



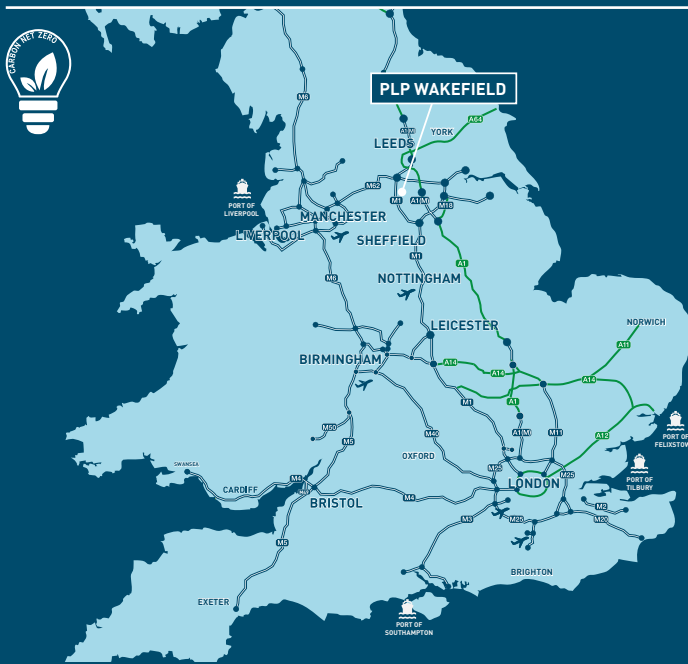
# CARBON NET ZERO DEVELOPMENT



## PLP WAKEFIELD CASE STUDY

Size: 75,105 & 236,250 sq ft  
Sat Nav: WF5 9TP  
Completion: April 2021

Prime logistics units with immediate access to M1 J40. PLP Silkwood is **Net Zero Ready** in accordance with the **UKGBC Net Zero Carbon Buildings Framework**. A **reduction in construction carbon** has been achieved at design stage through the specification of insulation with lower embodied carbon and through the incorporation of **cement replacement** in concrete for the construction **Operational energy measures** have also been implemented including **low carbon heating systems** and solar **PV panels**.



Unit 1 **21,948 m<sup>2</sup>** / Unit 2 **6,978m<sup>2</sup>** floorspace



Site area 16 acres



Total carbon saved / offset: **10,358 tCO<sub>2</sub>**



Carbon reduction achieved during construction: **892 tCO<sub>2</sub>**



Carbon Neutral Certified



# ENERGY EFFICIENT OPERATION



BREEAM Very Good Rating



Provision of a solar PV array generating 137 and 45kWp for Units 1 & 2 respectively



Each unit fitted with a dual 25KW DC rapid charger



Highly efficient VRV systems for space and water heating in office areas



All car / HGV parking bays future proofed to enable rapid charging stations



EPC A Rating



# REDUCING CARBON CONSTRUCTION



Specification of insulation with lower embodied carbon (mineral wood instead of PIR)



Incorporation of 50% Ground Granulated Blast furnace Slag (GGBS) cement replacement in concrete for the construction of drainage channels and manholes.

# INVESTING IN A SUSTAINABLE FUTURE: CARBON OFFSET PROJECTS



50% renewable energy and sustainable infrastructure projects globally, to support the drive towards a low carbon future



50% and replacement of existing traditional cookstoves with sustainable, high efficiency alternatives in Ghana.