



CARBON REDUCTION PLAN

PPN06/21
2026



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Our vision

To create connected and deliver sustainable residential and commercial projects, infrastructure enabling people and the planet to thrive.

How we do that

We shape, create and deliver pioneering solutions that transform the performance of the built environment ecosystem.

Where we operate

Our focus is on three strategic markets in the UK: commercial, education, healthcare, heritage, residential and industrial. Everything we do is rooted in delivering solutions and is organised around our customers.

We are focused on creating a more sustainable world by ensuring our projects and programmes deliver sustainable infrastructure through low carbon engineering, efficient use of resources, following circular economy principles and incorporating resilience to climate change. We are acting today to tackle the environmental challenges facing our planet, ensuring we safeguard its future for generations to come. Our focus encompasses the intricate nature of sustainability, aiming to mitigate our environmental impact and contribute to a low carbon future.

About Ark Build PLC

Ark Build PLC is a client-focused, multi award-winning principal contractor based in Loughton, Essex. The reputation we have built up over the past 19 years for workmanship and service is maintained by our dedicated, experienced, qualified, and motivated teams. We aim to make the construction experience a positive one by: focusing on client needs; communicating well, being a good neighbour and involving local communities. We undertake new build, refurbishment and design and build projects up to £20 million in value for public and private sector clients. As principal contractors under CDM 2015 Regulations, we also carry out commercial, industrial, and residential projects throughout London, Greater London, Southeast and Southern Counties. Our project teams focus on delivering the buildings/projects our clients want, within budget, on or ahead of time, whilst working collaboratively as partners with all those involved. For more information and examples of our work, visit: <https://www.arkplc.com/>

Commitment to achieving Net Zero

Ark Build PLC is committed to halving emissions by 2030 and achieving Net Zero emissions by 2050. Our commitment is made independently in line with a 1.5°C limit to global warming and to delivering Net Zero within our own operations (Scope 1, Scope 2 and a subset of Scope 3) emissions earlier than 2050. We are working towards achieving Net Zero within our supply chain (Scope 3 emissions) by 2050. Ark Build PLC works collaboratively with all its clients to decarbonise their buildings helping achieve their Net Zero ambitions. We are now designing for disassembly to reduce embodied carbon in construction and at the end of life.

We are working towards a robust transition plan, setting high level targets, and plotting ambitious interim milestones on the path to net zero by 2050. Ark Build is committed in playing its part in the UK Government's climate decarbonisation programme. By embracing our Responsible Construction Strategy, our ISO 14001 Environmental Management System



and such industry initiatives as achieving Net Zero by 2050, we recognise that both the local community and the business itself can benefit.

By communicating our Net Zero carbon aims to employees and our supply chain, we ensure that all parties are aware of their Net Zero responsibilities in relation to construction operations. Our Net Zero policy forms the cornerstone of our efforts to continually improve our environmental performance via establishing, implementing, and reviewing objectives and targets.

We look to drive innovation and collaboration through our supply chain to help deliver low carbon solutions. We are committed to protecting the environment in all our operations and reducing our environmental impacts associated with our activities. We recognise the importance of decarbonising our business and we have set long-term goals. We are transforming how we do business, working closely with clients and championing collective responsibility. We support eco-innovation and green technologies by improving vocational training and the need for green labour skills led market. Technology is on our side, and we are focusing our efforts on sustainable innovation.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured. Our Carbon baseline includes our greenhouse gas emissions from the seven GHGs named in the Kyoto Protocol.

Methodology

We have calculated the carbon emissions and kWh figures using the UK Government's 2024 Conversion Factors for Company Reporting. These can be found here:

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2024>

Utilising our experience to influence and support our clients in delivering a net zero carbon-built environment, striving for earlier engagement to maximise the opportunities to reduce embodied, construction and operational carbon.

- Identifying and ensuring compliance with relevant low-carbon planning requirements at national, regional and city level, and influencing industry best practice to ensure we are continually showing leadership and therefore driving revolutionary change.

