

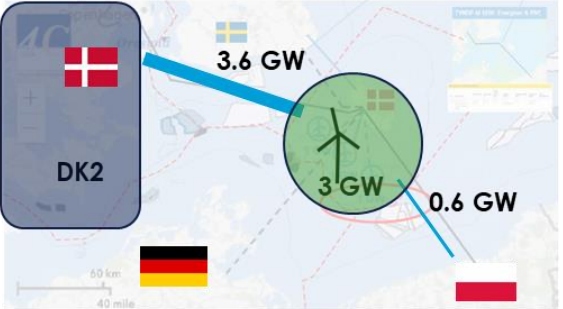
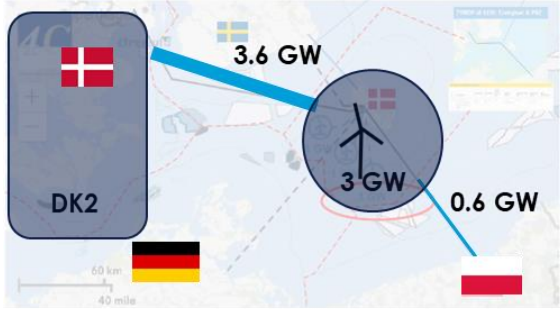
# Offshore island configuration and Market effects

## Bornholm island (Baltic Sea)

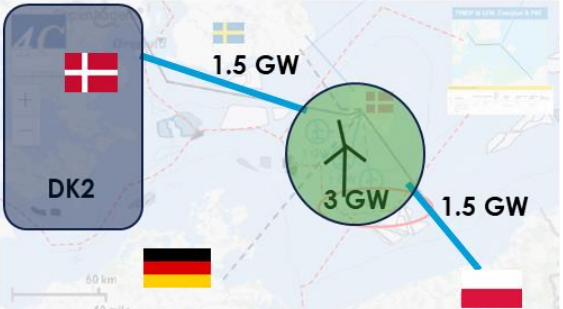
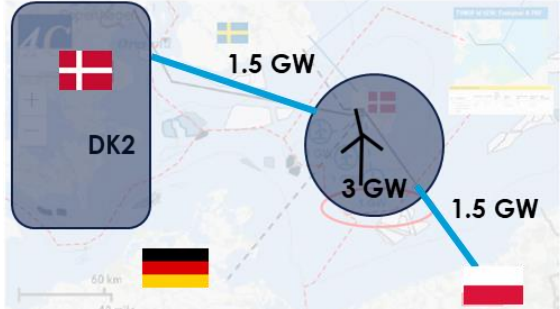
## Danish North Sea island



3.6 GW to DK2  
0.6 GW to PL



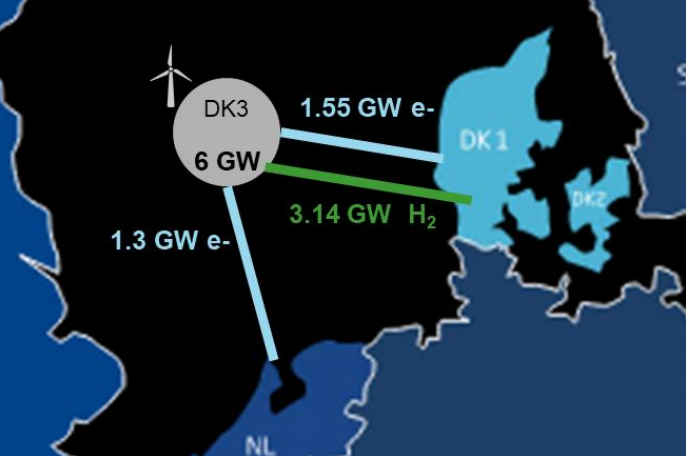
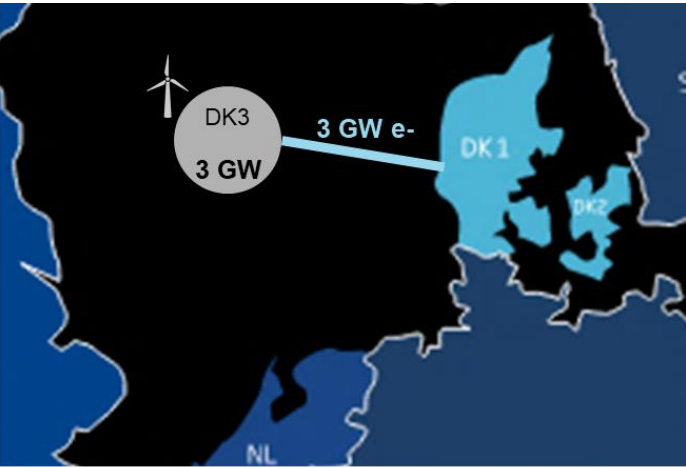
1.5 GW to DK2  
1.5 GW to PL



3 GW generation

6 GW generation  
Hydrogen pipeline to DK1 + cable to NL

### Offshore bidding zone



Source: <https://www.promotion-offshore.net/>

# What are the factors, market indicators and impacts?

## Factors

### Capacities

- Wind generation
- Hydrogen Production
- Interconnection

### Connectivity

- Single vs multiple countries
- Concrete markets (NL, UK, DE, DK, BE, etc)

### Bidding arrangement

- Home Market Bidding Zone
- Offshore Bidding Zone

## Market indicators

### Prices

- Electricity
- Hydrogen

### Flows

- Electricity
- Hydrogen

**Generator Dispatch**

## Impacts

**Generator revenues**

**Congestion rents**

**CO2 emissions**

**RES curtailment**

# Market driven offshore island development pathway

