

# Carbon Reduction Plan

Supplier name: Elitac BalanceBelt B.V.

Publication date: June 20, 2024

## Commitment to achieving Net Zero

**Elitac BalanceBelt** is committed to achieving Net Zero emissions by **2045**.

## 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: 2024</b>	
<p>The baseline for our emission calculations are average numbers for office employees based in The Netherlands. These are specifically defined for Scope 2 and Scope 3. We used these average numbers, and, taken into account the number of working days for our staff, calculated the CO<sub>2</sub> emission in tCO<sub>2</sub>e.</p> <p>For our product, the BalanceBelt, we have calculated the emission with a LCA method, using average values for the main aspects of the product. As our product sales will increase, the CO<sub>2</sub> emission will increase pro rate. For year 2024 we estimate to ship 200 units.</p>	
<b>Baseline year emission:</b>	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	0
Scope 2	<b>Office Energy:</b> 2.8 (fte) * 2000 (kWh) * 0.421 (Co <sub>2</sub> /kWh) = <b>2.36 tCO<sub>2</sub>e</b>
Scope3	<p><b>Commuting:</b> 2.8 (fte)*0.5 (home office) * 20 (km) * 240 (days) * 0.21 (kgCO<sub>2</sub>/km) = <b>1.40 tCO<sub>2</sub>e</b></p> <p><b>Business travel:</b> 10 *400 (km) * 0.13 (kgCO<sub>2</sub>/km) = <b>0.52 tCO<sub>2</sub>e</b></p>

	<b>Office Supplies:</b> $2.8 \text{ (fte)} * 1.5 \text{ (estimate)} = 4.2 \text{ tCO}_2\text{e}$
Scope 3 - product	We estimated the emission of our product <b>~31 kg CO<sub>2</sub>e</b>
<b>Total Emission</b>	<b>9.9 tCO<sub>2</sub>e + 0.031*[shipped units]</b>

## Current Emissions Reporting

Current year: 2024	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	0
Scope 2	<b>Office Energy:</b> $2.8 \text{ (fte)} * 2000 \text{ (kWh)} * 0.421 \text{ (Co}_2\text{/kWh)} = 2.36 \text{ tCO}_2\text{e}$
Scope3	<p><b>Commuting:</b> <math>2.8 \text{ (fte)} * 20 \text{ (km)} * 240 \text{ (days)} * 0.21 \text{ (kgCO}_2\text{/km)} = 2.8 \text{ tCO}_2\text{e}</math></p> <p><b>Business travel:</b> <math>10 * 400 \text{ (km)} * 0.13 \text{ (kgCO}_2\text{/km)} = 0.52 \text{ tCO}_2\text{e}</math></p> <p><b>Office Supplies:</b> <math>2.8 \text{ (fte)} * 1.5 \text{ (estimate)} = 4.2 \text{ tCO}_2\text{e}</math></p>
Scope 3 - product	<p>We estimate the emission of our product <b>~31 kg CO<sub>2</sub>e</b></p> <p>Products shipped in 2024: <math>200 * 31 = 0.620 \text{ tCO}_2\text{e}</math></p>
<b>Total Emission</b>	<b>10.5 tCO<sub>2</sub>e</b>

## Emissions reduction targets

As our organisation is planned to expand both in workforce and in activity, we will not likely be able to reduce our total carbon footprint in the coming 5 years. However, we will implement reduction targets the Carbon Emission per employee. In the subsequent (growing) years, the total emission has to reduce to zero, despite the growing staff.

We project that carbon emissions per employee (fte) will decrease over the next five years to **2.6 tCO<sub>2</sub>e** per employee per year by 2029. **This is a reduction of 26%**

Progress against these targets (**per employee**) can be seen in the Table below:

Year/scope	2024	2025	2026	2027	2028	2029
Office Energy	0.84	0.84	0.7	0.7	0.7	0.7
Commuting	1.004	0.8	0.8	0.8	0.8	0.8
Business travel	0.19	0.15	0.12	0.1	0.1	0.1
Office Supplies	1.5	1.4	1.3	1.2	1.1	1
<b>Total</b>	<b>3.534</b>	<b>3.19</b>	<b>2.92</b>	<b>2.8</b>	<b>2.7</b>	<b>2.6</b>

For our **product** the BalanceBelt we foresee the following reduction (per product) from 31 kg CO<sub>2</sub>e to 13.1 kg CO<sub>2</sub>e. This is a reduction of **58%**

Year/scope	2024	2025	2026	2027	2028	2029
Production	27	12	12	12	10	10
Usage	1.5	1.5	1.3	1.2	1.2	1.2
End of life disposal	1.5	1.5	1.2	1.2	1.2	1.2
Transport	1	0.7	0.7	0.7	0.7	0.7
<b>Total</b>	<b>31</b>	<b>15.7</b>	<b>15.2</b>	<b>15.1</b>	<b>13.1</b>	<b>13.1</b>

## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

No Carbon Reduction Initiatives have been deployed to date

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

- New version of the BalanceBelt, with greatly reduced microprocessors

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- New office in 2026 with less energy consumption
- Downscaling commuting by more home-office work and biking
- The average Business travel will go down as the amount of employees will increase and not all staff will travel
- We will have a closer yearly look at our office supplies to decrease the CO2 emission in this section.

## 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<sup>2</sup>

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<sup>3</sup>

This Carbon Reduction Plan has been reviewed and signed off by the CEO

Date: June 20, 2024



Mr. Simon Reinier Klarenbeek, CEO