

Carbon Reduction Plan (CRP)

Bidding entity: Kensington Systems Ltd t/a Solspan UK
Registered address: 42–46 Lodge Causeway, Bristol, BS16 3JB
Company number: 07123875
Plan version: v1.1
Date: 29 August 2025

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and the *Technical Standard for the Completion of Carbon Reduction Plans*. Emissions have been reported using the GHG Protocol Corporate Standard and UK Government GHG Conversion Factors. Where applicable, Scope 2 has been reported on a market-based basis with location-based values referenced.

1) Commitment to Achieve Net Zero

Solspan UK commits to achieving **Net Zero greenhouse gas emissions by 2050 at the latest** for operations within the organisational boundary defined in Section 2.

2) Organisational Boundary, Scope & Reporting Period

- Organisational boundary:** Operational control over Kensington Systems Ltd’s UK operations at **42–46 Lodge Causeway, Bristol, BS16 3JB** (trading as Solspan UK), including offices, warehouse/yard, site operations and company vehicles/plant. Subsidiaries included: N/A.
- Reporting period (most recent year): 1 Jan–31 Dec 2024**
- Baseline year: 2023** (see Section 4).
- GHGs covered:** CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃ (reported as tCO₂e).

3) Current Emissions (Most Recent Reporting Year)

Total gross emissions (market-based): 31.2 tCO₂e
Location-based total (for reference): 30.1 tCO₂e

Scope	Source category	tCO ₂ e	Method / key assumptions
Scope 1	Gas/oil for heating	0.7	Gas invoices & meter data (Planet Mark YE2024)
	Company-owned/leased vehicles (diesel)	20.8	Fuel/mileage records (fleet diesel)
	Site plant & generators	n/a	Not separately measured in YE2024 (included in fleet where applicable)

Scope	Source category	tCO ₂ e	Method / key assumptions
Scope 2	Purchased electricity (market-based)	6.0	Supplier fuel mix / market-based factor
	Purchased electricity (location-based)*	4.9	UK grid factor (reference only)
Scope 3 (required subset)	4. Upstream transportation & distribution	n/q	Not currently quantified; plan to include from YE2025
	5. Waste generated in operations	0.1	Waste tonnage by route
	6. Business travel	3.0	Mode-mix: diesel car, rail, air, taxi, PHEV
	7. Employee commuting	n/q	Partial homeworking data only in 2024; commuting survey to be added
	9. Downstream transportation & distribution	n/q	Not currently applicable/quantified; to review in 2025

*Location-based Scope 2 shown for transparency; market-based value used as headline under GHG Protocol.

Other Scope 3 measured (for transparency): Electricity transmission & distribution losses **0.4 tCO₂e**; Water supply & treatment **0.1 tCO₂e**; Paper procurement **0.1 tCO₂e**.

4) Baseline Emissions Footprint

Baseline year: 2023

Total gross baseline emissions (market-based): 38.4 tCO₂e

Scope	Source category	tCO ₂ e	Notes
Scope 1	Stationary combustion (natural gas)	3.6	Heating fuel
	Mobile combustion (fleet diesel)	11.4	Company fleet
Scope 2	Electricity (market-based)	4.8	Supplier/tariff-specific factor
Scope 3 (required subset)	Upstream T&D (Cat.4)	n/q	Not quantified in 2023
	Waste in operations (Cat.5)	0.5	Waste contractor data

Scope	Source category	tCO ₂ e	Notes
	Business travel (Cat.6)	17.7	Includes fuel, air, rail, taxi
	Employee commuting (Cat.7)	n/q	Not quantified in 2023
	Downstream T&D (Cat.9)	n/q	Not quantified in 2023

Base year recalculation policy: Recalculate if structural changes >5% impact on total footprint (e.g., acquisitions/divestments, methodology changes).

