



Energy for
generations

ESB GT Hydrogen in UK & Ireland

Catherine McHale NI Hydrogen Development Lead



Our Future – Delivering Ireland’s Net-Zero Ambition



>30GW Renewables



>10GW Backup Dispatchable
Zero-Carbon Power & Flexibility

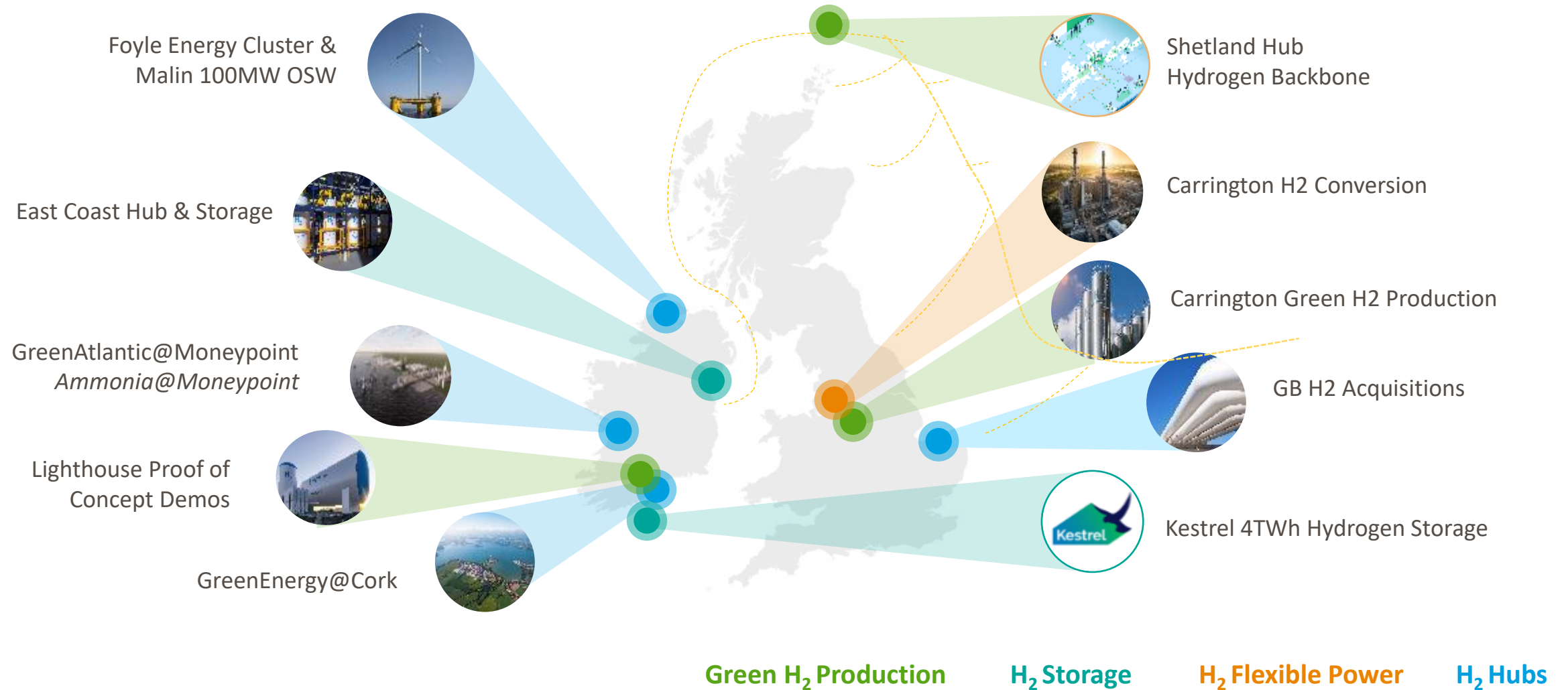


>10GW Hydrogen Production



5 – 10TWh Storage

Delivering Net-Zero – Hydrogen, Ammonia and Long Term Storage



What are the projects in NI

Fuel Cell Trials

- Working with industry to provide demonstrations where hydrogen fuel cells can be used to replace diesel generators.

Hydrogen Innovation Project

- Small pilot project using excess wind to produce green hydrogen for use on site.

