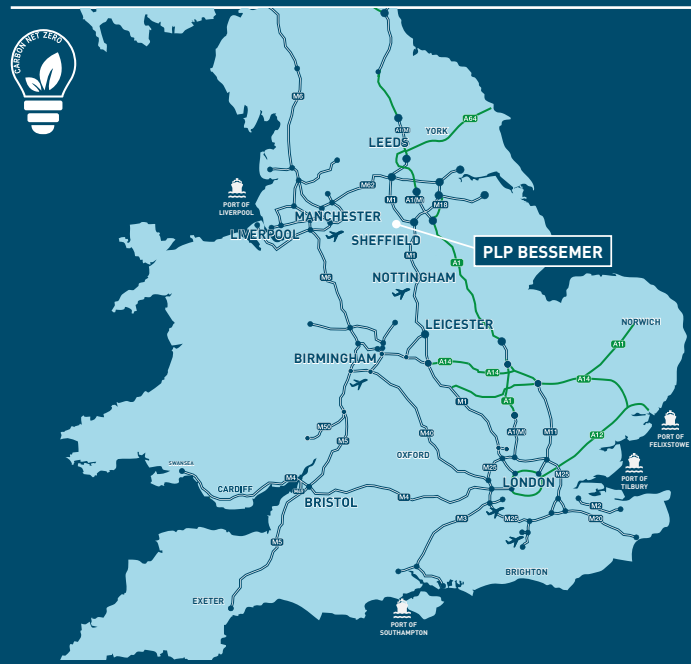




CARBON NET ZERO DEVELOPMENT



PLP SMITHYWOOD CASE STUDY

Size: 346,330 sq ft
 Sat Nav: S35 1QP
 Completion: August 2020
 Development: Speculative

Prime new logistics/industrial facility with immediate access to M1 J35. PLP Smithywood is **Net Zero Ready** in accordance with the **UKGBC Net Zero Carbon Buildings Framework**. Construction carbon has been assessed at design and 'as built' stages using licensed OneClick LCA software. Measures have been taken to increase operational energy efficiency, including the provision of **low carbon heating** and approximately **1,160 m² of solar PV**.



Unit Size **32,637 m²**



Total carbon saved / offset: **14,398 tCO₂**



Carbon neutral certified



ENERGY EFFICIENT OPERATION



1,160 m² solar PV array and future-proofed for more



Air source heat pumps and air to water heat pump



18 electric car charging points in the car park and future proofing of standard spaces



12% roof lights



Best in class air tightness



BREEAM Very Good



EPC A rating



Rainwater harvesting



LED lighting



Infrastructure provided for future installation of battery storage units

REDUCING CARBON CONSTRUCTION



Use of 'SteelPhalt' within the hard landscaping which uses 95% recycled materials



Reduction in as built carbon of 803 tCO₂ in hard landscaping areas.



Recyclable structure and cladding systems

INVESTING IN A SUSTAINABLE FUTURE: CARBON OFFSET PROJECTS



Supporting Sheffield Children's Hospital by sponsoring the "Bears of Sheffield" summer sculpture trail raising money for a new cancer and leukaemia ward



50% carbon offset to renewable energy and sustainable infrastructure projects in Asia



50% carbon offset to replacement of existing traditional cookstove with sustainable, high efficiency alternatives in Bangladesh



Building contractors required to employ a proportion of local tradespeople and disadvantaged workers