

CarbonTrack

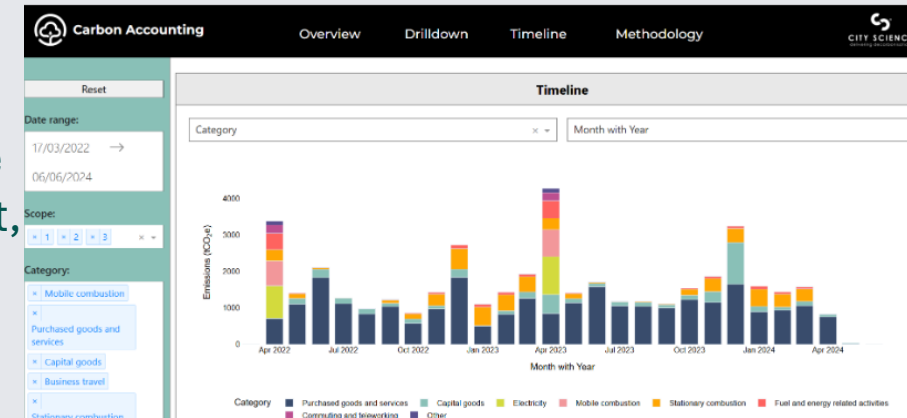
Service Definition Document

ORGANISATIONAL DECARBONISATION FOR THE PUBLIC SECTOR

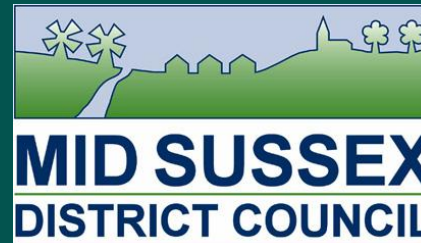
To lead the public sector's transition to net zero through **rigorous carbon accounting** and **data-driven supply chain decarbonisation**.

The Emissions reduction tool local authorities are using to measure what matters most

Most public sector organisations already measure Scopes 1 and 2, and some parts of Scope 3. But the biggest contributors – procurement, capital projects, and estates – are often left out



Trusted by Local Authorities Leading the Way to Net Zero



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CarbonTrack – What It Is and How It Helps

CarbonTrack is an emissions reduction tool that helps public sector organisations measure, manage, and reduce emissions across operations and supply chains, with a focus on high-impact Scope 3 categories

From procurement analysis to supplier engagement and policy integration, CarbonTrack provides the data and tools needed to support credible net zero targets

A Four-Step Process - From Data To Decisions

1

Baseline

Build a complete footprint across procurement, estates and projects

2

Prioritise

Identify hotspots and focus on the suppliers or contracts that matter most

3

Embed

Integrate carbon requirements into tenders and procurement policy

4

Track

Monitor progress and adjust with interactive dashboards



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Our Services

Carbon Accounting

The vital first step to organisational decarbonisation is to understand where you're starting. CarbonTrack supports cross-team collaboration to define boundaries, data sources, and governance. We then calculate a comprehensive footprint across Scopes 1, 2, and 3 – crucially, including complex supply chain and esoteric estate emissions – aligned with global reporting standards.

Net Zero Procurement Framework

Procurement and supply chain emissions are often the largest – and least visible – part of your footprint. Our framework helps embed emissions into procurement policy and decision-making through four key pillars: 1) Baselining, 2) Supplier Engagement, 3) Supplier Mapping & Risk Assessment, and 4) Policy Integration.

Net Zero Pathway Modelling

With a robust baseline established, our decision-grade modelling platform enables organisations to evaluate cost-optimised decarbonisation pathways under multiple scenarios. We quantify the impact, feasibility, and timing of interventions to build an adaptive, investment-aligned roadmap grounded in real operational constraints.

SME Climate Capacity Building

Local authorities can support social value and local economic development by equipping SMEs with a clear, practical pathway to improve their sustainability performance. This also strengthens their own supply chain decarbonisation through a structured, aggregated view of supplier readiness against net-zero targets.