This plan covers our carbon reduction strategy across 2 key services at Ark Build, being:

- Ark Build
- Ark MEP



Baseline Year: FY 2020/21 (1 November – 31 October)	
Additional Details relating to the Baseline Emissions Calculations	
Upon analysis of our carbon data using 'Construct C02' which measures and benchmarks our construction carbon footprint and maps our supply chain to help demonstrate construction mile footprint. We have decided to reset our Scope 1 and Scope 2 emission baseline from previous years to FY2020/21. Our reset baseline supports our commitment to setting and achieving our new Carbon Reduction Targets. We are currently looking into our Scope 3 emissions and liaising with the UK Climate Change, Zero Carbon London, Greater London Authority and Zero Carbon Accelerator (Decarbonising London's Buildings) as this Scope has never been baselined previously to enable us to set targets and objectives as part of our Carbon Reduction Roadmap going forward. We are committed to achieving our Scope 3 emissions targets with our Value Chain by 2050. The following categories will be considered as part of setting new baseline targets for Scope 3. 1. Employee commuting 2. Fuel and energy related activities 3. Upstream transportation and distribution 4. Waste generated in operations 5. Business travel 6. Downstream transportation and distribution	
Baseline year emissions: FY 2020/21 (1 November – 31 October)	
Emissions	TOTAL (tCO ₂ e)
Scope 1	67
Scope 2	73
Scope 3 (Included sources)	604
Total Emissions	744

Current Emissions Reporting

Reporting Year: FY 2023/ 24 (1 November – 31 October)	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	13
Scope 2	0
Scope 3 (Included sources)	103
Total Emissions	116

Reporting Year: FY 2024/ 25 (1 November – 31 October)	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	8
Scope 2	0
Scope 3 (Included sources)	95
Total Emissions	103



Emissions Reduction Targets

To continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets:

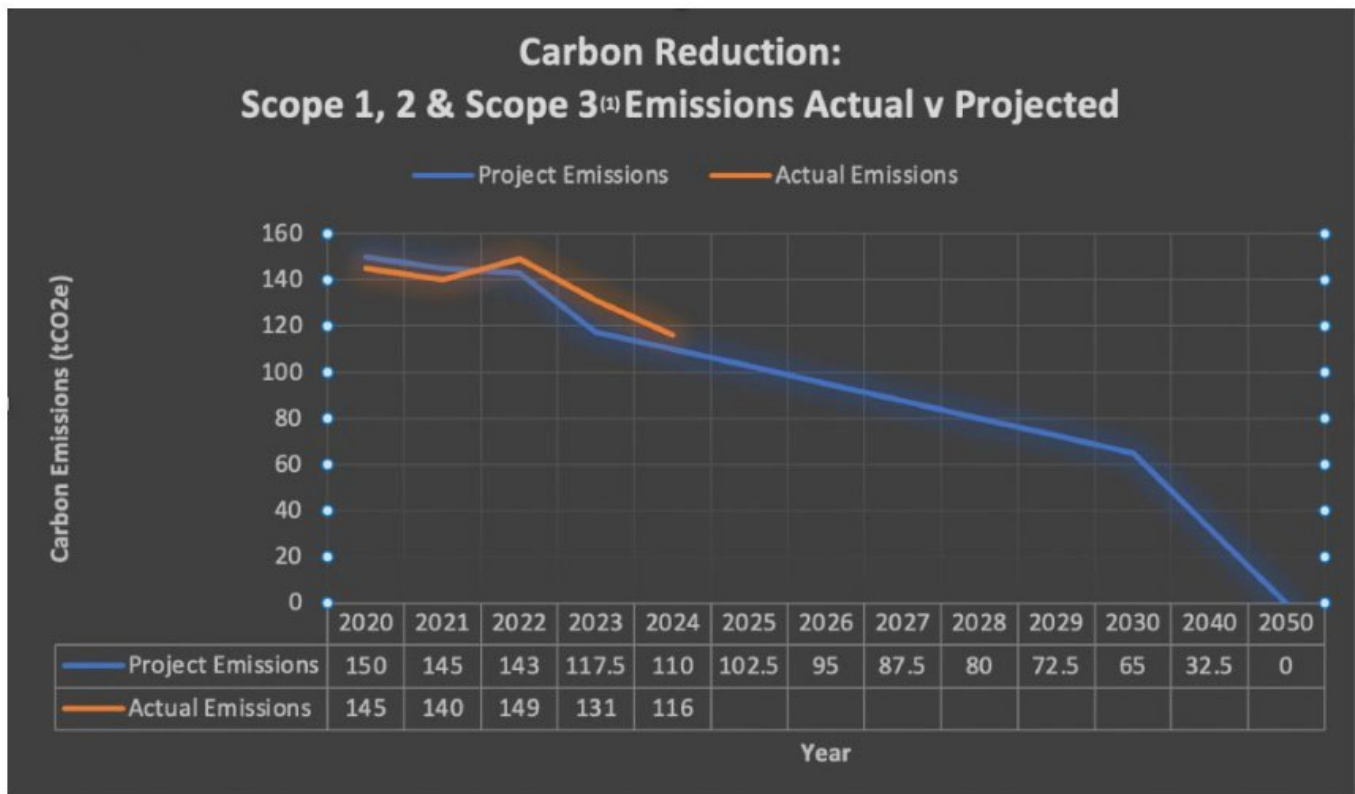
2030 – We are committed to halving emissions by 2030

