

## A brief overview of hydrogen for heating

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### Who we are

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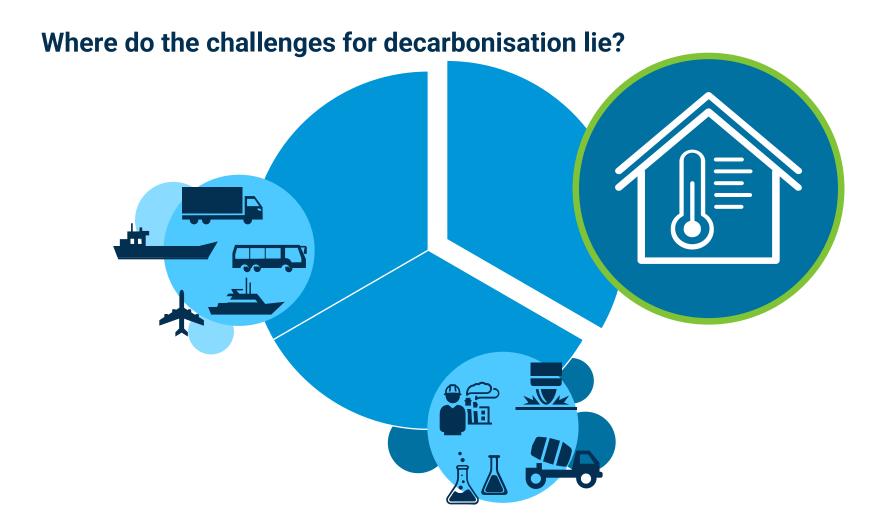
Since 2001 we have been accelerating new technologies, markets and business models We are impartial, rigorous and innovative We know what works, and what doesn't



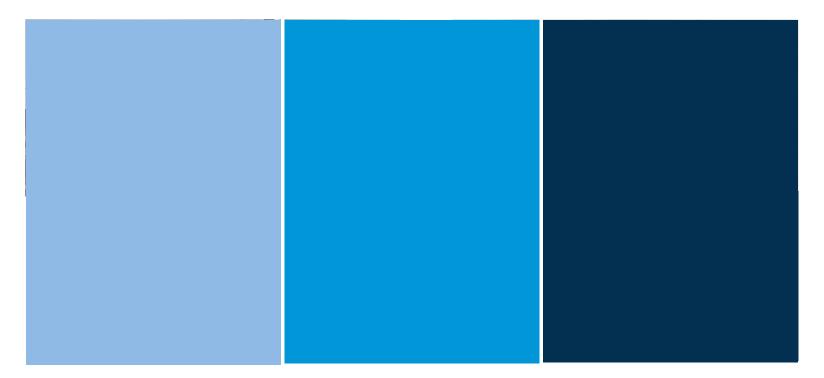
#### What we do





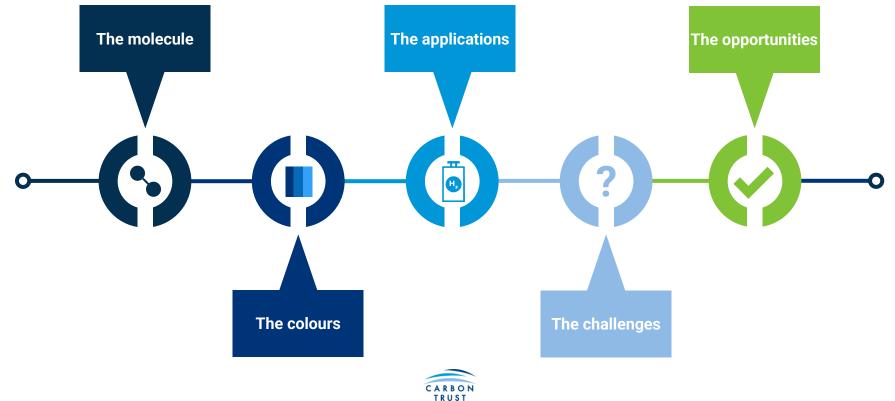


#### What are the challenges for heat pumps?

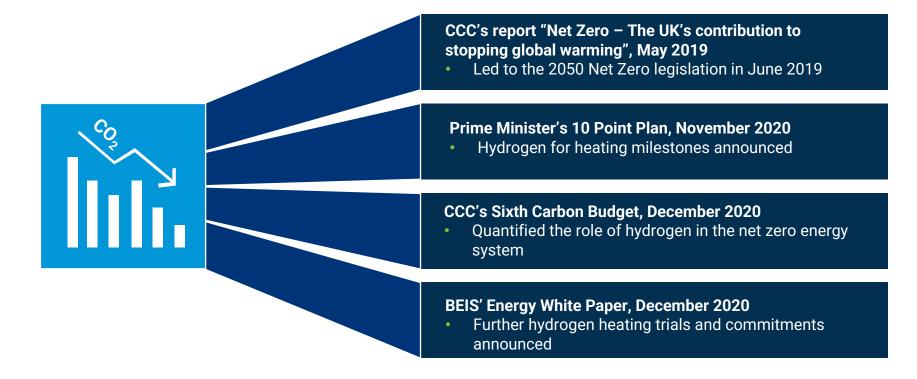




#### **Brief introduction to hydrogen**



#### **Overview of national ambition and plans**



#### Where we are, where we're going



#### **Flexibility in Great Britain report**



The project set out to understand the role and value of flexibility in meeting net zero targets.

This builds on our 2016 analysis on electricity flexibility for BEIS.

We have updated and expanded the analysis to cover heat, transport, hydrogen and power in a net zero energy system.

The report is the output of 18 months of rigorous independent analysis.

Given the transition to the net zero energy system requires significant collaboration we convened a cross-sector consortium.

To support decision making we engaged closely with BEIS, Ofgem, CCC, NIC, National Grid ESO and Innovate UK.

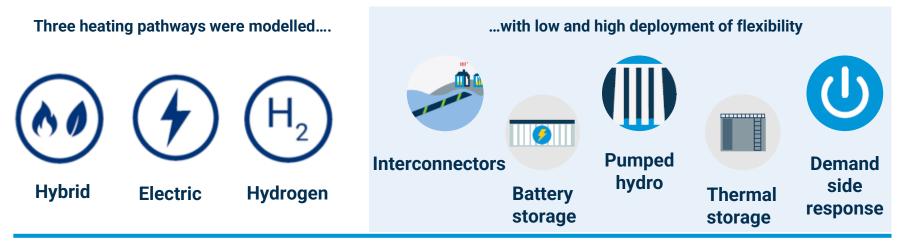




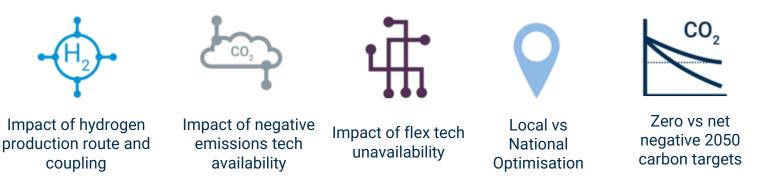




# Exploring multiple scenarios informed understanding of the value of flexibility



Sensitivity analysis explored impact of wider system changes..







# Thank you

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