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Carbon Accounting

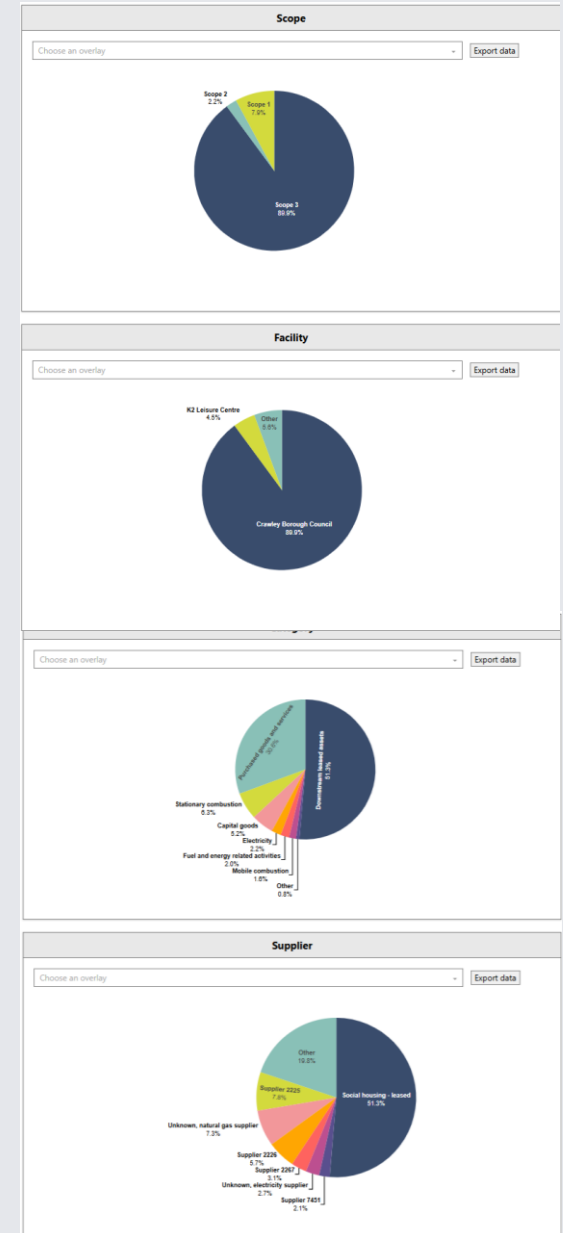
Lead with data. Inspire your community.

CarbonTrack is built from the ground up for local authorities and public institutions, not private enterprises. We understand the complexity of public sector structures, procurement systems, and reporting obligations – because that's where we work every day.

We combine engineering precision and accounting rigour to help you unlock audit-grade carbon data, drive smarter decisions, and report with confidence. Our tools and experts work alongside your teams to embed sustainability across departments—turning raw data into practical action. From supply chain emissions to operational footprints, CarbonTrack gives you the clarity, confidence, and control to lead your community toward a net zero future.

- **Comprehensive, Audit-Ready Carbon Accounting:** We're more than just software. We're your strategic partner across the entire net zero journey.
- **Precision Measurements across Scopes 1, 2, and 3:** We handle the complexity of emissions accounting so you don't have to – especially when it comes to notoriously tricky Scope 3 data. Our methodology, built on 40,000+ emissions classifications, offers granular, science-based insights trusted by government bodies, regulators, and auditors alike.
- **Real-Time Tracking and Reporting:** CarbonTrack's digital platform keeps your emissions data live and actionable. Visual dashboards and team-specific insights foster cross-departmental ownership and transparency – crucial in the public sector. Monitor progress, set targets, and share results in a way that sticks.
- **Supply Chain Visibility for Public Procurement:** Procurement often accounts for 60-80% of a public body's emissions. Our tools are built with this in mind, providing unmatched visibility into your supply chain and helping you engage suppliers, assess risk, and embed climate considerations into procurement decisions from day one.

CarbonTrack by City Science



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Net Zero Procurement Framework

Decarbonise Your Supply Chain

Procurement is often the largest (and most overlooked) source of emissions in the public sector. If you're serious about reaching net zero, you can't ignore your supply chain. CarbonTrack's Net Zero Procurement Framework is designed specifically for public institutions to embed carbon reduction into every stage of procurement. From building a data-backed baseline to engaging suppliers and integrating sustainability into policy, we offer a structured, proven approach to turning procurement from a risk into a lever for change. Developed by experts in public sector carbon strategy, this framework helps you move from ambition to impact, ensuring your spend aligns with your climate goals.

A Practical, End-to-End Framework for Supply Chain Decarbonisation

Our framework is built on four core pillars that guide organisations through every stage of procurement transformation:

- **Spend-Based Emissions Assessment:** We start with a granular, data-rich analysis of your procurement emissions using our proprietary emissions database – spanning NACE 2-, 3-, and 4-digit classifications across 40+ countries. This step gives you a clear map of your supply chain carbon hotspots, the ability to prioritise high-impact suppliers and categories, and quantifiable, transparent, and traceable Scope 3 emissions data.
- **Supplier Engagement:** Your suppliers are key to your emissions reduction success. This doesn't only improve your data but builds long-term climate partnerships with suppliers. We support tailored supplier outreach strategies, requests for primary emissions data from top suppliers, and supplier training and awareness around net zero expectation
- **Supplier Mapping and Risk Assessment:** Not all suppliers are equally prepared. These insights help you prioritise, support, or re-evaluate supplier relationships based on climate performance. Our structured supplier maturity assessment evaluates net zero alignment (targets, disclosures, governance), sector readiness and benchmarking, as well as climate risk exposure and reduction potential.
- **Policy and Strategy Integration:** Finally, we help embed climate action into your procurement processes, ensuring sustainability is no longer a bolt on but becomes central to how you buy. That means writing carbon criteria into tenders and contracts, aligning procurement with your carbon budgets and targets, and designing incentive structures and monitoring performance

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Organisational Net Zero Pathway Modelling: Chart Your Pathway to Net Zero

Ambition is not enough.

