

Net-Zero 2050

24/7 SERVICE &
MAINTENANCE

HVAC &
ELECTRICAL
PROJECTS

MECHANICAL &
ELECTRICAL OFF-SITE
FABRICATIONS

COMMERCIAL &
INDUSTRIAL
LIGHTING

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With Us**

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PURPOSE & COMMITMENT

As a purpose-driven engineering business and Certified B Corp, we are committed to achieving Net Zero carbon emissions by 2050 while delivering safe, compliant and best-in-class building services engineering. Our approach reflects our belief that engineering should strengthen communities, protect the planet, and create long-term value for all stakeholders, not just shareholders.

This plan outlines a staged, credible pathway covering our operational emissions, value chain, and client-influenced impacts, underpinned by transparent ESG reporting and continuous improvement through active carbon monitoring.



NET ZERO BOUNDARY & EMISSIONS SCOPE

**OUR COMMITMENT COVERS ALL
MATERIAL EMISSIONS CONSISTENT
WITH THE GHG PROTOCOL:**

SCOPE 1 – DIRECT EMISSIONS

- Fuel used by company-owned vans and fleet.
- Fuel used in the onsite plant and equipment.
- Refrigerant leakage from air conditioning systems under our control.

SCOPE 2 – INDIRECT ENERGY EMISSIONS

- Electricity used in offices, workshops and operational facilities.

SCOPE 3 – VALUE CHAIN EMISSIONS

- Purchased materials, equipment and building services components.
- Subcontractor activities.
- Waste generation and disposal.
- Business travel and employee commuting.
- Emissions influenced by our design, installation, and engineering decisions for clients.

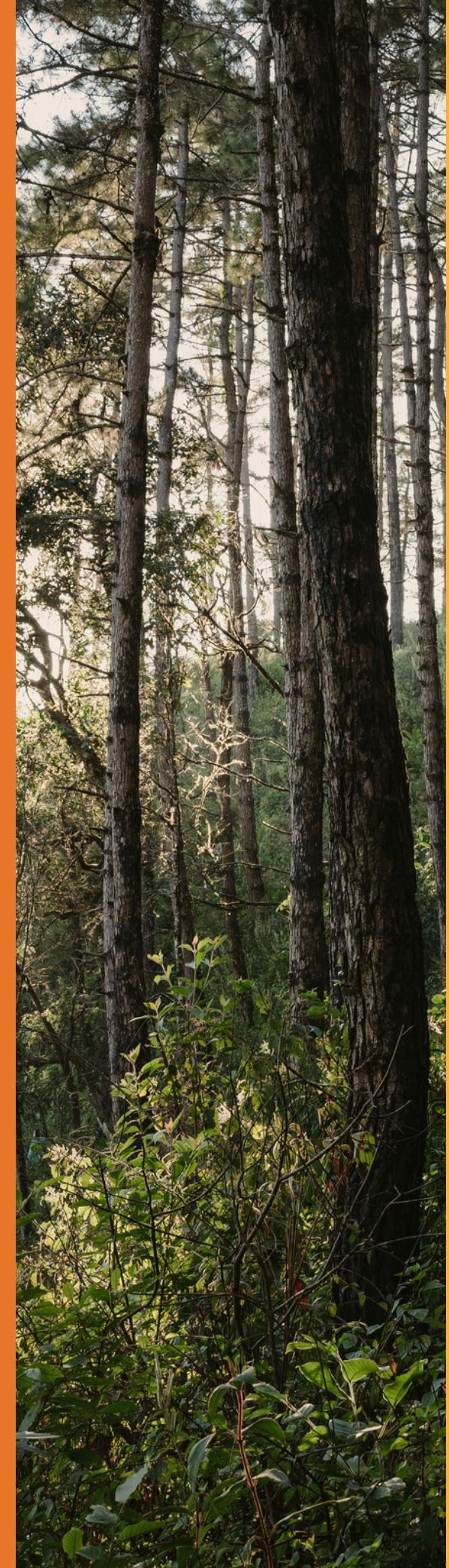
This reflects B-engineering's emphasis on responsible procurement, reduced resource use, and a circular economy mindset.