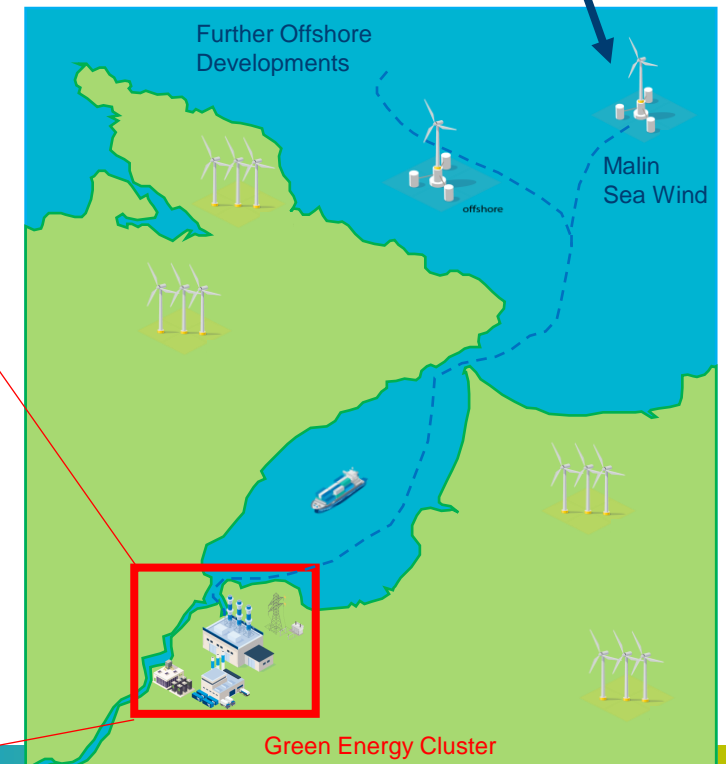
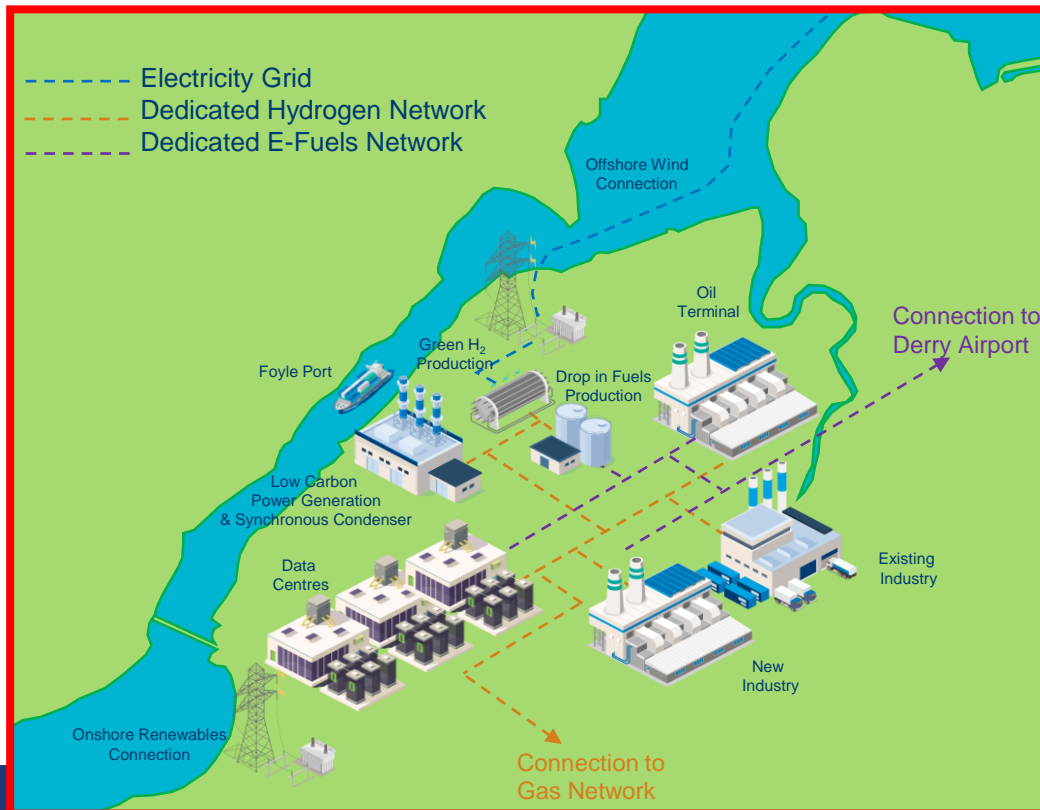
Hydrogen from excess wind in NI

- 5MW project targeted for HAR3, produce green hydrogen from excess wind in NI, potential e-fuel production

Pre-2030

100 MW floating offshore wind project
 Exclusive development rights awarded to ESB in 2023
 Construction – 2030, Operation – 2031 to 2056

Post-2030
 Foyle Green Energy Hub



ESB's First Step on our Hydrogen Journey!

