

Deployment Lessons for Clean Energy Integration

LOGAN ENERGY

Public-service
hydrogen reliability



Belfast Public Transport Hydrogen Refuelling Station

1MW electrolyser at 20MW wind farm

3,000+ kg/day @ 350bar

20 bus back-to-back refuelling in 5 hours

Local renewable
production, storage
and distribution



Dorset Green Hydrogen Centre

Hydrogen production powered from a local solar farm

Hydrogen compression and tube trailer filling with capacity
of 388 kg/day

Hydrogen beyond
mobility: heat, power
and resilience



Wind/Solar to Hydrogen - Zero Emission Distillery

Optimisation of on-site renewable energy for H₂ production,
storage and use in steam boilers, offsetting the use of fuel oil

Export of excess hydrogen