

Multi-Purpose Interconnectors

Achieving grid resilience and flexibility in a low carbon world



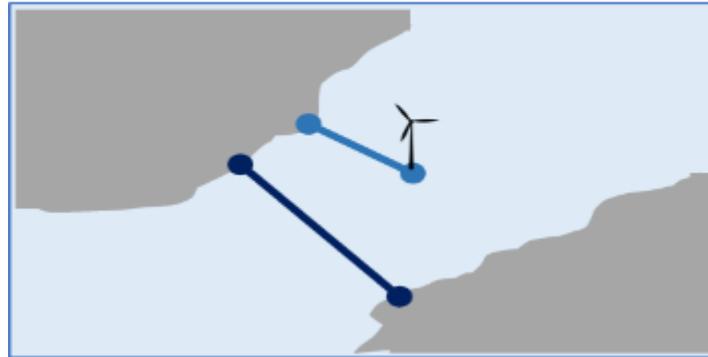
Nick Pittarello
Head of Future Interconnection

All-Energy Conference, 10th May

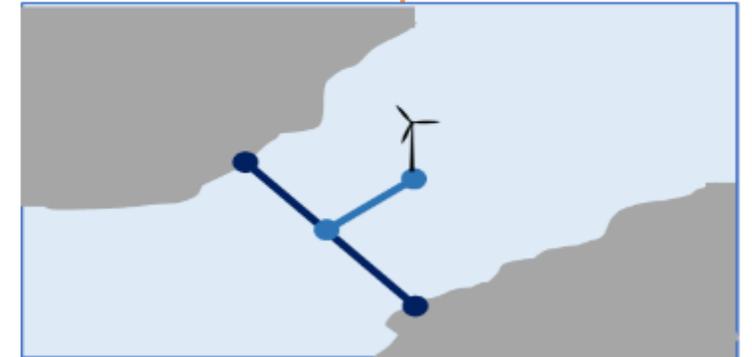
A project that combines cross-border interconnection with the transmission of offshore generation

- *Also known as 'hybrid projects'*
- *New concept- only existing example Kriegers Flak*
- *Vision for a North Sea offshore grid*

