

ARC:CDM

Net Zero

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This document was compiled as a statement around our Company objectives to Net Zero.

Document Approval:

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1	Net Zero Statement and Update	19/06/24
2	Part Z inclusion	03/06/24
3		



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Net Zero Statement from ARC:MC

ARC:MC are proud to be members of the UK Green Building Council and support them in their mission to radically improve the sustainability of the built environment. Specifically in their aim to speed-up the Paris Climate Agreements aim to decarbonise the global economy by 2050. As a business we are aiming to be operate as carbon positive by the end of 2024. We are also actively encouraging our peers and clients to adopt London's 2030 Net Zero target.

At **ARC:MC** we are committed to planning and designing projects with sustainability in mind, helping with the campaign of Advancing Net Zero (ANZ). From the effective feasibility studies of a site, life-cycle carbon analysis at concept design, prefabrication at construction period, occupational efficiencies, right through to the demolition and reuse of a building - each stage of a project's life cycle is a fundamental consideration for our team. As innovative designers we wish to have a positive impact on both the planet and the societies effected by our buildings. In order to achieve this we are committed to strive for excellence in both our attitudes and our project deliverables.



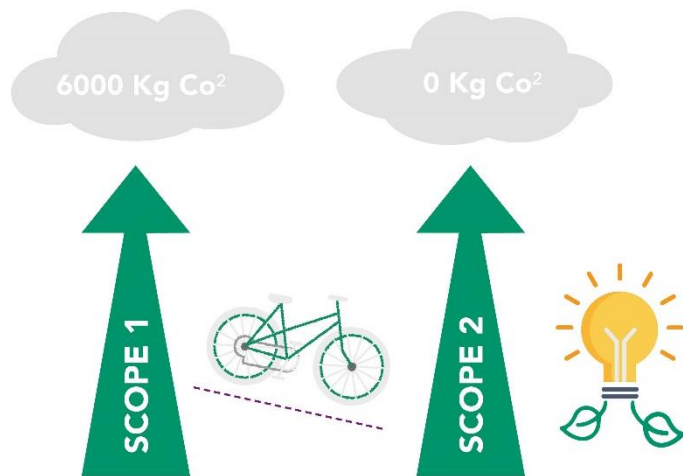
Mat Bacon
Principal Director
19/06/2024



Scope 1 & 2

As part of our ISO14001 and 9001 processes and procedures we carefully review our supply chain. This includes our energy providers and those business who provide our office consumables. By reviewing these suppliers we are able to make informed decisions around which companies and products will allow us to reduce our Scope 1 (direct) and Scope 2 (indirect) carbon emissions.

Our main Scope 2 emissions is our business electricity usage. We do not have gas in our office space. We have been able to select British Gas as our electricity supplier this year, and are pleased to report that they offer Zero Carbon electricity as standard on all their fixed term contracts.



ARC:MC are working towards Net Zero 2030

We work towards being a paperless business, reducing printing and paper usage. The majority of our work is held electronically and the printing of project designs is kept to a minimum. We re-use and recycle as much as we can with any waste items within the office space. Waste items we produce are carefully segregated so that we recycle as many items as possible. We have also selected a waste removal firm who have a zero-to-landfill policy, meaning that all our non-recyclables go through a waste to energy process – further reducing our business footprint.

The carbon produced by our team’s commutes is calculated on an annual basis and this amount is then offset. We strategically offset by contributing to projects in line with the UN SBGs. These schemes work towards further global renewable energy projects, aiding in helping to reduce our planet’s overall carbon emissions and helping to provide sustainable infrastructure in countries with limited access.



Scope 3

We utilise the BIM process on all projects, with all our designs being created in Revit. By using BIM we are able to deliver very efficient design processes. One of the ways this is done is through clash detection. Highlighting 'clashes' before a project gets to site allows a design team to fix possible issues before a spade even hits the ground. This process also encourages clients to look at BIM Modeling for the prefabrication and DfMA of project elements. Prefabrication of elements reduces a construction program and potential material waste onsite – thus significantly reducing the carbon impact at construction stage of a project. By using design software such as Revit we are able to run LCA tools. Material asset information allows us to measure the amount of embodied carbon which is associated with specific materials within a design. This in turns allows us to inform our client's around possible sustainability innovations they may wish to consider at early design stages. A simple switch from one product to another may drastically reduce a buildings overall embodied carbon.

Part of our Scope 3 emissions involve our team's travel to project sites and the offices of our clients or other consultants. We shall always try to utilise Video Calls for project meetings but obviously at times some in person visits are necessary for the quality of the services we deliver. We are therefore committed to allocation 1% of project expenses fee to be directed at a renewable energy off-setting scheme. This is particularly important on projects involving international travel.

As well as researching the most effective carbon analysis technologies, as a business we have also been designing and delivering projects inline with BREEAM and LEED standards for many years. We are committed to continuing to support our clients and project team in gaining these certifications. This typically requires us to provide all the relevant project information and supporting design processes outlined in the specific certification guidance.



We are looking forward to seeing how the industry will evolve in the future - in line with proposed Building Regulations Part Z future release in January 2026. Advancing Net Zero will benefit immensely with the roll out of Part Z, which will help to emphasise both the moral, social and legal obligations we all have in measuring and reducing carbon within construction industry projects. We are sure Part Z will positively drive industry experts and general standards in achieving sustainable buildings. But 2026 is a long way away, so up until its release, we are committed to investigating how we can review whole life cycle carbon on our projects today – working towards pioneering socially valuable spaces for our planet.

