



## Carbon Reduction Plan

### Commitment to Achieving Net Zero

Bailey Instruments Ltd aim to be Net Zero for scope 1 emissions controlled directly by 2040 and for scope 2 and a subset of scope 3 emissions by 2045.

### Baseline Emissions Footprint

<u>Baseline Year: 2022</u>	
<u>Baseline Year Emissions:</u> 26.4 tonnes CO <sub>2</sub> e Carbon intensity (tonnes CO <sub>2</sub> /employees) = 1.8	
<u>EMISSIONS</u>	<u>TOTAL (tCO<sub>2</sub>e)</u>
Scope 1 <i>(Buildings)</i>	(3.7) 15439 kWh of electricity at 0.2382 kgCO <sub>2</sub> e/kWh (3.5) 18936 kWh of natural gas (0.8) 10% home working for 15 employee(s) <b>7.9 Total building emissions footprint</b>
Scope 2 <i>(Flights)</i>	(3.3) Economy class direct return flight from MAN to PHX (6.8) Economy class direct return flight from MAN to MEL (7.3) Economy class direct return flight from MAN to AKL <b>17.4 Total footprint for flights</b>
Scope 3 <i>(Cars &amp; Fuel)</i>	(0.02) 70 miles in an average petrol Car (0.04) 160 miles in an average petrol car (1.03) 3840 miles in an average diesel car <b>1.1 Total footprint for cars &amp; fuel</b>

## What we Have Done so Far

- ✓ Increased remote working options for employees
- ✓ Reduced travel through the use of virtual meetings
- ✓ Converted the office to LED lighting
- ✓ Introduced cycle to work scheme
- ✓ Switched to a renewable energy plan
- ✓ Standardised use of recycled paper

## Emissions Reduction Targets

<u>First Year Reporting Targets: 2023</u>	
<u>Total Target Emissions</u> 20.67 tonnes CO <sub>2</sub> e Carbon intensity (tonnes CO <sub>2</sub> /employees) = 1.37	
<u>EMISSIONS</u>	<u>TOTAL (tCO<sub>2</sub>e)</u>
Scope 1 <i>(Buildings)</i>	5% reduction <b>7.5 target building emissions footprint</b>
Scope 2 <i>(Flights)</i>	30% reduction <b>12.18 target footprint for flights</b>
Scope 3 <i>(Cars &amp; Fuel)</i>	10% reduction <b>0.99 target footprint for cars &amp; fuel</b>

## Our Commitments for Carbon Reduction

- ❖ Collect and monitor all the data needed to calculate emissions on a yearly basis.
- ❖ Continue to encourage the use of public transport by our workforce.
- ❖ Continue to prefer virtual meetings, both in the UK and overseas to reduce travel.
- ❖ Update our IT policy ensuring that all computer equipment is switched off when not in use.

## Declaration

*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 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 Bailey Instruments Ltd – November 2023**

*Mark Holdaway*

**Chief Executive**