



edenseven

Case Study

PANZ - Innovate UK

Overview

PANZ (Platform to Accelerate Net Zero) is an Innovate UK-funded programme designed to support local authorities in navigating the transition to Net Zero. Running from March 2023 to November 2024, the programme received £2.75 million funding and was led by Peterborough City Council in partnership with Cambridgeshire County Council, edenseven, and other organisations.

edenseven was a core delivery partner within PANZ, leading the co-design and development of a carbon accounting and sustainability management platform tailored for local government, working directly with councils and Net Zero Hubs to ensure the solution met real-world operational and reporting needs.

The Request

- Development of an integrated carbon management platform enabling local authorities to establish consistent baselines of estate and area-wide emissions aligned with DESNZ and their own categories.
- Emissions forecasting and scenario modelling capabilities to test decarbonisation pathways and prioritise climate action based on impact and feasibility.
- Programme management functionality supporting delivery tracking, progress measurement against targets, and best-practice reporting requirements.
- Co-design process with end users to ensure the platform addressed real operational constraints, resource limitations, and overlapping governance requirements faced by local authorities.

Skills & Knowledge

- Local Authority Carbon Accounting: Deep expertise in local authority emissions modelling, Net Zero programme delivery, and practical experience working with UK councils on carbon accounting methodologies and reporting frameworks.
- Platform Design & Development: Led the design and development of cero.earth through iterative co-design with end users, ensuring alignment with operational, governance, and reporting requirements across diverse local authority contexts.
- Data Modelling & Forecasting: Development of robust carbon baselining methodologies and scenario modelling capabilities enabling councils to understand current positions, assess intervention impacts, and test alternative Net Zero pathways.
- Programme Management & Reporting: Integration of programme management dashboards and reporting functionality aligned to statutory and best-practice frameworks, enabling progress tracking and consistent reporting across teams and stakeholders.



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Outcomes

The solution was tested and implemented using Peterborough City Council initially, before being offered to the broader Local Authority community.

- Intuitive Carbon Management Platform: Delivered a tailor-made platform providing comprehensive visibility of estate and area-wide emissions, replacing fragmented spreadsheets with integrated decision-support tools embedded in council operations.
- Clear Net Zero Baseline: Established consistent understanding of current position against Net Zero targets with DESNZ-aligned categorisation enabling comparison and future data sharing between local authorities.
- Enhanced Decision-Making: Improved insight to identify priority areas for action and interventions with greatest decarbonisation impact through scenario modelling and forecasting capabilities.
- Streamlined Reporting & Governance: Integrated reporting functionality measuring progress over time, supporting accountability, and reducing time burden on climate teams through automated compliance-ready outputs.
- Future-Proofed Data Architecture: Asset-based data structure ensuring emissions records can be transferred between authorities during local government reorganisation without loss of integrity or historical traceability.