



CIRCULAR TWIN REPORT



In comparison to the original school – built in 2017 - Circular Twin achieved:

67% **72%** **52%** **39%**

reduction
in whole life
carbon

reduction in up
front embodied
carbon

(48% reduction in lifecycle EC)
(Note: this meets the RIBA
2030 Climate Challenge
target<500kgCO2/m2)

reduction in
annual energy
consumption

reduction in
forest
consumption

(for products and 30-year UK offset)



Louise Townsend, Director of Social Value and Sustainability at Morgan Sindall Construction, said:

“This initiative has uncovered a revelation - that low carbon construction is inhibited by our industry’s reliance on traditional design and procurement approaches. The outcomes show that achieving low carbon buildings IS possible today.

“Our proposition is that by engaging with contractors at the design stage, we can work with customers to design significantly lower carbon buildings, whilst also working within their budget parameters.

“Ultimately, Circular Twin represents hard evidence of what can be achieved and is a much needed industry-led response to all the urgent challenges we face that will be highlighted at COP26 and have already been made explicit by the climate emergencies declared by local authorities around the country.”