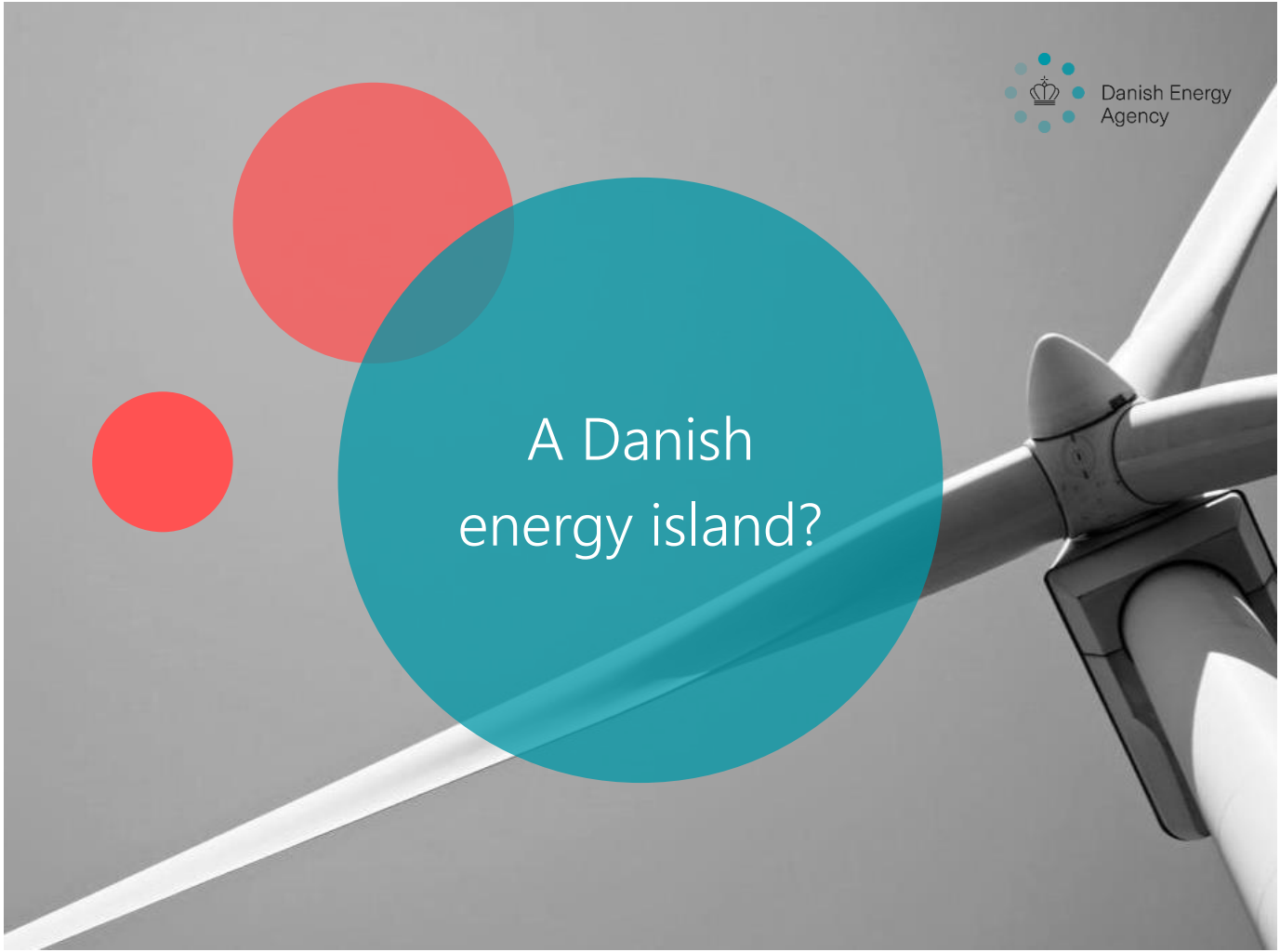

Danish Energy
Agency
A Danish
energy island?

