

What is the Net Zero Bridges Group?

The Net Zero Bridges Group was formed in July 2021 to bring together UK bridge design and engineering specialists with a shared commitment to decarbonising our work.

Our members have declared a climate and biodiversity emergency and have committed to taking meaningful and appropriate actionⁱ.

Our mission is:

“to accelerate progress towards Net Zero carbon bridges by sharing knowledge and ideas and shaping best practice”

We will promote awareness and understanding of the need and ability to take action, working with all others who can contribute to the same goal. Our approach is to be curious and open to challenge.

We will engage with other relevant bodies including the Institution of Civil Engineers, IStructE Climate Emergency Task Group, Bridge Owners’ Forum, SCI Steel Bridges Group and Concrete Bridge Development Group. We hope to engage with other groups outside the UK in the future.

Our aim is not to duplicate other Net Zero guidance, but to build on it to provide bridge engineers, designers and asset owners with practical data and guidance to use to decarbonise all aspects of their work.

Initial tasks include:

- A review of the differences between bridges and building structures with respect to carbon
- A review of carbon factors for bridges, and development of a database of comparative benchmarking data
- Understanding timescales, targets, and decarbonisation pathways

Future tasks may include:

- Applying the PAS 2080 carbon management framework to the bridge project lifecycle
- Review of lower-carbon materials including non-conventional materials

Membership (October 2021)

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| - AECOM | - Cass Hayward | - Mott MacDonald |
| - ARCADIS | - COWI | - Moxon Architects |
| - Arup | - Hewson Consulting | - Ramboll |
| - Atkins | - Jacobs | - Tony Gee |
| - BEAM Architects | - Knight Architects | - WSP |

Contact

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ⁱ Members are signatories to [Architects Declare](#), [Structural Engineers Declare](#) and/or [Civil Engineers Declare](#), see those websites for details of our commitments