

A foundation for change

Our approach to carbon reduction
in foundations and sub-structures

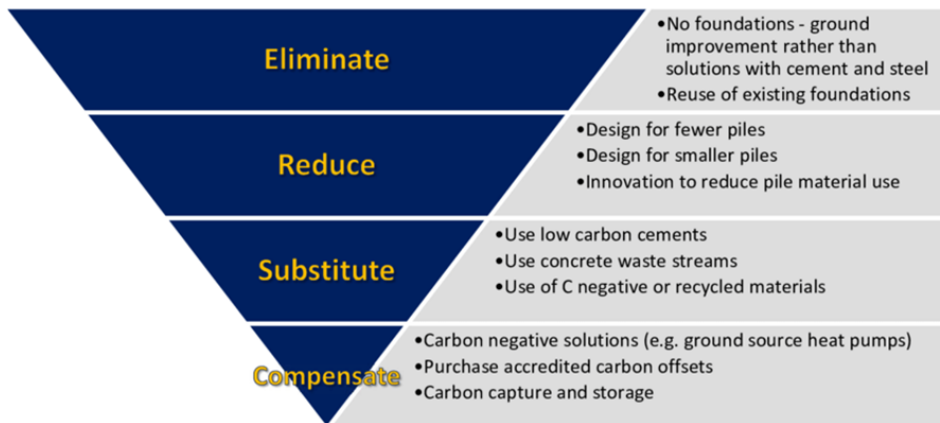


Redefining sustainable construction

At Hiperenergy we decarbonise foundations through an integrated approach, assessing embodied and operational carbon at each stage of the decision-making process.

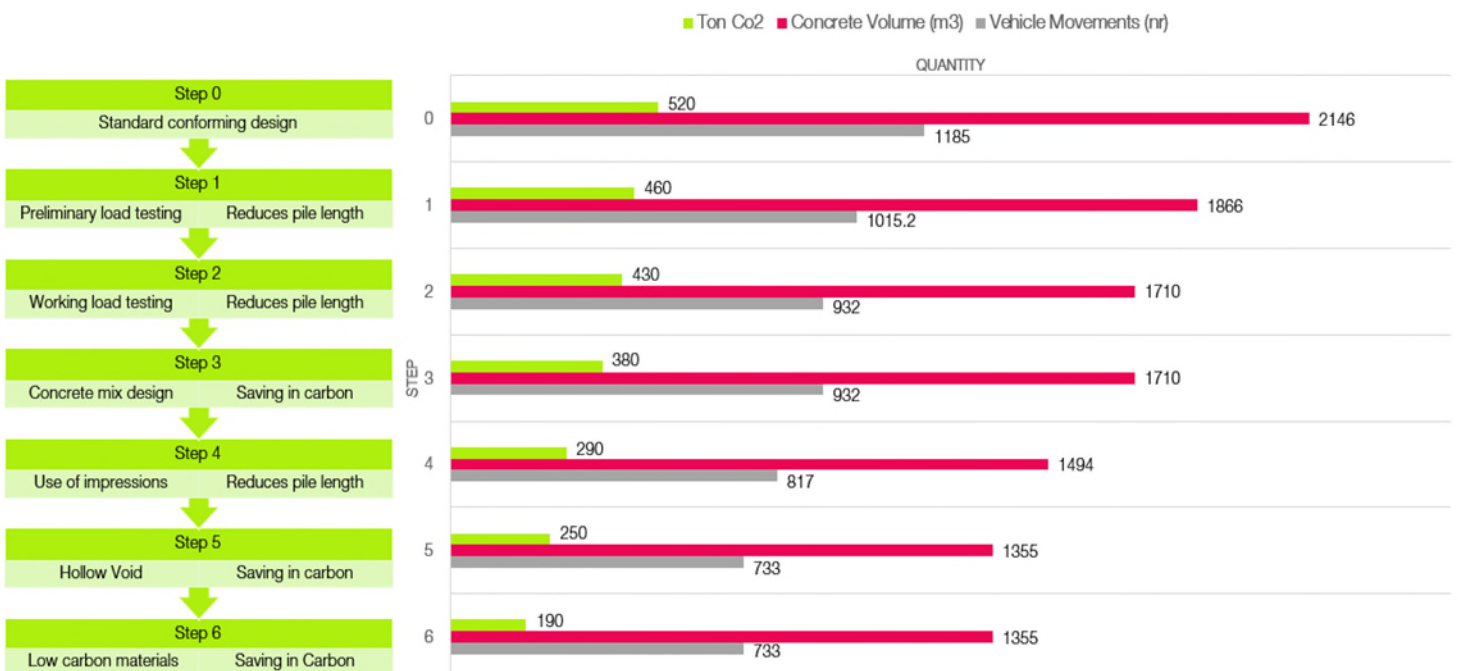
Our team of technical experts assess each project individually, developing tailored solutions that significantly reduce both embodied, operational and whole-life carbon in a move toward net-zero.

We follow the carbon reduction hierarchy as outlined below, thereby ensuring sustainability is at the forefront of the design development process.



Where elimination is not plausible, we substitute conventional foundation solutions for our low carbon alternative(s).

An example outlining the steps that we follow is shown in graphical format below, considering a typical pile and pile cap scheme. By adopting this approach, we are able to save >60% of carbon in the substructure alone.



A standard pile and pile caps scheme. 200Nr 600mm dia pile scheme, 2 piles per cap typically.



St Andrew's House
Portsmouth Road
Esher, Surrey
KT10 9TA

T: +44 (0) 20 7643 1000
E: enquiries@hiperenergy.com
hiperenergy.com

© This document is the
copyright of Keltbray
Holdings Limited.

Any unauthorised
reproduction or usage
by any person other
than the addressee
is strictly prohibited.