Baseline & Measurement (2025–2026) UPGRADE

ACTIONS

- Establish a full carbon baseline using our carbon management software, “Greenly”.
- Collect detailed operational and supply chain emissions data.
- Capture fleet mileage, fuel use, refrigerants and procurement data.
- Adopt an active, software-based carbon monitoring system, aligned with B-engineering’s ongoing ESG tracking approach.
- Select a carbon accounting tool appropriate for construction and building services.
- Verified baseline year (2025)
- Annual tCO₂e footprint across Scopes 1, 2 and key Scope 3 categories



CARBON REDUCTION STRATEGY

4.1 SCOPE 1 – FLEET & DIRECT EMISSIONS

SHORT TERM (2025–2030)

- Transition to electric company cars and where viable, electric vans.
- Introduce telematics and driver efficiency training via our CAFM software, Big Change.
- Offer salary sacrifice for staff for electric cars.
- Improve refrigerant management through leak detection and low-GWP alternatives via our in house AC Department.

MEDIUM TERM (2030–2040)

- Majority electric fleet.
- All of our premises' EPCs have been upgraded to an EPC B or better.
- Trial alternative fuels or an electric plant for heavier vehicles.
- Complete phase-out of high-GWP refrigerants.

LONG TERM (2040–2050)

- Fully zero-emission fleet where technology allows.
- Residual direct emissions are reduced to near-zero.
- This mirrors B-engineering's emphasis on responsible travel choices and CO₂ reduction through operational behaviour.



4.2 SCOPE 2 – ENERGY USE IN BUILDINGS

ACTIONS

- Procure 100% renewable electricity for all operational sites.
- Improve building efficiency through LED lighting, smart controls, insulation upgrades.
- Install rooftop solar PV where viable.

TARGET

- Net Zero Scope 2 emissions by 2030

These actions support B-engineering's stated drive to reduce energy use and embed efficient behaviours across facilities.

4.3 SCOPE 3 – SUPPLY CHAIN & PROJECTS

Scope 3 is the largest impact area and aligns closely with B-engineering's focus on circular economy, responsible procurement, and reducing waste.

KEY FOCUS AREA

- Ethical procurement
- Low-carbon material and equipment selection
- Waste minimisation
- Subcontractor sustainability standards
- Design decisions influencing whole-life carbon

ACTIONS

- Prioritise suppliers with Environmental Product Declarations and Net Zero targets.
- Specify an energy-efficient, low-carbon plant as standard.
- Increase refurbishment and optimisation over replacement
- Expand off-site fabrication to reduce waste.
- Require subcontractors to meet minimum environmental/ESG standards.
- Prefer local suppliers to reduce carbon emission numbers.