2045 – Net Zero within our own operations (Scope 1 & 2)



2050 – Net Zero across the Value Chain (Scope 3)

We project that carbon emissions will decrease over the next five years to 95 tCO₂e by 2026. This is a reduction of 37%



Intensity Measures

Total carbon emissions per £m of revenue (£16m) in the year to 31 October 2024 were 2.55tCO₂ (2023*: 3.28tCO₂). The chosen intensity measurement ratio is total gross emissions in metric tonnes CO₂e per £1m turnover, the recommended ratio for the sector.

Energy Efficient Actions Taken

Ark Build PLC remains committed to reducing carbon emissions as part of our Carbon Reduction Strategy. Emissions from our fleet or transport account for a large proportion of our carbon footprint. Improving their performance in this area is important in helping achieve their targeted emissions reduction levels over the coming years. Our sustainable transport policy has ensured that the fleet has reduced in number and employee-owned vehicles used for business purposes are either hybrid, plug in hybrid or battery electric and consequently Scope 1 emissions have significantly reduced over the past year.

The installation of a roof mounted solar PV system would reduce the demand-load as part of our sustainability plans along with the newly installed car-charging points. We have implemented further measures such as site generators to run on GreenD+ fuels generating up to 90% less carbon emissions, investigating further renewable energy opportunities, and to look at a more sustainable transport strategy. Our utility provider, E.On Next and Octopus Energy, now use carbon neutral gas and 100% green electricity through their pure electricity plans. Renewable



energy guarantees of origin certificates (REGOs) now confirm our electricity is sourced from 100% renewable generation and hence our Scope 2 emissions this year have also reduced.

Carbon Reduction Projects Completed Carbon Reduction Initiatives

The following environmental management measures and future projects have been implemented since the 2020/21 baseline. The carbon emission reduction achieved will be measured and the effects published upon completion of each project.

Targets achieved

- Develop and publish the Ark Build PLC Carbon Strategy
- Commitment to purchase electricity from renewable sources and obtain green tariffs and reducing consumption by 10%
- Carry out an energy survey to look at LED lighting
- Investigate renewable energy opportunities
- Install vehicle charging points at our offices
- Continue our commitment with the Woodland Trust, the UK's largest woodland conservation charity helping increase urban tree cover, planting trees outside of woodlands, restoring and protecting existing woodlands. Achieve a minimum offset of 25t of carbon on a new build project and a minimum of 10t on a refurbishment project.
- Minimise waste to landfill – Construction waste <12T/£100k revenue and 96% of all site waste to be diverted from landfill.
- Support the local pound – 50% of the Supply Chain for each project to be based within 30 miles of any project.
- Look at a more Sustainable transport policy and the transition to an electric fleet.
- Site Generators to run on GreenD+ & HVO fuels only generating up to 90% less carbon emissions.
- Roll out energy efficient cabins across all sites.

In the future we will look at further measures as below.

- Develop our project carbon footprint capabilities.
- Educating our Supply Chain to understand, manage and reduce carbon emissions.
- Reduce vehicle emissions by achieving a 20% reduction in Kg/CO₂ across the whole fleet.
- Promote the use of alternative materials such as low carbon concrete and recycled steel.
- Our hybrid working policy, which has led to lower energy consumption at offices and sites.
- An increased proportion of larger, higher-value, longer-duration projects has resulted in: Faster connection to grid energy and reduced reliance on diesel-powered site generators / plant.
- More delivery staff dedicated to single sites rather than travelling to multiple projects.
- Increased use of hybrid / electric plant and machinery on sites.
- Incorporating renewable technologies for temporary power on project sites.
- A new travel & expenses policy, putting greater emphasis on sustainable travel and video conferencing.
- Introduction of an electric vehicle.



Current Certifications & Accreditations

- ISO 9001: 2008 – Quality Management
- ISO 14001:2004 – Environmental Management
- Safe Contractor
- Construction Line (Gold)
- CHAS
- FORS (Bronze) – Fleet Operator Recognition Scheme
- Environmental Waste Licence

Future Memberships

In 2025 we may be looking to apply for Planet Mark certification/ accreditation.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the Board of Directors.

Signed on behalf of the Supplier (Ark Build PLC)

Name: Michael Finlay

Position: Managing Director

Signature:



Date: 03/01/2026

