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The Hydrogen Office from concept to reality

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www.thehydrogenoffice.com

THE HYDROGEN OFFICE

Building a sustainable future



PROJECT PART-FINANCED
BY THE EUROPEAN UNION

Europe and Scotland
Making it **work together**



Scottish Enterprise



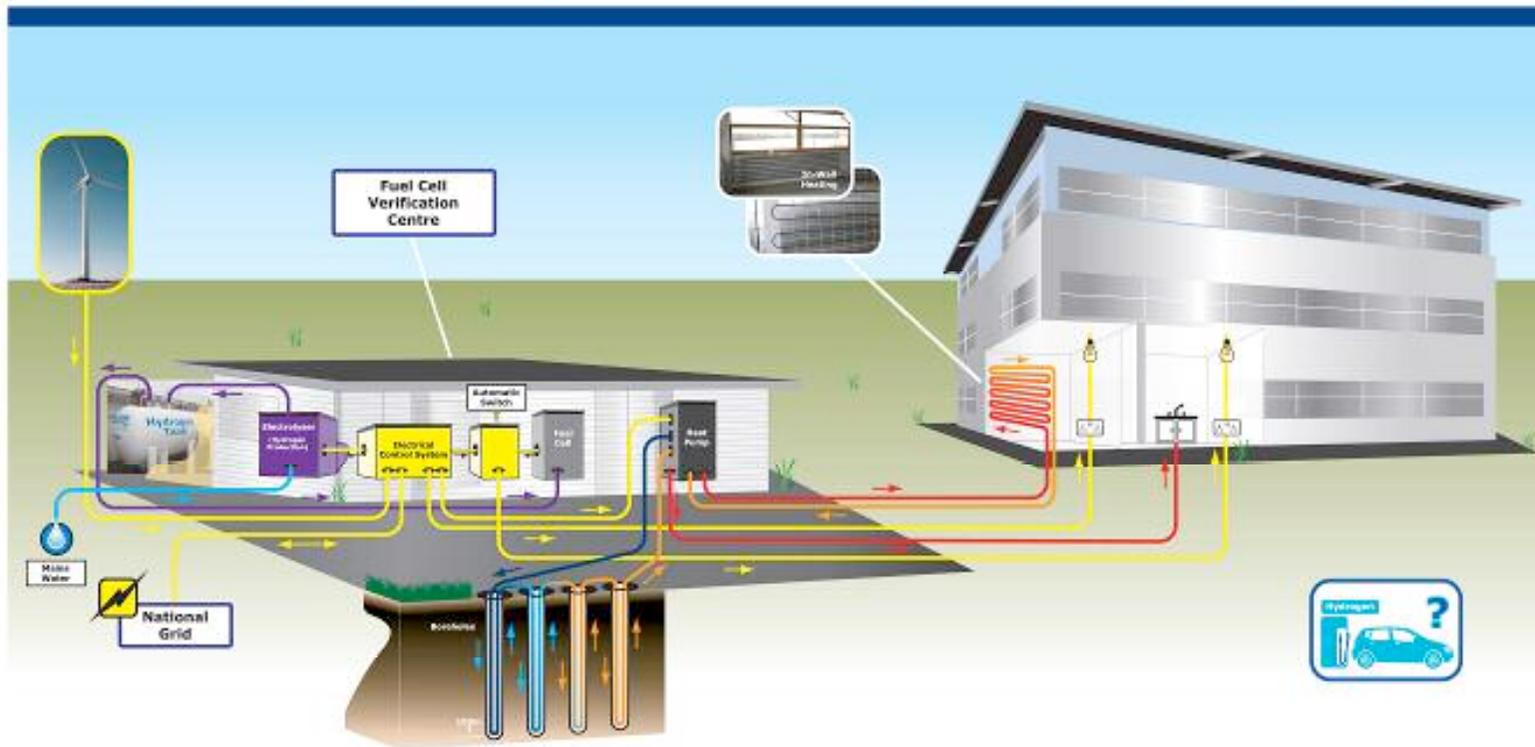
The Scottish
Government

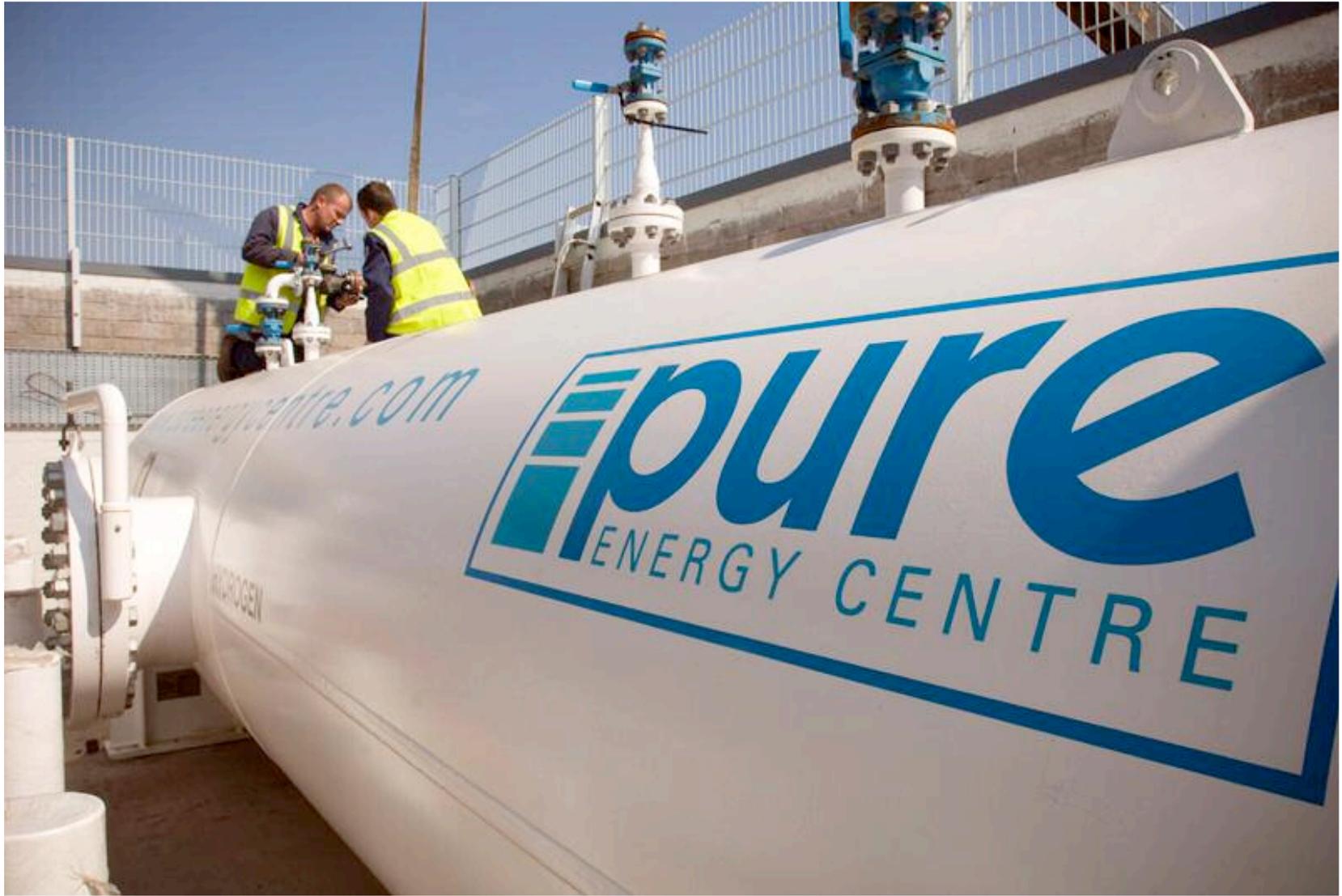
Alsherra
Investments Ltd











Project Aims

- Working to support the accelerated development of the industry, by:
 - Raising its profile
 - Improving access to and understanding of the technology
 - Promoting the benefits
 - Challenging the barriers
- Demonstrating live technologies
- Highlighting the scale of the opportunity for Scotland
- Facilitating research and development
- Supporting education and skills development

What next?

Following prolonged delays in securing a water connection, we are now due to take possession of the Hydrogen Office next week

- The Electrolyser is due for installation in October, and
- The Wind turbine due for installation in January

In preparation for this, the Hydrogen Office Ltd (HOL)

- Has recruited a full time Demonstration Centre Manager and is gearing up for its operational phase
- Has recently secured £500,000 of European revenue funding to support a partnership project including SHFCA, St Andrews University, and Strathclyde University with a focus on technology & knowledge transfer

Priority activities once operational

- i) To facilitate / deliver workshops and disseminate information to key stakeholder groups with an interest in the development of the H&FC industry (e.g. political, regulatory, commercial, consumer)
- ii) To work in partnership with industry to raise the profile and understanding of the technology
- iii) To establish an educational programme for H&FC sector

Partnership and collaboration

The Hydrogen Office is keen to build partnership and collaboration opportunities in a number of areas, including:

i) Education

ii) Demonstration

- Transport

iii) Testing and verification

- Combined heat and power fuel cells
- Storage technologies

The Scottish Opportunity

- i) Significant progress is being made in supporting the development of renewables through the Renewable Obligation, and the proposed Feed in Tariff (FITs) should only serve to further accelerate the uptake of renewables
- ii) Energy storage technologies can enable Scotland to achieve greater penetration and security from intermittent renewables
- iii) Projects exist to demonstrate the technology is available and does work
- iv) The lack of significant development in this sector reflects that there is insufficient value to warrant investment in energy storage
- v) Government Policy will be key in 'kick starting' this industry sector

Thank you