

## Carbon Reduction Plan

Rhizome Energy Ltd

09 Dec 2025

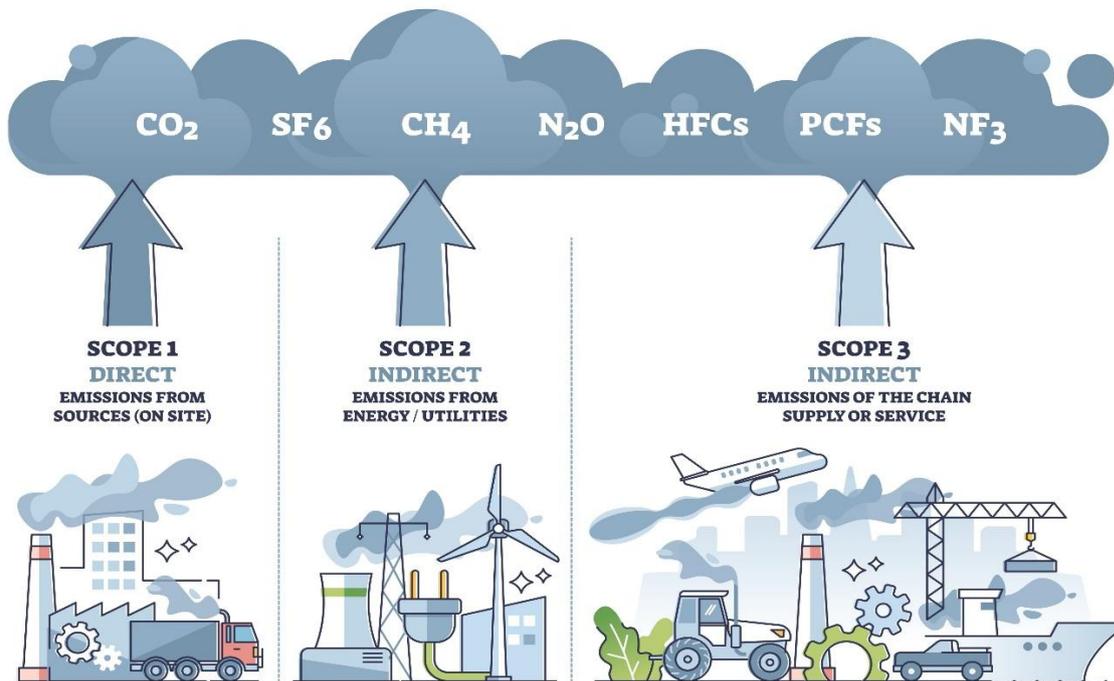
**Rhizome Energy Ltd** is committed to achieving Net Zero emissions by **2050**.

### Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases 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.

Rhizome Energy Limited is an engineering consultancy company, hence don't have any direct emissions under scope 1. Only scope 2 & 3 indirect emissions are applicable.

# SCOPES OF EMISSIONS



**Baseline Year: 2022**

**Additional Details relating to the Baseline Emissions calculations:** 2022 serves as our historic baseline. Rhizome Energy Ltd has calculated these figures in alignment with the GHG Reporting Protocol. As an SME, we have included the five mandatory Scope 3 categories (Upstream/Downstream Transport, Waste, Business Travel, and Commuting) to ensure full compliance with PPN 06/21.

EMISSIONS	TOTAL (tCO2e)
Scope 1	0.00
Scope 2	4.50
Scope 3 (Included Sources)	12.20
<b>Total Emissions</b>	<b>16.70</b>