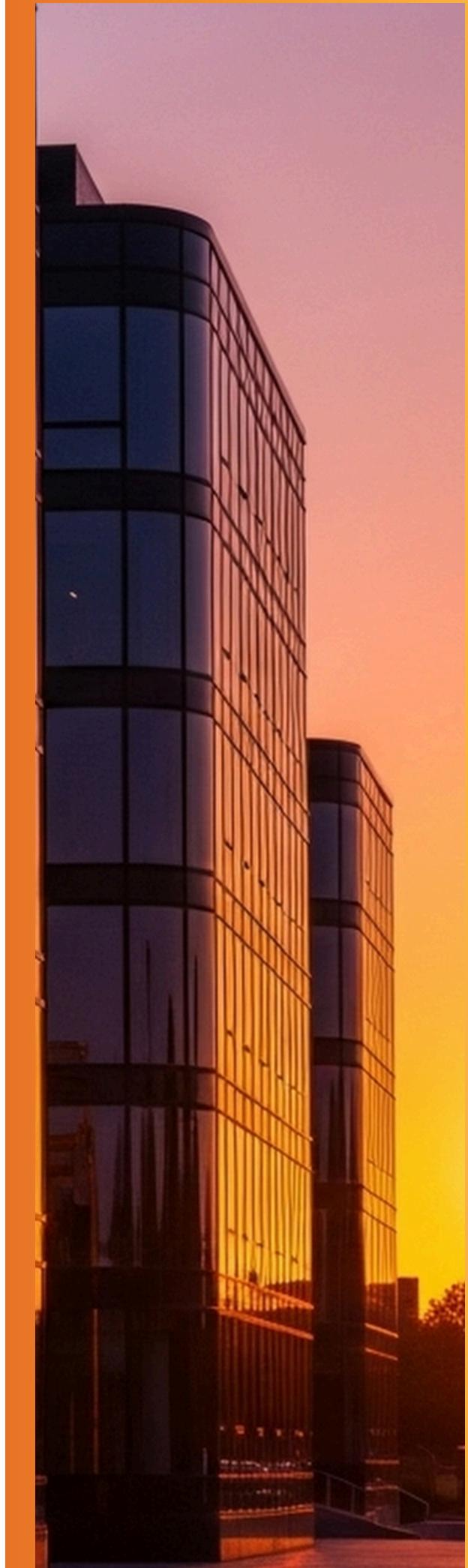
CLIENT & ENGINEERING-LED IMPACT

B-ENG, A BUILDING SERVICES ENGINEERING BUSINESS, OUR LARGEST INDIRECT IMPACT STEMS FROM CLIENT BUILDINGS.

COMMITMENTS

- Advocate for energy efficiency, electrification and smart controls in all designs.
- Support clients with:
 - Low-carbon heating (e.g., heat pumps)
 - Boiler and plant replacement strategies
 - BMS optimisation and monitoring
 - F-Gas compliance and refrigerant transition.

This aligns with B-engineering's belief that engineering should positively impact people, buildings and communities—balancing performance with environmental stewardship



OFFSETTING & RESIDUAL EMISSIONS

- Offsetting will not be used as a primary measure.
- Only unavoidable, verified residual emissions will be offset.
- Preference for high-quality, UK-based offsets.
- Offset requirements decrease as absolute emissions reduce

GOVERNANCE & ACCOUNTABILITY

- Appoint a Net Zero Lead responsible for coordination and delivery
- Integrate carbon reduction into procurement, project reviews and company strategy.
- Use active monitoring tools aligned with B-engineering's ESG reporting software.
- Annual performance review and continuous improvement.
- Oversight from senior leadership





TARGETS & MILESTONES

2050

NET ZERO ACROSS
ALL SCOPES

2040

DEEP SCOPE 3 REDUCTIONS
EMBEDDED

2035

MAJORITY
LOW/ZERO-EMISSION FLEET

2030

NET ZERO SCOPE 2;
50% REDUCTION IN SCOPE 1

2026

CARBON BASELINE PUBLISHED

THESE MILESTONES COMPLEMENT B-ENGINEERING'S LONG-TERM VISION OF
SUSTAINABILITY AND ENVIRONMENTAL RESPONSIBILITY

REPORTING & TRANSPARENCY



ANNUAL CARBON FOOTPRINT REPORTING

PUBLIC ESG UPDATES CONSISTENT WITH B-CORP STANDARDS



TRANSPARENT COMMUNICATION WITH STAFF, CLIENTS AND COMMUNITY PARTNERS



OPEN DATA SHARING APPROACH ALIGNED WITH B-ENGINEERING'S COMMITMENT TO ACCOUNTABILITY AND POSITIVE SOCIAL IMPACT

SUMMARY

By combining carbon-conscious design, responsible procurement, ESG-driven decision-making and transparent reporting, we aim to deliver measurable decarbonisation while helping our people, clients and communities transition to a resilient, low-carbon future.

24/7 SERVICE & MAINTENANCE | HVAC & ELECTRICAL PROJECTS | OFF-SITE FABRICATION | LIGHTING | MECHANICAL



UNLOCK YOUR SAVINGS AND GO GREEN!

Call us now for your **FREE** consultation and discover how we can help you save money while decarbonising.

Don't miss out on this opportunity to make a difference!