5) Targets & Trajectory

- **Planet Mark recertification target:** Annual **5% reduction in Scope 1 & 2** emissions year-on-year from Year 3 of certification.
- **Near-term (by 2030):** Reduce **Scope 1+2** emissions by **50%** vs 2023 baseline; reduce required **Scope 3 subset** by **30%** (add Cat.4,7,9 to boundary by YE2025).
- **Medium-term (by 2035/2040):** Reduce **Scope 1+2** by **90%**; **Scope 3 required subset** by **60–80%**.
- **Net Zero:** Residual emissions **≤10% of baseline** to be neutralised via high-quality, verifiable removals **only after** deep reductions.
- **Intensity metrics (2024 actuals):**
 - **3.0 tCO₂e per employee** (market-based)
 - **9.8 tCO₂e per £m revenue** (market-based)
 - tCO₂e per **MWp of PV/carports installed** – *to be tracked from 2025*
 - tCO₂e per **tonne of steelwork fabricated** – *to be tracked from 2025*

6) Carbon Reduction Measures

6.1 Measures implemented to date

- Switched office/yard electricity to market-based reporting; supplier fuel mix applied; location-based disclosed for transparency.
- **Fleet optimisation:** route planning, driver training, idle reduction; increased use of PHEV/low-emission vehicles for business travel and commuting where feasible.
- **Travel policy:** rail-first for domestic trips; economy class default for air; virtual-first meetings.
- **Waste & materials:** segregation at yards and sites; aluminium and steel off-cut recovery; packaging take-back; significant reduction in waste emissions since 2023. Zero waste to landfill.

- **Supplier standards:** supplier code referencing ethical sourcing of PV modules/inverters; preference for EPD-backed products and low-embodied-carbon steel.
- **ISO 9001** (quality) certified (UK/QMS101004, Re-Issued 15/04/2025)

6.2 Measures planned (next 12–36 months)

- **Fleet & plant:**
 - Replace 30% of vehicle fleet with EVs or PHEVs by 2028; install chargers at our premises.
- **Energy:**
 - Explore ISO 140001 feasibility.
- **Logistics:**
 - Consolidate deliveries as much as possible; shift freight to rail/sea where practical; require telematics data for emissions.
- **Materials & design:**
 - Optimise carport designs for material efficiency (section optimisation, higher recycled content steel, cold-rolled steel vs hot-rolled steel, bolted vs welded and where lower energy); standardise low-carbon concrete mixes; require EN 15804+A2 EPDs for major materials.
 - Expand our range of low-carbon products, including sustainably sourced timber designs
- **Waste:**
 - Site resource management plans; pre-cut fabrication to minimise off-cuts; PV module take-back arrangements; recycle packaging.
- **Business travel & commuting:**
 - Hybrid working; salary-sacrifice EV scheme; season tickets & cycle-to-work; charge for airport parking to discourage flights; car-share app. Encourage rail card purchase to make train travel more effective
- **Data & verification:**
 - Implement monthly energy & fuel data capture, automate through finance/telematics; annual third-party limited assurance on footprint (ISO 14064-3).

6.3 Contract-specific measures (ready for inclusion where requested)

For each call-off/contract, Solspan UK can provide a **Contract GHG Emissions Baseline** and a **GHG Emissions Reduction Plan** including:

- Forecast logistics emissions and reduction actions (vehicle standards, load factors, consolidation).

- Site energy plan (temporary power, no-idle policy, battery/solar gensets).
 - Materials plan (EPDs, recycled content targets, cut/waste factors).
 - Reporting cadence (monthly/quarterly) and KPIs aligned to the Authority's requirements.
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7) Governance, Roles & Responsibilities

