



# Architype Carbon Reduction Plan 2023

## 1. Carbon Reduction Plan

Architype's Carbon Reduction Plan is a summary document giving details of high-level information that demonstrates compliance with PPN 06/21. The plan follows the Carbon Reduction Plan Template and the Technical standard for Completion of Carbon Reduction Plans.

More detail on Architype's carbon footprint and wider environmental impacts, and our strategy to measure and reduce these, can be found in Architype's annual Impact Report.

## 2. Commitment to achieving Net Zero

Architype is committed to achieving Net Zero emissions by 2050.

Architype are signatories to the UK Business Climate Hub – which is recognised by the United Nations Race to Zero Campaign - and we have made a commitment to cut our operational carbon emissions in half by 2030 and to reach 'net zero' by 2050. In this case 'net zero' is defined as putting no more carbon into the atmosphere than the organisation is taking out.

Our organisational aim is to significantly improve against these targets, reducing our carbon emissions more rapidly and hitting 'net zero' sooner.

## 3. Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

<b>Baseline Year: 2019</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
Architype has selected 2019 as our base year for reporting. The 2019 baseline scope does not deviate from requirements under this measure and has not been re-evaluated due to significant organisational change or re-structuring.	
<b>Baseline year emissions:</b>	
<b>EMISSIONS</b>	<b>Total (tCO<sub>2</sub>e)</b>
Scope 1	6.7
Scope 2	16.3
Scope 3 (Included Sources)	58.4
<b>Total Emissions</b>	81.4

## 4. Current Emissions Reporting

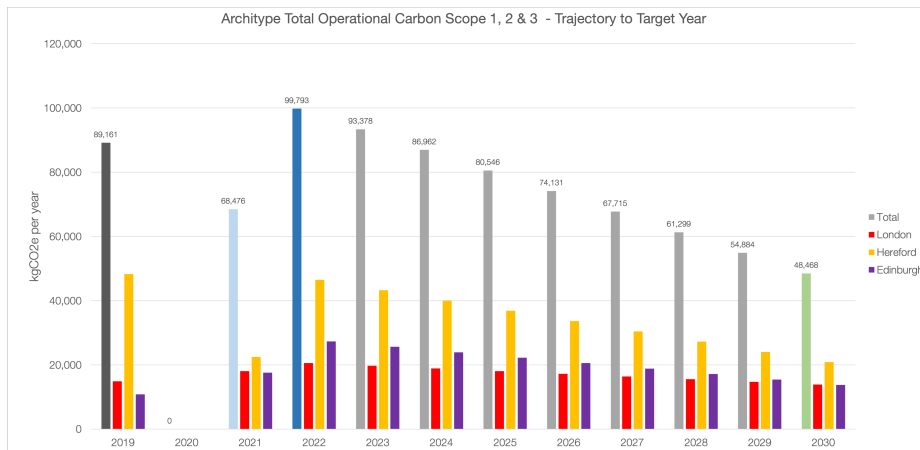
Reporting Year: 2023	
EMISSIONS	Total (tCO2e)
Scope 1	0.7
Scope 2	17.1
Scope 3 (Included Sources)	38.9
<b>Total Emissions</b>	<b>56.7</b>

## 5. Emissions Reduction Targets

We have developed detailed emission reduction strategies to drive down impact across each of the reporting categories which is set-out and then reviewed against progress in our annual Impact Report.

In order to continue our progress to achieving Net Zero by 2050, we are targeting that by 2030 our carbon emissions will be reduced by 50% from our 2019 baseline.

This illustrative summary chart from our Impact Report sets out our current pathway – and shows we are on target to achieve our interim 2030 target of halving our emissions:





## 6. Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The carbon emission reduction achieved by these schemes equate to 24.7 tCO<sub>2</sub>e, a 30% reduction against the 2019 baseline and the measures will be in effect when performing the contract.

- Our Hereford office (and London office partially occupied this year) have been converted to operate as all-electric using air source heat pumps for heat source.
- Company cars have been switched for all electric.
- Our new hybrid work policy has enabled commuting and business travel impacts to be significantly reduced – particularly in Hereford office with less public transport opportunities.

In the future we hope to implement further measures such as:

- Energy - The Hereford workplace is preparing to install a Mechanical Ventilation Heat Recovery unit to significantly reduce energy consumption for heating.
- Energy – We are exploring the feasibility of the premises undergoing alterations to remove gas supply and switch to an electricity-provided heating system.
- Commuting - Architype is in the process of obtaining funding via the Cycle Friendly Employer Scheme.
- Business Travel - There is the potential for Architype to obtain a second pool all electric vehicle as either a second for the more remote Hereford office, or the expanding Edinburgh studio to reduce business travel emissions.
- Teleworking - Architype are planning to provide education on how to heat the room rather than the whole house, advised on green energy tariffs, and shar tips on how to make small home improvements.

Architype are recognised pioneers of low carbon design in the UK and we adopt the Passivhaus operational energy standard for the majority of our projects. This is a proven method to close the performance gap and drive down measured carbon emissions to a minimum.

While we are committed to radically cutting our business operational emissions, we are also acutely aware of the significant emissions that result from the construction and operation of the buildings that we design.

While these emissions are technically beyond Scope 3 and not captured here, we are in the process of developing a comprehensive reporting framework that tracks the energy and carbon intensity of all our projects to enable us to set and communicate targets for the reduction of these emissions from 2023, revisit legacy projects to offer energy performance advice and drive wider industry de-carbonisation.



## 6. Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

*Signed on behalf of the Supplier:*

**Mark Barry, Director**

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