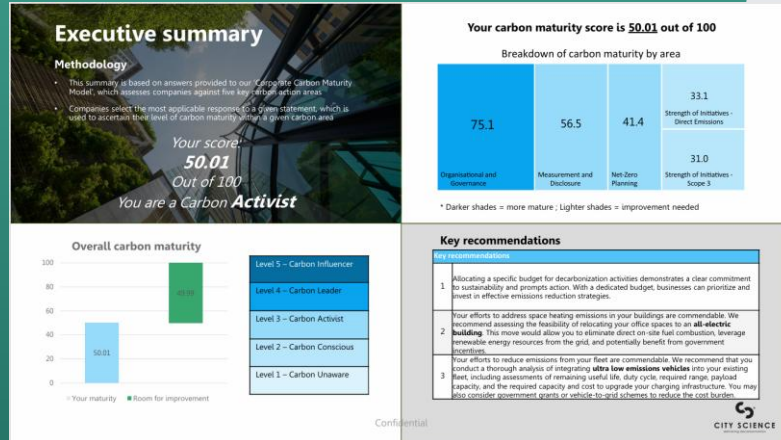
You've mapped your carbon baseline. Now comes the hard part :figuring out how to get to net zero, what to prioritise, how fast to move, and what it's going to cost. That's where **CarbonTrack's Net Zero Pathway Modelling** comes in. We help local authorities and public institutions translate targets into realistic, costed, and time-bound plans. You'll understand exactly what's needed, from electrification and retrofit programmes to supply chain engagement and clean power transitions. We don't just model emissions. We model the real world. With deep expertise in energy, transport, and the built environment, our team of engineers and climate scientists helps you make sense of the complexity and develop plans that work technically, financially, and politically

- **Turn Your Baseline into a Realistic Net Zero Plan:** We bridge the gap between measurement and meaningful action. Our pathway modelling empowers your team to move beyond strategy documents and into implementation.
- **Grounded in Data, Backed by Experts:** Our modelling isn't generic. It's rooted in real operational data, scientific research, and practical experience in the public sector. Our engineers and climate modellers build pathways that reflect your infrastructure, geography, and resource constraints.
- **Scenario Analysis & Strategic Options:** Explore multiple routes to net zero – each with trade-offs. We help you model the costs, benefits, and feasibility of different combinations of actions, so you can prioritise what delivers the greatest impact within your budget.
- **Sensitivity Testing for Resilience:** No plan is future-proof without stress testing. We run sensitivity analyses on policy shifts, energy prices, technology adoption rates, and more, so your strategy remains robust in a changing world.
- **Built for Public Sector Complexity:** We understand how government works at local, regional, and national levels. Our models are designed for multi-year planning, budget cycles, and stakeholder alignment. This will give you the tools to win buy-in, build momentum, and track progress over time.



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SME Carbon Maturity and Capacity Building

A Carbon Maturity Assessment provides a structured, evidence-based method for evaluating an organisation's readiness to operate in an economy where sustainability is rapidly becoming a core requirement rather than a "nice to have". The assessment covers an organisation's capability across four dimensions of climate readiness:

- Governance and strategic oversight
- Emissions measurement and disclosure
- Target-setting and forward planning, and
- Implementation of credible emissions-reduction initiatives.

The outputs provide organisations with a clear, benchmarked view of where they stand relative to emerging best practice, identify material gaps, and present tailored, actionable recommendations to strengthen their maturity over time.

What are the benefits of Carbon Maturity Assessments?

For local authorities, the assessment delivers value in two primary ways:

- **Supporting Social Value and Local Economic Development:** Sustainability performance is increasingly central to securing work. However, many SMEs, particularly local or micro-businesses, lack the time, technical capacity, or internal expertise to navigate these requirements. The Carbon Maturity Assessment offers these firms a structured starting point: it clarifies what "good" looks like, highlights where limited resources should be focused, and provides practical recommendations they can implement without needing specialist consultants.
- **Strengthening Supply Chain Decarbonisation:** For most local authorities, Scope 3 emissions from procured goods and services represent the majority of their carbon footprint. Because neither large-scale demand reduction nor supplier substitution is realistic at the scale required, sustained supplier engagement is essential. Conducting Carbon Maturity Assessments across strategic suppliers enables authorities to build an aggregated picture of the current state of their supply chain relative to declared net zero targets. This reveals systemic capability gaps, highlights priority sectors requiring targeted support, and provides a robust evidence base to inform future engagement strategies and procurement policy design.