# Political backing

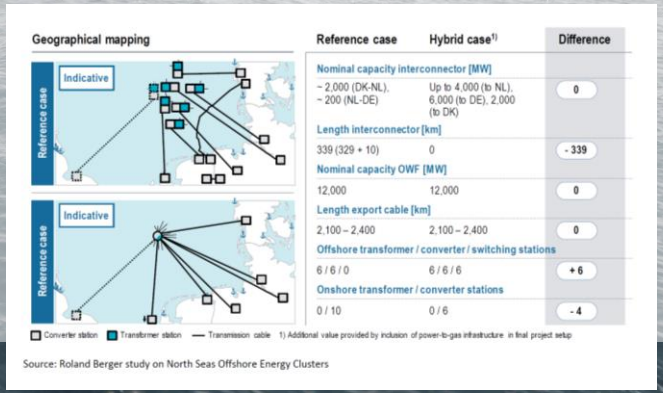
**Common understanding among parties supporting the Danish government**

”test the option for Denmark to build the first energy island with minimum 10 GW by 2030”

# Building on previous work

## North Sea Wind Power Hub

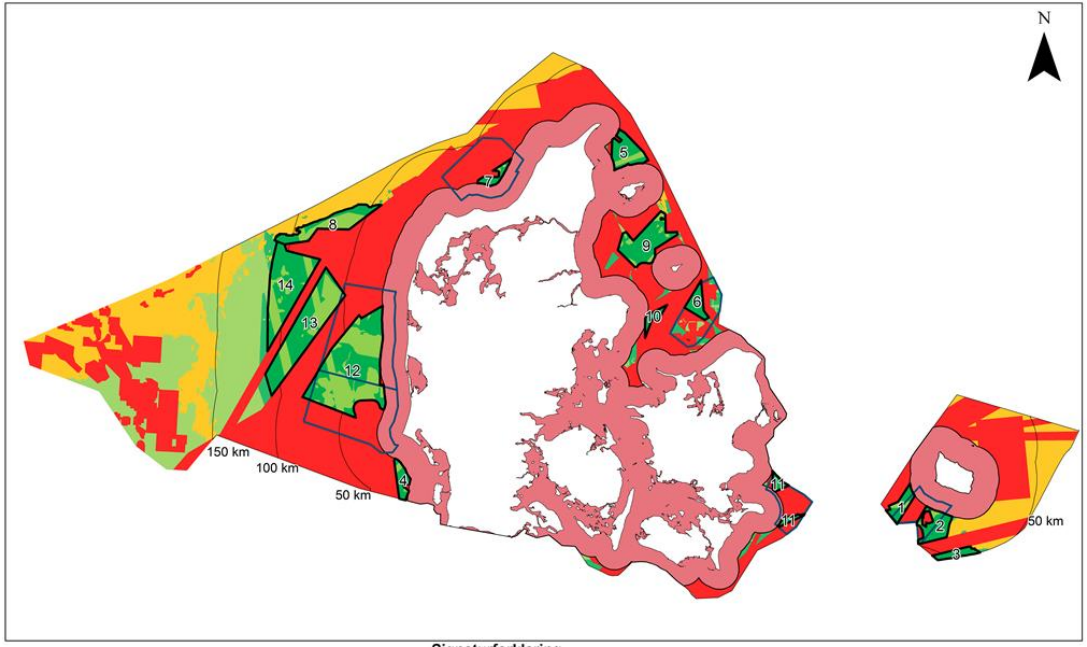
## Roland Berger - 2019




| | Reference case | Hybrid case[1] | Difference |
|---|---|---|---|
| Nominal capacity interconnector [MW] | | | |
| | ~ 2,000 (DK-NL), ~ 200 (NL-DE) | Up to 4,000 (to NL), 6,000 (to DE), 2,000 (to DK) | 0 |
| Length interconnector [km] | | | |
| | 339 (329 + 10) | 0 | - 339 |
| Nominal capacity OWF [MW] | | | |
| | 12,000 | 12,000 | 0 |
| Length export cable [km] | | | |
| | 2,100 – 2,400 | 2,100 – 2,400 | 0 |
| Offshore transformer / converter / switching stations | | | |
| | 6 / 6 / 0 | 6 / 6 / 6 | + 6 |
| Onshore transformer / converter stations | | | |
| | 0 / 10 | 0 / 6 | - 4 |

Source: Roland Berger study on North Seas Offshore Energy Clusters

# Total potential: 40 GW



# Who needs the power?