- **Board oversight:** The Board receives quarterly sustainability updates; climate risks/opportunities integrated into risk register.
 - **Senior Responsible Owner:** Charmaine Pullen, Finance & Compliance – accountable for delivery of this CRP.
 - **Carbon team:** Charmaine Pullen, Sheldon Huntley, Clifford Huntley – responsible for data, delivery and reporting.
 - **Data quality:** Planet Mark data quality score **18/20 (Scope 1&2)** and **15/20 (Scope 3)** for YE2024, with improvement actions identified.
 - **Training:** Annual staff training on environmental awareness, logistics emissions and site energy efficiency.
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8) Data Sources, Methodology & Quality

- **Activity data:** Energy bills/meters, fuel cards & mileage reports, waste transfer notes, travel expenses/booking data, HR headcount & (from 2025) commuting survey, third-party freight data.
 - **Emission factors:** DESNZ/UK Government GHG Conversion Factors **2024**.
 - **Methodology:** GHG Protocol Corporate Standard; market-based Scope 2 with disclosure of location-based value.
 - **Independent programme:** Planet Mark Business Certification (YE2024 report used as primary source).
 - **Materiality & estimates:** Where primary data is not available, robust estimates used (clearly marked) with plan to replace with primary data within 12 months.
 - **Data quality rating (YE2024):** Scope 1&2 **18/20**; Scope 3 **15/20** with actions to improve commuting & freight data collection.
 - **Rebaselining:** See policy in Section 4.
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9) Publication & Review

- **Website publication URL:** <https://www.solspan.co.uk/policies/carbon-reduction-plan>
- **Update cycle:** Reviewed annually and **within 6 months** of financial year-end (most recent data year: **2024**).

- **Contact:** administration@kensingtonsystems.co.uk | 0117 205 2815

10) Declaration and Sign-off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and the associated Technical Standard for the Completion of Carbon Reduction Plans. Emissions have been reported and recorded in accordance with the GHG Protocol Corporate Standard and the appropriate UK Government emission conversion factors for company reporting. Scope 1 and Scope 2 emissions have been reported, along with the required subset of Scope 3 emissions: upstream transportation & distribution; waste generated in operations; business travel; employee commuting; downstream transportation & distribution. Solspan UK commits to achieving Net Zero by 2050 and to updating this plan annually.

Signed on behalf of Solspan UK Ltd

Name: _Clifford Huntley_____

Role/Board position: _Director____

Date: _10.09.2025_____

Signature:



11) Version Control

Version	Date	Author	Key changes
v1.0	29.08.25	Cassia Huntley	First publication

Appendix A – Calculation Notes & Assumptions (example placeholders)

- **Fleet:** Fuel (litres) from fuel card statements; DEFRA factors by fuel type; separate HVO, if used, disclosed with sustainability certification.
- **Site plant:** Red diesel consumption estimated from hire records and run hours.
- **Electricity:** Supplier statements; REGO-backed contracts named; location-based grid factor disclosed.
- **Waste:** Tonnage by EWC code and treatment route; WEEE scheme data for PV modules and inverters.
- **Freight:** Tonnes-km by mode from hauliers; sea/rail where applicable.
- **Business travel:** Rail/air miles by class; hotels by nights and country.
- **Commuting:** Annual HR survey with mode split; teleworking days recorded.

Appendix B – Solar Carport Project Carbon Method Statement (template)

Use this on bids/call-offs to align with contract-specific decarbonisation terms:

1. **Project boundary & baseline (contract level)** – expected site duration, deliveries, plant list, energy sources.
2. **Emissions hotspots** – transport of steel and modules; site power; waste; on-site lifting.
3. **Reduction actions & targets** – EV/HVO* haulage where available, consolidation, battery/solar gensets, low-carbon materials, off-site fabrication to reduce cuts, modularisation.
4. **KPIs & reporting** – monthly tCO₂e, litres fuel, kWh temporary power, waste % recycled, deliveries by Euro class, missed-idle events.
5. **Handover** – EPDs, recycled content evidence, waste transfer notes, lessons learned.

*Note: Only use HVO with robust sustainability certification and where it delivers genuine lifecycle benefits; prefer electrification first.