**Current Emissions Reporting**

**Reporting Year: 2025**

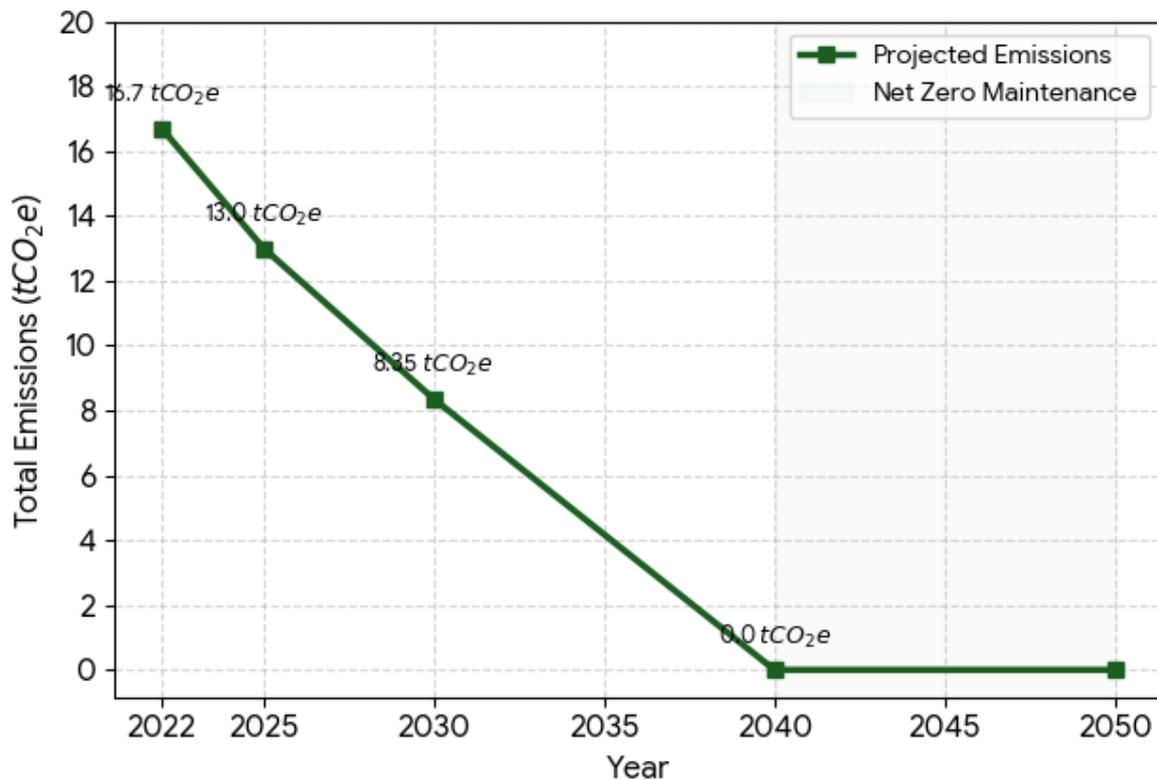
EMISSIONS	TOTAL (tCO2e)
Scope 1	0.00
Scope 2	3.20
Scope 3 (Included Sources)	9.80
<b>Total Emissions</b>	<b>13.00</b>

**Scope 3 Included Sources:** \* Upstream transportation and distribution

- Waste generated in operations
- Business travel
- Employee commuting
- Downstream transportation and distribution

## Emissions Reduction Targets

Rhizome Energy Ltd: Carbon Reduction Roadmap (2022-2050)



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures have been implemented since the 2022 baseline. The reductions achieved equate to 3.70 tCO<sub>2</sub>e, a 22% reduction against the 2022 baseline:

- **ISO 14001 Integration:** Full environmental management of our Dartford operations.
- **Company Vehicle :** Switched to Hybrid Electric Vehicle.
- **Virtual Site Visits:** Implementation of VR/Digital Twin tools for hydrogen skid inspection, reducing travel by 30%.
- **Staff Travel:** Staff members are allowed to work from home 2 days a week.

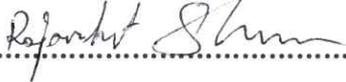
## Future Measures

- **Hydrogen and/ or Battery Electric Fleet:** Piloting a hydrogen fuel cell vehicle or Battery Electric Vehicle for site-based engineering works by 2028.
  - **Supply Chain Audit:** Implementing a "Carbon Scorecard" for all Tier 2 fabrication partners.
- 

## Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance. Reporting has been recorded in accordance with the GHG Reporting Protocol and uses 2025 Government emission conversion factors.

### Signed on behalf of the Supplier:

  
.....

**Position:** Director

**Date:** 09 Dec 2025