An aerial photograph of a wind farm in a lush green, rolling landscape. Numerous white wind turbines are scattered across the hills, with some in the foreground and others receding into the distance. The terrain is covered in vibrant green grass, and the sky is a clear, pale blue.

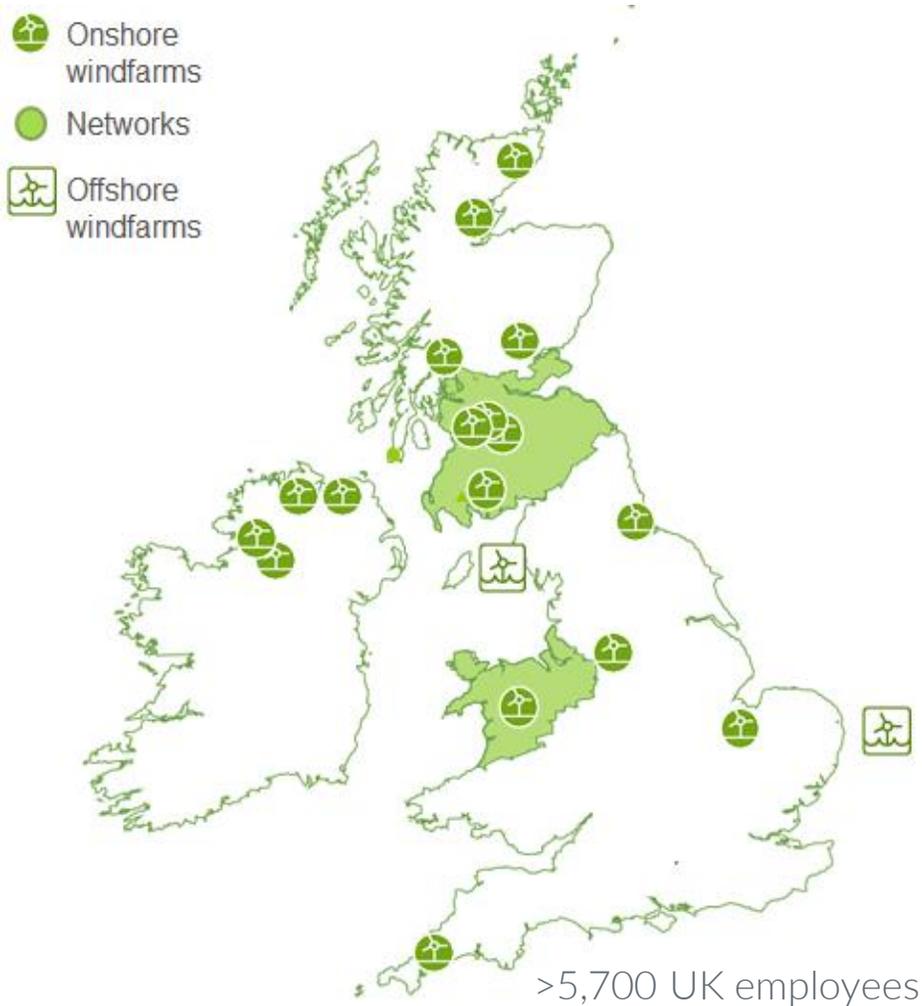
Green Hydrogen

The Hydrogen Transition: Creating market Pull

All-Energy 2023

10th May 2023

About ScottishPower



Iberdrola



PART OF IBERDROLA
A global energy company and world leader in wind



INVESTING IN THE UK
Investing over £10 billion in the UK between 2020 and 2025 (£47 billion worldwide)



GLOBAL SUPPLIER
Supplies energy to 100m customers globally

ScottishPower



RENEWABLES
40 operational windfarms in the UK with over 2,900MW of capacity



100% GREEN ELECTRICITY
First big energy company in the UK to produce 100% green electricity



UK SUPPLIER
Supplies energy and solutions to c.7m customers within the UK

Iberdrola Hydrogen Experience



Puertollano – Operational

- 20 MW Electrolyser Capacity
- Largest Green Hydrogen plant in Europe
- Designed, built and operated by Iberdrola
- Co-located with 100MW Solar PV
- Supplies Hydrogen to adjacent Fertiliser producer

TMB Barcelona– Operational

- 2 MW Hydrogen Production and Dispensing Facility
- Designed, built and operated by Iberdrola
- Supplies Green Hydrogen to a municipal bus fleet
- Commissioned in Q1 2022



Whitelee Hydrogen Overview

10MW Green Hydrogen Production Capacity in Phase 1

1

- Expandable to 20MW in phase 2
- Project Developer/Owner/Operator: ScottishPower
- Location: Whitelee Onshore Windfarm - 15 miles south of Glasgow
 - 539/217 MW's of Renewable Generation Capacity
 - ScottishPower Renewables Operation Centre
- Existing Grid Connection
- 5t's of Static Storage – associated with Storage at Scale
- New on-site solar up to 40MW
- Off taker Strategy: Portfolio of Industry plus Transport
- Hydrogen Distribution: Road Haul via tube trailer



Energy

- The Project will have access to ScottishPower 3GW of renewable capacity both onshore and offshore
- Results in a operating capacity of 95%
- 100% LCHS compliant