

Arke Ltd provides reliable consultancy and robust analysis services to public and private-sector clients operating in defence and security in the UK and overseas.

Sustainability analysis and Net Zero Strategy are one of our key service areas.

Defence Infrastructure: Meeting Net Zero Targets

The UK Ministry of Defence is on a pathway to Net Zero. A department in MOD has been tasked with reviewing 17 sites to better understand how to introduce natural capital assets, energy-saving measures and supporting infrastructure to meet this target.

Arke is supporting this initiative through:

- Detailed analysis of the impact on the Defence Lines of Development (DLoD) for each site.
- Forecasting of the financial and carbon impact of implementing different carbon reduction and resilience initiatives across the enterprise.

Our work provides the MoD with tactical and strategic insights, from both embodied and whole-life operational carbon perspectives, into the most cost-effective and affordable measures it can introduce to meet its Net Zero objective.



This work is supported by CarbonFlow – Arke’s in-house system carbon emissions estimating tool. The tool estimates kgCO₂e of the material makeup of system components, transportation from the point of origin, integration/installation and operating emissions through life. To avoid a ‘Black Box’ scenario, the tool has been designed to be fully auditable, allowing transparency of sources, assumptions and calculations.

We cut through complexity to arm you with the evidence and advice you need to make good decisions.