Interconnectors and radial offshore wind

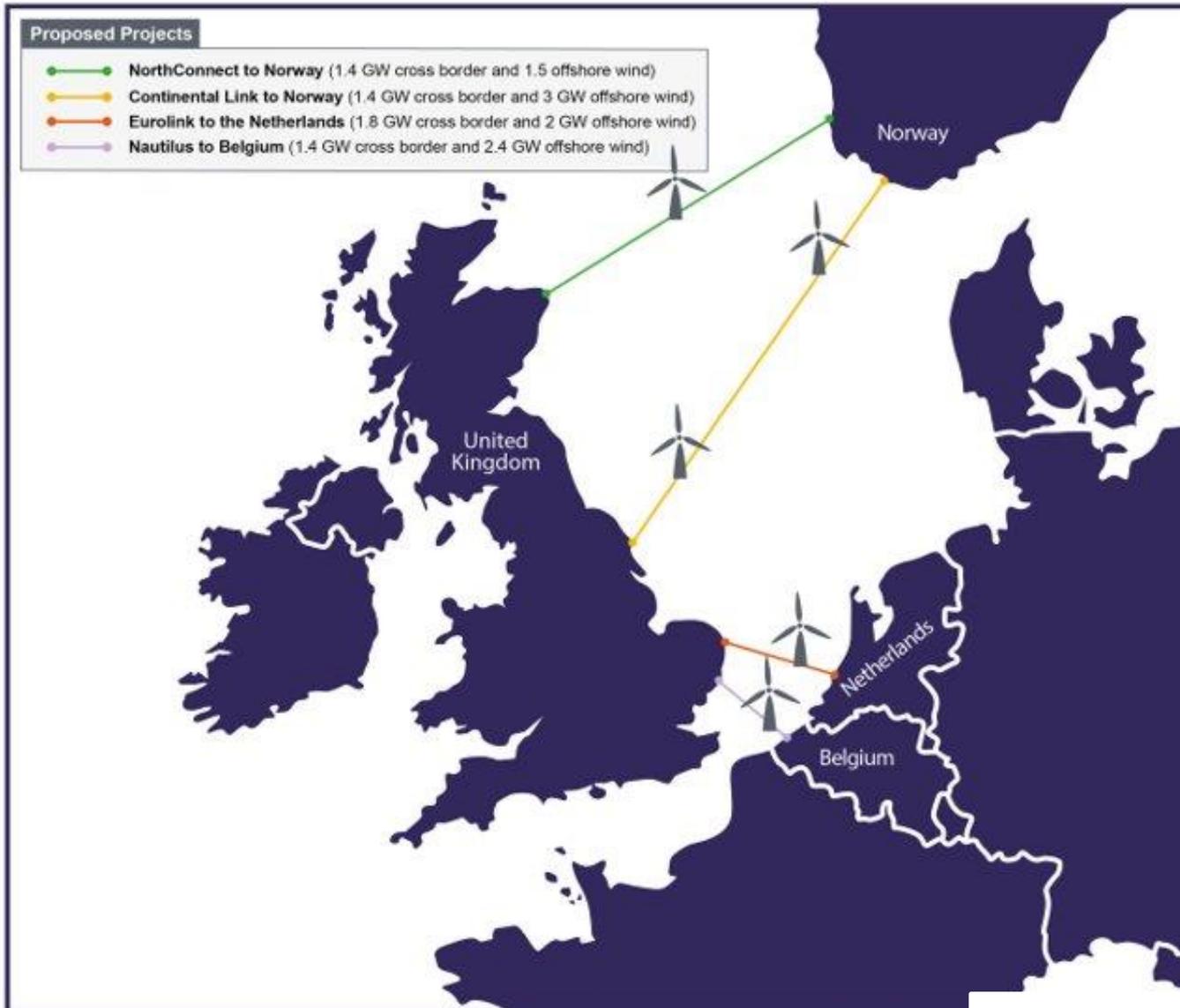


Multi-purpose interconnectors



Benefits:

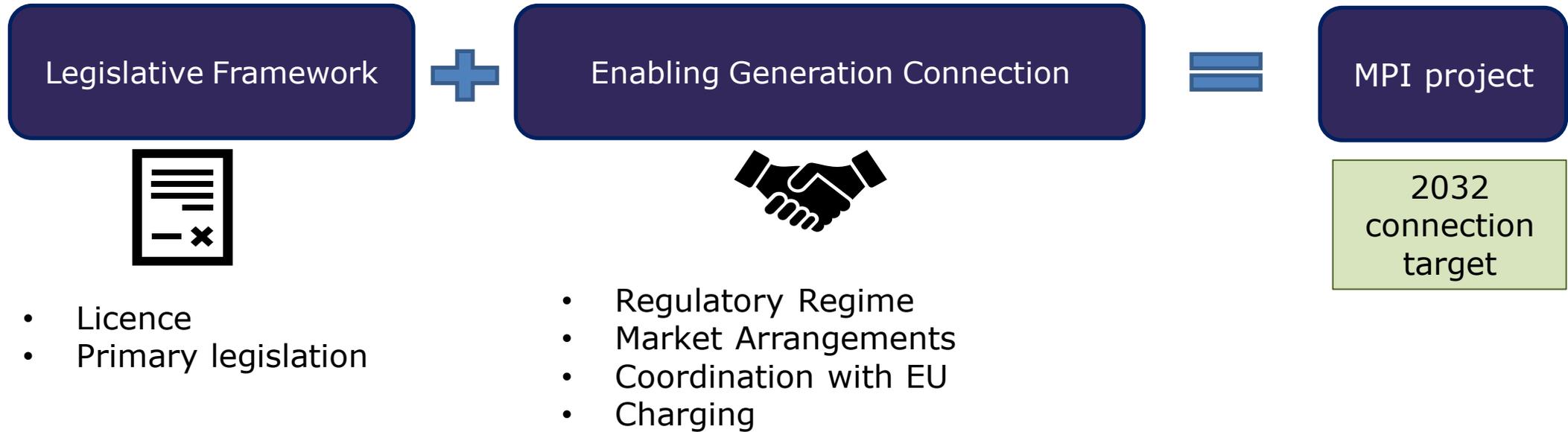
- ✓ Reduce impact on coastal communities and marine environment
- ✓ Cost-efficient use of infrastructure by helping deliver offshore windfarms
- ✓ Help with net zero targets by introducing renewable energy to the grid
- ✓ Contribute to security of supply through diversified pool of generation



MPI Pilot Scheme opened autumn 2022 to create a regulatory framework to enable early opportunity MPIs

4 projects applied

Interconnectors	
Current operational capacity	= 8 GW
Projects in development	= 7 GW
UK gov ambition for 2030	= 18 GW
New proposed I/Cs	= 9 GW
MPIs	
Proposed capacity	= 3 GW



- ① Treatment of unique assets such as offshore converter platform
- ① How can congestion revenue be used and shared?
- ① How can wind farms be incentivised to connect?
- ① How will operations work?

