

The H2FC Supergen Hub

Opportunities for Early Career Researchers

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H2FC SUPERGEN
THE HYDROGEN AND FUEL CELL RESEARCH HUB

www.h2fcsupergen.com

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H₂FC SUPERGEN

Aims and Objectives

- The Hydrogen and Fuel Cells (**H₂FC**) **SUPERGEN** hub funded by the Research Council's UK Energy Programme, (three phases over May 2012 – January 2020)
- **SUPERGEN** is part of the UK Energy Programme's **Sustainable Power Generation and Supply** initiative

Three primary functions:

Transformational Research

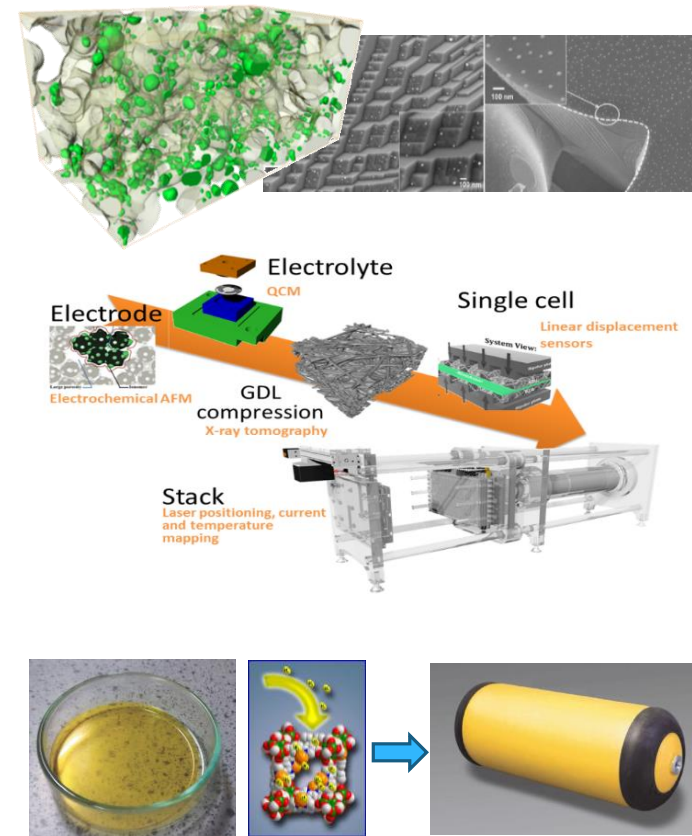
that enables the application of hydrogen and fuel cells in the energy landscape

