

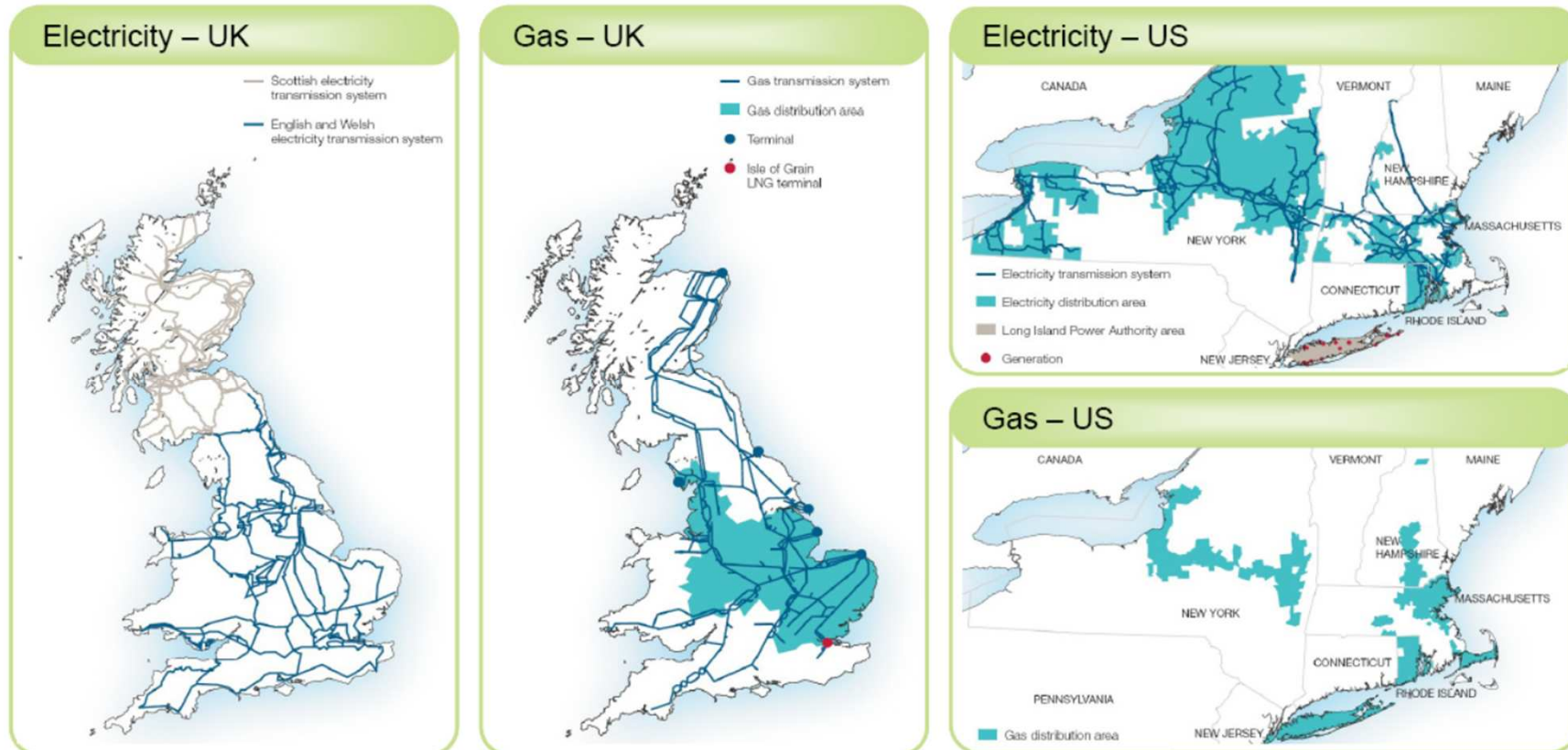


HVDC Projects within the UK

Caroline Bradley

National Grid European Business Development

Who are National Grid



Historic & Existing HVDC Links

Moyle

Commissioned 2002

450MW, ± 200 kV

East – West

Commissioned 2012

500MW, ± 200 kV

Britned

Commissioned 2011

1000MW, ± 450 kV

IFA 2000

Commissioned 1986

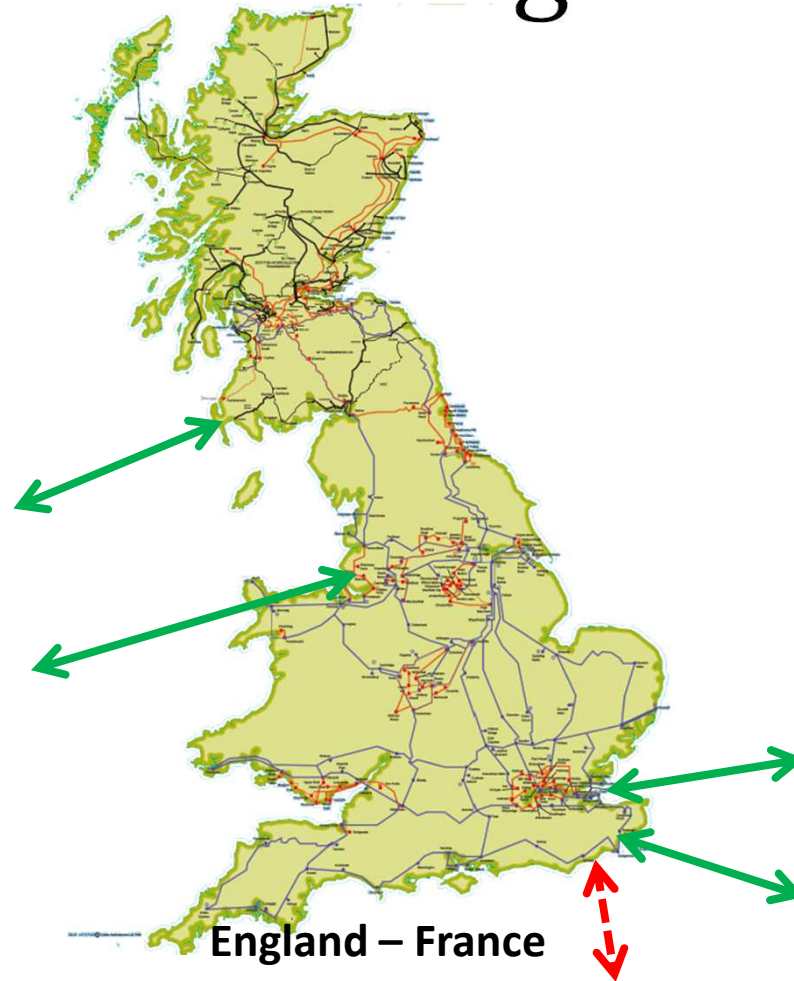
2000MW, ± 270 kV

England – France

Commissioned 1961

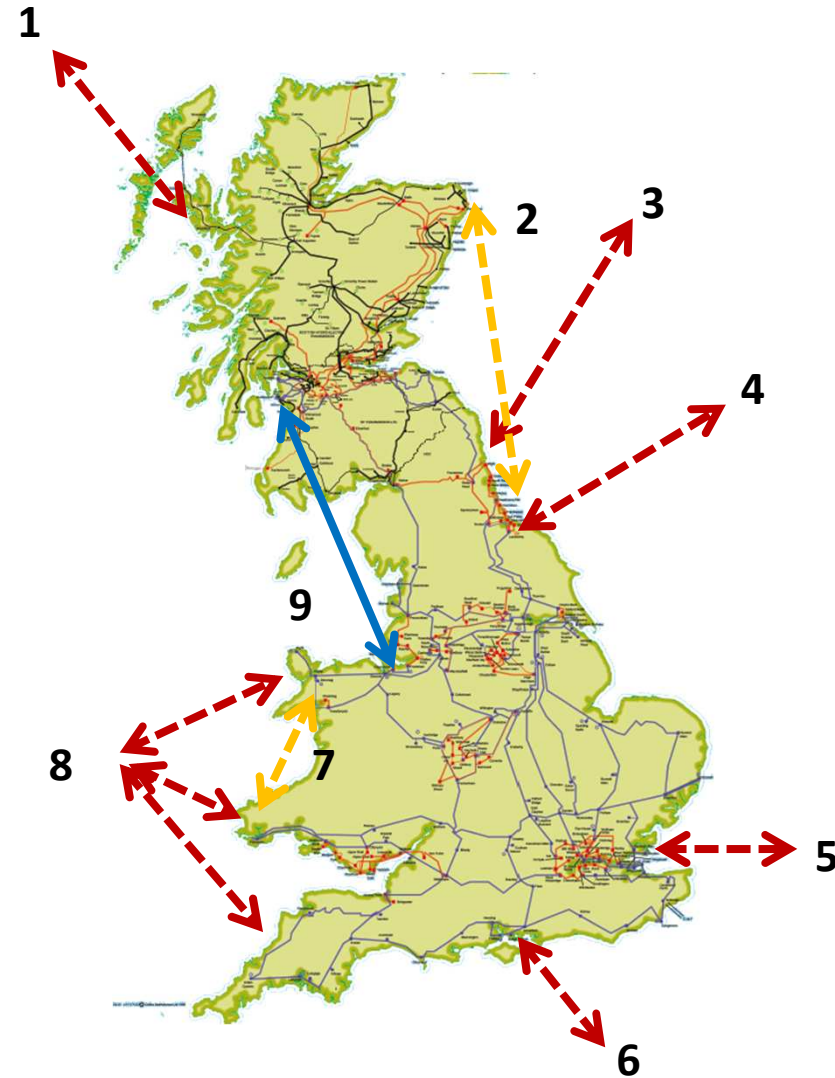
Decommissioned 1984

160MW, ± 100 kV



Potential National Grid HVDC Projects

Project	Capacity (MW)	Commissioning
1. Icelink UK – Iceland	1000	2020
2. Eastern Link	2000	TBC
3. NSN UK – Norway	1400	2020
4. UK – Denmark	1000	2020
5. Nemo UK - Belgium	1000	2018
6. IFA 2 UK – France	1000	2019
7. Wylfa – Pembroke	Upto 2500	TBC
8. Irish Wind UK - Ireland	Upto 5000	2017-2020
9. Western Link	2020	2016





Other Potential UK Projects

Project	Capacity (MW)	Commissioning
NorthConnect UK – Norway	1200 - 2000	2020
Eleclink UK – France	500 - 1000	2015
FAB France – Alderney - Britain	500 - 2000	2017- 2024
Western Isles Scotland	450	TBC
Shetland Link	600	2018