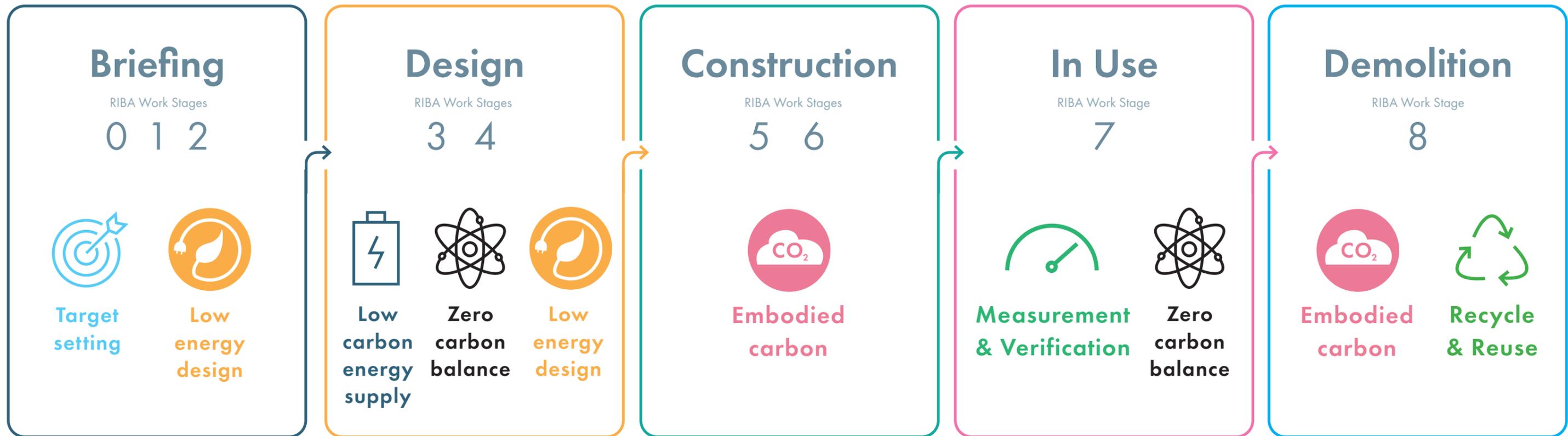


# Net Zero Carbon Lifecycle



By **2025**  
all new buildings will need to be designed to meet net zero carbon.

By **2030**  
all new buildings must operate at net zero to meet our climate change targets.

Our primary contribution to net zero is through our designs. As part of the construction supply chain, our actions and approach as **certified Low Carbon Consultants** will ultimately improve the operational effectiveness of buildings, reduce energy consumption, carbon and energy bills. We identify sustainable alternatives as part of our design process to enable client choice.



# Our approach to Net Zero Carbon

BRENTWOOD

Brentwood is committed to monitoring and reducing CO<sub>2</sub> emissions across our business in terms of how we operate and how we design services. We are developing a framework to establish our route to net zero carbon by 2030.

Brentwood is a signatory of the UK Building Services Engineers Declare Climate and Biodiversity Emergency and we are certified **Low Carbon Consultants**. We are working towards achieving ISO14001 certified Environmental Management System.

**We are committed to achieving high quality, innovative, low carbon designs which contribute to sustainable buildings.**

From our experience, we know that early engagement is the key to assessing the environmental impact of building services, processes, equipment specification and construction methods. Early discussions with our client, stakeholders and the design team plus reviewing of outputs at key stages in the design will ensure key milestones are reached.

Supporting the Lead Designer in achieving a sustainable, low carbon and energy efficient design we:

- Ensure design partners and supply chain have aligned environmental commitments and monitor their own performance.

- **Set Sustainability KPIs** at the beginning of the project and review these at project meetings to ensure we are on track.
- **An Energy Report is produced** through iterative process and collaborative working to explore the use of various sustainable solutions, their impact on the building occupants, the environment and commercial targets.
- **An Energy Strategy is developed.** Our approach is based upon the application of an energy hierarchy. This method deals with reducing the requirement for energy as our first priority, followed by considering

the efficient use of energy and then finally the integration of low or zero carbon technologies. This sequential approach inherently offers best value for money against carbon savings.

This involves identifying:

- The use of energy efficient components to reduce carbon emissions and fuel costs for occupants, e.g. ground and air source heat pumps.
- Efficient use of resources and processes which minimise waste and maximise the use of recycled materials.

