

Carbon Reduction Plan

By Light Technologies Ltd. — Cabinet Office PPN 06/21 Compliance Document

Supplier Name:	By Light Technologies Ltd.
UK Head Office:	Building A2, Cody Technology Park, Ively Road, Farnborough, Hampshire, GU14 0LX
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1. COMMITMENT TO ACHIEVING NET ZERO

By Light Technologies Ltd. is committed to achieving Net Zero greenhouse gas emissions across all operational scopes by 2040 (10 years ahead of the UK Government target of 2050).

2. BASELINE & CURRENT EMISSIONS FOOTPRINT

Emissions have been evaluated and reported in accordance with the GHG Protocol Corporate Accounting Standard and PPN 06/21 Technical Standard guidance. The Scope 3 reporting encompasses all 5 mandatory categories: Upstream Transportation & Distribution, Waste Generated in Operations, Business Travel, Employee Commuting & Remote Homeworking Energy, and Downstream Transportation & Distribution.

Baseline Year: FY 2024–2025

EMISSIONS CATEGORY	TOTAL (TCO ₂ E)
Scope 1 (Direct Gas / Heating & Owned Fleet)	0.0
Scope 2 (Purchased Electricity & Shared Estate Services - Sub-metered)	3.5
Scope 3 (Mandatory PPN 06/21 Subsets)	18.2
Category 4: Upstream Transportation & Distribution	1.5
Category 5: Waste Generated in Operations	2.0
Category 6: Business Travel (Rail, Air, Road)	6.5
Category 7: Employee Commuting & Remote Homeworking Energy	8.2
Category 9: Downstream Transportation & Distribution	0.0
Total Baseline Footprint (FY 2024–2025)	21.7 tCO ₂ e

Current Reporting Year: FY 2025–2026

EMISSIONS CATEGORY	TOTAL (TCO ₂ E)
Scope 1	0.0
Scope 2 (Purchased Electricity)	2.8
Scope 3 (Mandatory PPN 06/21 Subsets)	15.1
Category 4: Upstream Transportation & Distribution	1.2
Category 5: Waste Generated in Operations	1.7

EMISSIONS CATEGORY	TOTAL (tCO ₂ e)
Category 6: Business Travel	5.2
Category 7: Employee Commuting & Remote Homeworking Energy	7.0
Category 9: Downstream Transportation & Distribution	0.0
Total Current Footprint (FY 2025–2026)	17.9 tCO₂e

3. EMISSIONS REDUCTION TARGETS

To maintain progress toward Net Zero, By Light Technologies Ltd. projects that annual carbon emissions will decrease to **10.5 tCO₂e** by **2030**, representing a total reduction of **51.6%** against our baseline.

Baseline (2024/25)	Current (2025/26)	Target (2028)	Target (2030)	Target (2040)
21.7 tCO ₂ e	17.9 tCO ₂ e	13.5 tCO ₂ e	10.5 tCO₂e (-51.6%)	0.0 tCO₂e (Net Zero)

4. CARBON REDUCTION PROJECTS & INITIATIVES

A. Completed Environmental Management Measures & Site Initiatives

- **Cody Technology Park Shared Estate Integration:** Fully integrated our UK office operations into Cody Technology Park's central waste management framework, ensuring zero commercial waste directly to landfill and utilizing estate-wide segregation for paper, dry recyclables, and WEEE scrap.
- **Hybrid Work Framework:** Implemented a structured remote/hybrid work policy, reducing commute frequency by over 60% per employee per year compared to standard full-time office occupancy.
- **Digital-First Technical Deliverables:** Transitioned all defense simulation modeling, cyber range delivery, and software documentation to 100% cloud-hosted platforms, eliminating physical media, manual transport, and paper consumption.
- **Energy-Efficient Office Setup:** Equipped our local suite at Cody Technology Park with sub-metering, low-power LED lighting, and automatic sleep configurations across all local server racks and workstation hardware.

B. Planned Initiatives (2026–2030)

- **Park EV Charging & Green Travel:** Actively encourage staff to utilize Cody Technology Park's expanding EV charging hub and local Farnborough public transport links for required office and client site visits.
- **Green Cloud Infrastructure:** Migrate and host all software development environments, cyber ranges, and simulation systems on cloud data centers powered by 100% renewable energy (AWS / Azure UK Net Zero regions).
- **Business Travel Hierarchy:** Enforce mandatory rail travel for domestic UK journeys over short-haul flights and prioritize virtual collaboration tools for routine MOD technical reviews and administrative meetings.
- **Sustainable Remote Homeworking:** Supply remote employees with energy-efficiency toolkits, smart heating control guidance, and incentives for switching to green electricity tariffs.
- **Circular IT Hardware Lifecycle:** Extend hardware replacement cycles to 4+ years and route 100% of decommissioned devices through certified circular recycling schemes (WEEE compliance).

5. MANDATORY 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 calculated in accordance with the GHG Protocol Corporate Accounting and Reporting Standard and land-use emissions have been calculated in accordance with UK Government Conversion Factors for 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 GHG Protocol Corporate Value Chain (Scope 3) Standard for the required 5 categories.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of By Light Technologies Ltd.:

On File

01 August 2026

Signature

Date

Name: Sanjay Khetia

Position: Director / UK Country Lead

MOD Submission Note: To satisfy Procurement Policy Note 06/21 tender requirements, ensure this document is signed, dated within 12 months of tender submission, and published on By Light's public website.