

STRATEGIC CARBON ADVISORY: OPTIMISING YOUR PATH TO NET ZERO



Engineering
Net Zero
In partnership with our planet

ATKINS
Member of the SNC-Lavalin Group

CHALLENGE

National and international targets for cutting carbon have set an agenda for global change, which businesses and public bodies are increasingly reflecting in their decision making. However, for many of the organisations we work with, carbon reduction is one of many competing priorities and steering a course towards a Net Zero future is a complex challenge.

For most sectors and organisations, being able to effectively decarbonise will be contingent on 4 key factors:

- A clear definition and understanding of scope: defining what Net Zero means for you and its implications on scope needs to be determined from the start, focusing on identifying what can be directly controlled and what can be indirectly influenced.
- Having the right data: holding and/or having access to the data needed to baseline and an ability to continuously measure and monitor performance.
- Identifying cost-effective, future-facing solutions: solutions and interventions must be resilient and routed in pragmatic thinking. Solutions should be informed

through a deep understanding of the asset or operation that is the target for carbon reduction, as well as the system these sit within.

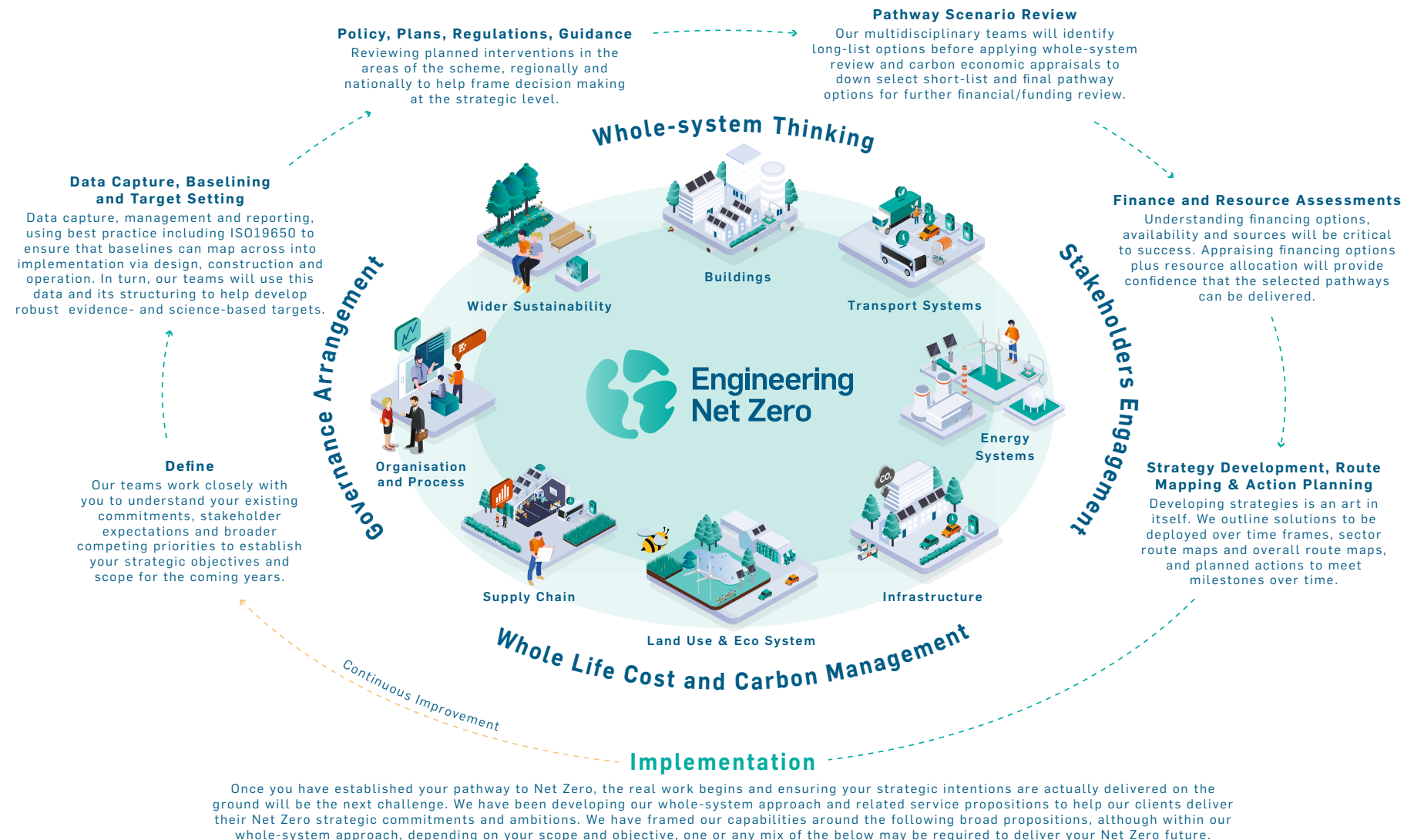
- Having access to finance and funding: for many private and public organisations, accessing finance will be a key factor in the achievability of implementing strategic intent. Successfully accessing these and calculating any associated payback criteria can be confusing.

We are ready to support you in rising to this challenge through strategic planning and implementation, confident that our approach will demystify the pathway to Net Zero and deliver pragmatic solutions, enabling you to deliver your Net Zero commitments cost effectively.

MAKE CARBON VISIBLE

Making carbon visible starts at the very beginning, hardwiring your understanding of it as it relates to your assets, operations, organisation and wider value chain. We apply our whole-of-life carbon-management approach within the development of your strategic plans, building this understanding out in ever increasing detail to ensure that the baseline of your operations can be

easily measured and reported, as you implement your plans through CAPEX and OPEX programmes over time. Our novel applications of Marginal Abatement Cost Curves (MACCs) and broader carbon economic thinking enables us to provide clarity on our clients' decarbonisation performance in terms of cost, programme, quality and carbon.



Net Zero Energy Systems
Decarbonising existing energy systems or implementing new and innovative Net Zero energy solutions on any scale of project.



Net Zero Buildings and Cities
Decarbonising new or existing buildings, campuses, estates or cities and the associated enabling infrastructure systems.



Net Zero Transportation
Decarbonising new or existing transport systems across road, rail and aviation and developing new and novel Net Zero transportation for any scale of project.



Net Zero Industry and Infrastructure
Decarbonising new and existing industrial processes and process emissions from a wide range of sectors, including manufacturing, water processes, steel and cement production.



Greenhouse Gas Removals
Deploying a range of nature-based solutions on varying scales to help clients optimise land use and integrate nature-based offsetting solutions into the built environment. We also provide GGR technologies appraisals.

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