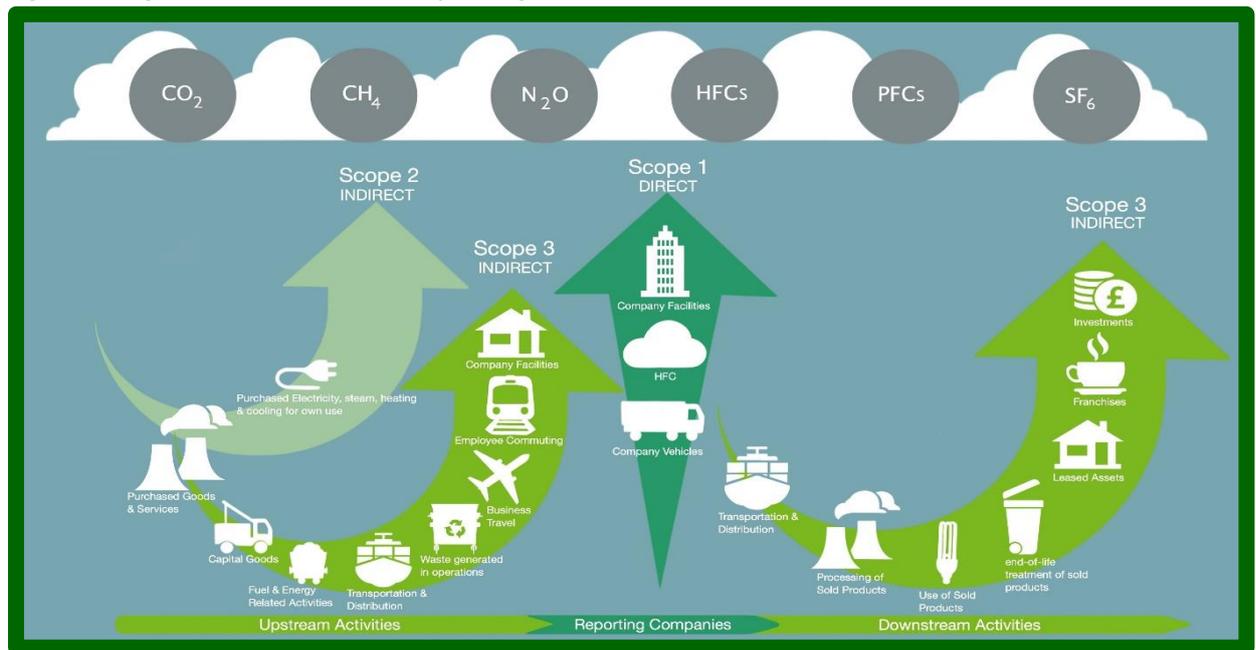
Figure 1: PAS 2060 Certification Process



Adapted from 'BSI - PAS 2060:2014: Specification for the demonstration of carbon neutrality:

Fig.1 – Illustration of the cyclical process for demonstrating carbon neutrality, taking into account permitted baseline period exceptions'.

Figure 2: Organisational Carbon Footprinting



Source: web Greenhouse Gas Protocols