

→ Carbon consultancy

We understand the challenge that climate change presents, and recognise our responsibility as designers and engineers to reduce carbon emissions on projects. Our innovative yet pragmatic approach to carbon consultancy has seen us recognised as international experts and leaders in civil engineering.



→ Your trusted partners

We apply our environmental and carbon management expertise to projects, organisations, local authorities and cities to help clients reduce carbon as efficiently as possible and plan for a net zero future.

Collaborative consultancy

We are trusted advisors to some of Europe's most ambitious large-scale industrial projects within decarbonisation - including wind & solar energy, hydrogen, energy storage, battery technology, CCS and industrial circularity.

22,000

Sweco operates at the centre of the green transition. With global architects, engineers and consultants, we work with our clients to design solutions to overcome major societal challenges.

Our carbon consultancy covers...

01. Strategic carbon management & implementation planning
02. PAS 2080 carbon management
03. Net zero pathway and verification support
04. Net zero cities consultancy
05. Workplace training

Find out more online:

www.sweco.co.uk/carbon

→ Core carbon expertise

01. Strategic carbon management and implementation planning

A sound carbon management programme is founded on a wide range of inputs, from senior management buy-in and associated behavioural changes to innovative renewable energy solutions. Sweco are able to devise bespoke and pragmatic strategies for clients.

Services include:

- Practical recommendations for achieving carbon reduction goals
- Feasibility screening of all potential carbon reduction measures
- Creating best in class carbon management plans
- Creating carbon KPIs for projects to achieve
- Measuring and monitoring carbon at each stage of a project and working with the design team to reduce carbon

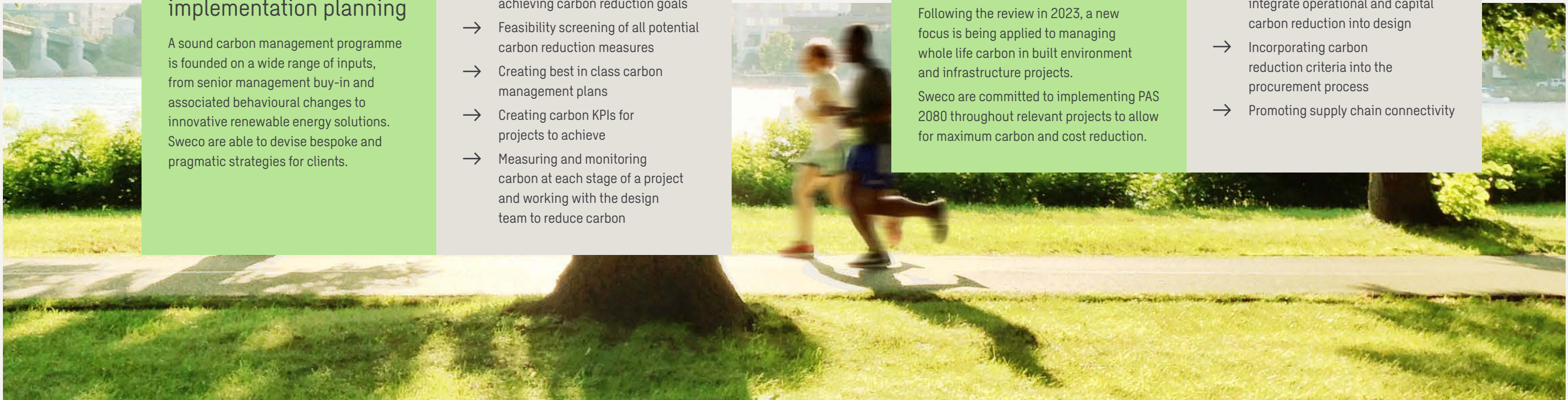
02. PAS 2080 carbon management

Following the review in 2023, a new focus is being applied to managing whole life carbon in built environment and infrastructure projects.

Sweco are committed to implementing PAS 2080 throughout relevant projects to allow for maximum carbon and cost reduction.

Services include:

- Developing bespoke toolkits to integrate operational and capital carbon reduction into design
- Incorporating carbon reduction criteria into the procurement process
- Promoting supply chain connectivity



→ Core carbon expertise

03. Net zero pathway and verification support

Corporate management of environmental impacts is coming under heightened public scrutiny, and the legislative trend of an increased requirement to report emissions is already being coupled with associated carbon taxation.

Where carbon reduction or neutrality is a long-term goal, we go beyond verification and work closely with our clients to provide bespoke and strategic assistance.

Services include:

Strategising:

- Gap analysis and determination of carbon baseline, boundary and scope
- Identification and advice on carbon and cost reduction actions, including prioritisation
- Science-based target setting and pathway to net zero

Disclosure and Regulatory Requirements:

- Independent verification of carbon footprints to GHG/ISO standards in accordance with BS EN ISO 14064-3:2019
- Streamlined energy and carbon reporting

04. Net zero cities consultancy

Half of the world's population – and three quarters of Europeans – live in cities.

Developing urban spaces more resiliently and sustainably therefore has an enormous, positive impact on society as a whole, but also provides a huge area of opportunity for global-scale progress when it comes to chasing net zero goals in particular.

Services include:

- Net zero pathways, including carbon baselining, prioritised target setting, science-based targets and pathway to net zero
- Placemaking
- Nature-based solutions
- Carbon assessment demonstrating carbon benefits
- Peat management plans integrated with geotechnical assessments
- Environmental statement chapters



→ Core carbon expertise

05. Workplace training

Engineering solutions to manage carbon are important but cannot be applied in isolation; human behaviour is key to the effectiveness of many technical projects and essential to the success of most carbon reduction campaigns.

Workshops include:

- Increase staff commitment to sustainability and promote carbon literacy
- Focus on action plans to ensure that reductions are achieved
- Provide a flexible approach tailored to each client's needs



→ Let's transform society together

Carbon reduction is most effective when it stems from a robust strategy that is formed in collaboration with all stakeholders. Our clients trust us to share our expertise at the highest organisational level to enable them to demonstrate low carbon leadership.

Leading the way

We have a proven track record of implementing environmentally responsible practices, reducing carbon footprint, and actively contributing to the UNSDGs - ensuring our clients can not only align with ethical and environmental standards but also position themselves as a forward-thinking leaders in the net zero transition.

Caitlin Hill
Decarbonisation Team Lead

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Find out more at:

sweco.co.uk/carbon