

PLANNING FOR HYDROGEN INFRASTRUCTURE 2025

8 MAY | LONDON



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Ahead of [Planning for Hydrogen Infrastructure, taking place 8th May in London](#), **Phil Hardman, Hydrogen Customer Manager, ScottishPower** shares thoughts on the opportunities for hydrogen development.

HOW CAN NEW HYDROGEN PROJECTS OVERCOME PLANNING BARRIERS FACED DURING DEVELOPMENT?

It is important to have socialisation of projects by engaging with key stakeholders (academia, supply chain, off takers, local authorities etc).

We need to have the local community involved and promote the benefits (area investment, jobs & skills, reducing emissions etc).

WHAT STEPS CAN THE SECTOR TAKE NOW TO SCALE UP PRODUCTION AND UNLOCK LARGE-SCALE DEVELOPMENT?

Larger MW projects should be explored resulting in economies of scale. This would provide a greater demand for supplies production and engineering demand. These larger plants would create jobs and opportunities for engineering companies. Scottish Power are currently exploring and completing feasibility studies on larger scale plants, so we are at the forefront for UK green hydrogen production.

WHY IS INCREASED HYDROGEN PRODUCTION NEEDED IN THE UK? WHAT INDUSTRIES CAN BENEFIT FROM HYDROGEN SUPPLY?

Electrification is not always possible, or the best solution for the consumer. Energy intensive industries can be too costly for electrification to be a viable solution and in rural locations the electricity infrastructure cannot always cater for such a demand of power. High temperature processes and carbon intensive industries have been identified as key growth areas for green hydrogen production and consumption. Therefore increased green hydrogen production is important.

Scottish Power are focussing on key industries that we have identified to be perfect for decarbonisation through green hydrogen adoption. Industries such as ceramics, distilling, and agriculture are well suited to this transition due to the high heat processes involved and the ability to blend hydrogen with natural gas is necessary.

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