

Carbon reduction plan

PPN 006 (06/21) compliant



Reporting company
JenaValve Production Limited

Assessment year
Jan 2024 - Dec 2024

Publication date
Jan 26, 2026

Commitment to achieving Net Zero

2045 JenaValve Production Limited is committed to achieving Net Zero emissions by 2045. We have set this target in accordance with the SBTi's Corporate Net Zero standard.

Baseline emissions

This section outlines emissions in our baseline year

Baseline year

Jan 2024 - Dec 2024

Additional details

Our baseline year is the period from Jan-24 to Dec-24. This year was the first year in which we completed a fully-compliant, comprehensive footprint covering all areas of Scope 1, 2 and 3, with the support of a third-party (Seedling).

As a result, this forms our baseline from which future progress can be measured consistently.

Baseline year emissions

Emission category	Total (t CO2e)	Additional details
Scope 1	45.08 t CO2e	Gas combustion at our facility and emissions from company vehicles
Scope 2	66.43 t CO2e	Electricity use at our facility
Scope 3 (required)	180.64 t CO2e	See below
Total (required)	292.15 t CO2e	

Required Scope 3

Emission category	Total (t CO2e)	Additional details
3.4 Transportation and distribution (upstream)	56.42 t CO2e	Shipping and warehousing
3.5 Waste generated in operations	40.77 t CO2e	Waste collection and general waste from our facility
3.6 Business travel	4.53 t CO2e	Train fares to business meetings
3.7 Employee commuting and remote working	78.92 t CO2e	Primarily car use by employees for commuting
3.9 Transportation and distribution (downstream)	0 t CO2e	n/a - no downstream transport and distribution

Emission reduction targets

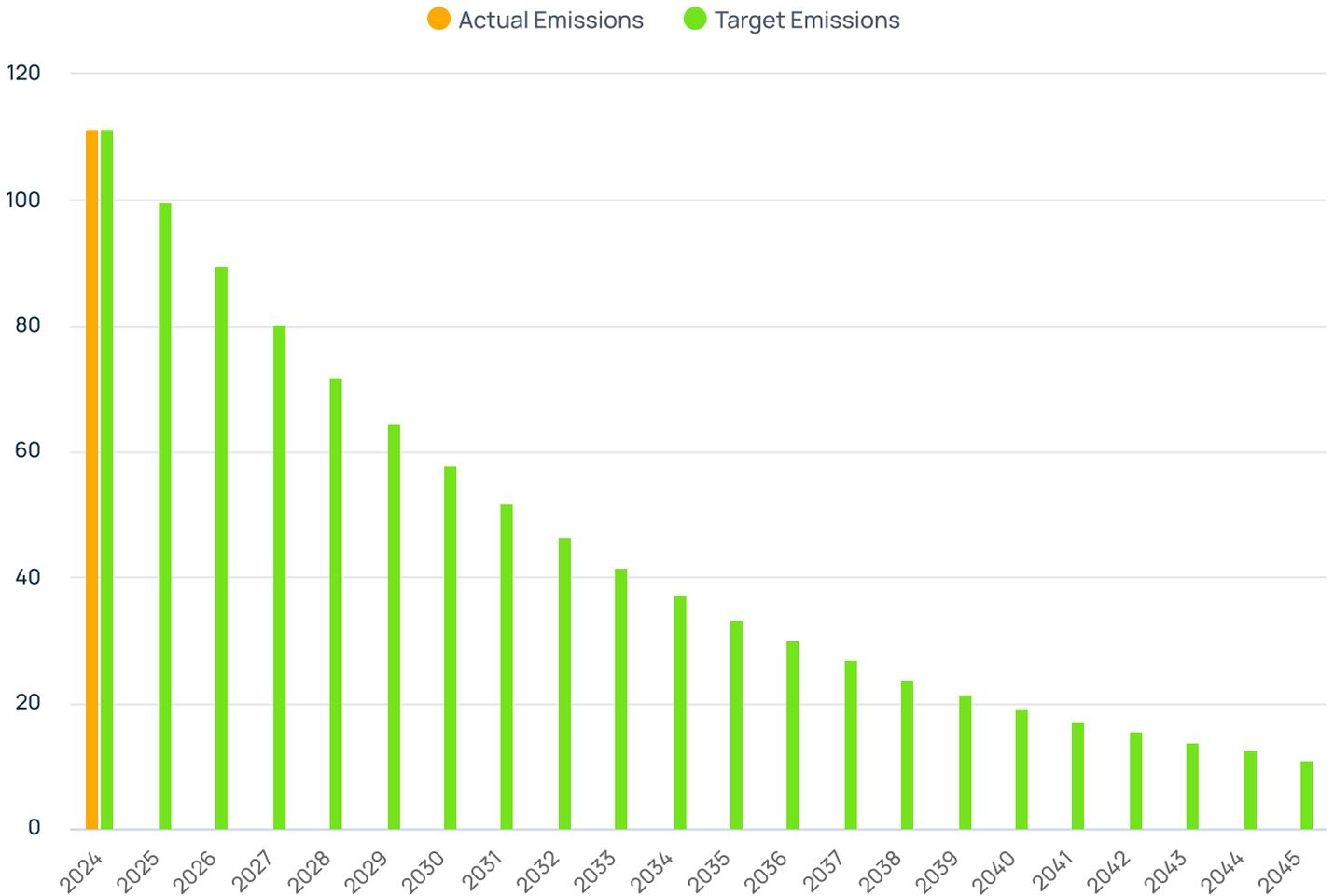
This section outlines our emission reduction targets and progress to date

Our targets

In line with the SBTi Corporate Net Zero standard, we are targeting a 90% reduction in our Scope 1 and 2 emissions (with the remainder being offset). This is a science-based target which aligns to the global goal to limit global warming to 1.5oC. In order to reach this goal, we track our progress against the annual reduction required to stay on the pathway to Net Zero. This is presented in the graph below.