Informing Stakeholders

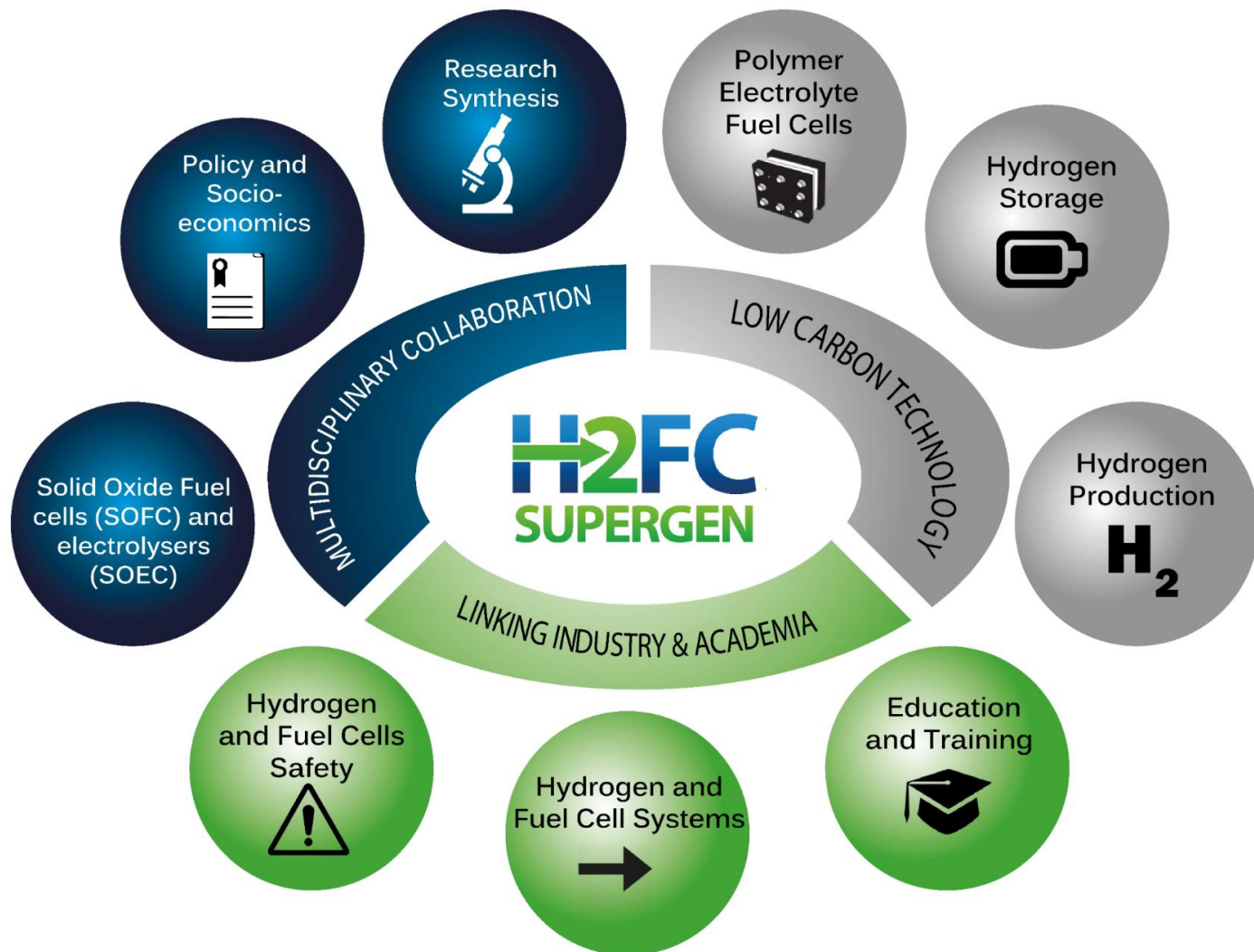
of the roles and benefits of hydrogen and fuel cell technologies

Building Networks

between the academic research base and industry, builds partnerships across the sector



H2FC SUPERGEN Research Scope



low-carbon heat

energy security

future energy systems

economic impact for the UK



Hub partners and impact (2012-2020)

21 UK + 8 International Universities, £20m over 7 years

Core Hub Research Universities

Imperial College
London



Other UK Universities with Hub Projects



International Partner Universities




~**500**
NETWORK MEMBERS


400+
PAPERS IN HIGH IMPACT JOURNALS


32
PROJECTS FUNDED


34
INDUSTRIAL PARTNERS


21
UK UNIVERSITIES


8
INTERNATIONAL UNIVERSITIES


4
PATENTS


4
WHITE PAPERS

Science board includes more than 100 members; find our [capability document online](#)

Hub supports Early Career Researches

Opportunities and Impact

- * Past Flexible Funding for ECRs – 500k (100k each PI)
- * Centre for Doctoral Training in Fuel Cells and their Fuels – 5 UK universities
- * Presentations and networking in Hub Research Conferences well attended by representatives from academia, industry and government
- * Knowledge exchange workshops, stakeholder engagement meetings and white papers launch
- * Visibility through [capability document](#)
- * Data from June 2016 showed that 40 PDRAs have been on Hub projects: 11 went on to another PDRA position outside the Hub, 16 PDRAs went onto academic positions, one went into industry and 3 went onto government positions.

Future opportunities for Early Career Researchers

- * Future calls for flexible fund research, to support the industrial challenge call £200k
- * Workshops
- * Two upcoming reports
 - * UK industrial strategy opportunities from hydrogen and fuel cells
 - * Delivering negative emissions from biomass derived hydrogen
- * Research Conferences



H₂FC Supergen Hydrogen Research Conference 2020

17th to 18th February 2020, University of Nottingham – SAVE THE DATE!

- Join us at the most significant annual gathering of hydrogen and fuel cell researchers in the United Kingdom.
- Bringing together the entire hydrogen and fuel cell research community, inspiring collaboration and driving innovation.
- **Theme 1:** Hydrogen Production
- **Theme 2:** Hydrogen Storage
- **Theme 3:** Fuel Cells
- **Theme 4:** Hydrogen/Fuel Cell Systems and Applications
- **Theme 5:** Hydrogen Safety
- **Theme 6:** The role of hydrogen and fuel cells in the energy system
- **Theme 7:** Policy, economic and social aspects of hydrogen and fuel cell technologies

