



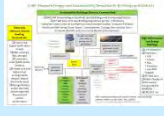


# CoRE Innovation Region: Vision 2030

- 26,000 population in numerous towns and villages
- Windfarms and other Local Businesses
- 26+ Post Industrial Sites with good renewable potentials
- Power Generation, Heat and Storage/Flex potentials mapped.
- Significant Council Capital Project Spend
- Strong Community and Local Industry

## Extensive list of region wide transition projects / Regional Digital Twins

				
Local Smart Grids Rural and Towns, Industry Clusters.	Large Scale Batt / H2 CCGT / FC balancing / flex	Region wide Active and LC transport network	New Industry to former Industry Sites	Sustainability upgrade Template applied to Towns, Neighbourhoods

## CoRE Innovation Centre



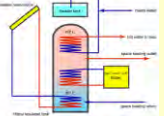



### Catalyst for Energy Transition across CoRE Region

**Exemplar non-domestic building:**  
 Passivhaus, HP, Thermal Store, PV, 1MW Battery, Data Hub, Flex VPP Controls, Tariffs, Active + Low Carbon Travel, Apps. Public engagement and innovation spaces.




**Community and industry Engagement and Collaboration Spaces**  
 Commercial value propositions  
 STEM education pathways apprentice to PhD  
 Data / Communications / Digital Twins

### Cross Disciplinary Engagement Research and Innovation

					
New and Retrofit Buildings, Districts, Places	Power gen, store, flex, IT	Heat, store, flex	H2 for heat and transport	Geology, ecology, environment	Active + Low Carbon Transport, 15min districts

Just transition Values / Benefits / Economy

Industry and Community Pathways



**Delivering Innovation with Validated Real World Benefits In Collaboration with Research, Industry, Local Authority, NHS, Education, Agencies, Partners and Community**