Understanding that the majority of our emissions often lie within Scope 3, we are also taking significant steps to address Scope 3 emissions. These emissions are inherently more complex to manage. In response, the company has adopted a Scope 3 emissions intensity target, measured on a per-employee basis. This approach allows us to monitor and reduce emissions relative to organisational growth, encouraging smarter operational practices even as the workforce expands.

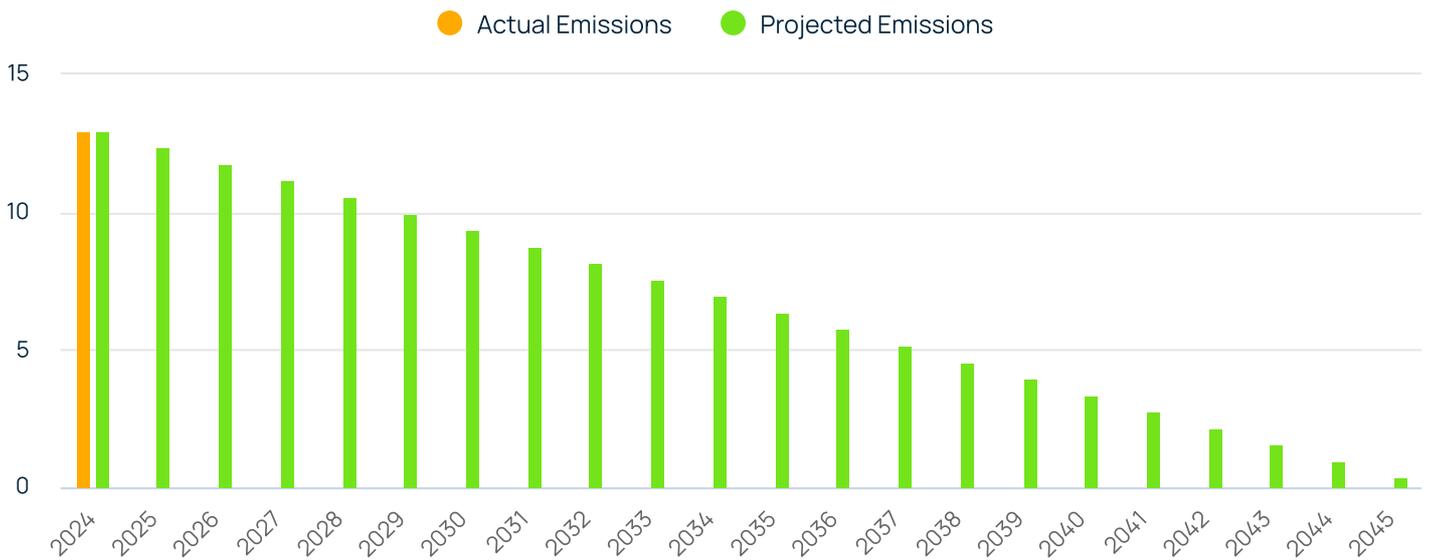
SBTI Net-Zero target



SBTi near-term target



Scope 3 intensity target (Per employee)



Carbon reduction projects

Our plan for reaching net-zero

These measures will be in effect when performing the contract:

Implemented initiatives

Recycle food waste

Prioritise railway travel for business meetings

Upgrade Cleanroom Fan Filter Units to reduce constant electrical load

Install LED lighting throughout whole site

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

Planned initiatives

Work with medical, scientific and technical service suppliers to measure and reduce their emissions

Explore the possibility of providing electricity requirements via installation of solar panels

Conduct annual energy efficiency audits at our facility

Reduce general office waste by recycling more and improving visibility of impact

Improve on the accuracy of our carbon footprint by:

- Adding specific materials and weights purchased for all metal fabricated products
- Adding improved data on transport and distribution such as average distance travelled, average weight of shipment and type of transport used

Explore switching diesel / petrol vans to electric

Analyse electrical energy usage by gaining access to 24hr+ data as a minimum

Fully localise autoclaving processes by:

- Investing in suitable in-house autoclave(s)
- Transferring processes at external providers back into the Production Facility

Convert 'General Production' data from financial to activity based in order to define CO2 reduction opportunities

Set back hot water heating out of hours to reduce gas consumption

Set back cleanroom air exchanges out of hours to reduce electrical consumption

Set back HVAC temperature controls out of hours to reduce gas consumption

Declaration

This Carbon Reduction Plan has been completed in accordance with PPN 006 (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 JenaValve Production Limited:

A handwritten signature in black ink, appearing to read 'J Molyneux', is displayed within a white rectangular box.

Name and position

John Molyneux, Vice President, Operations

Date

January 26, 2026