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*“Electrification for
accelerated decarbonisation
and improved system flexibility”*



Main challenges



**1 Large scale
grid expansion**



**Innovation &
2 digitalisation**

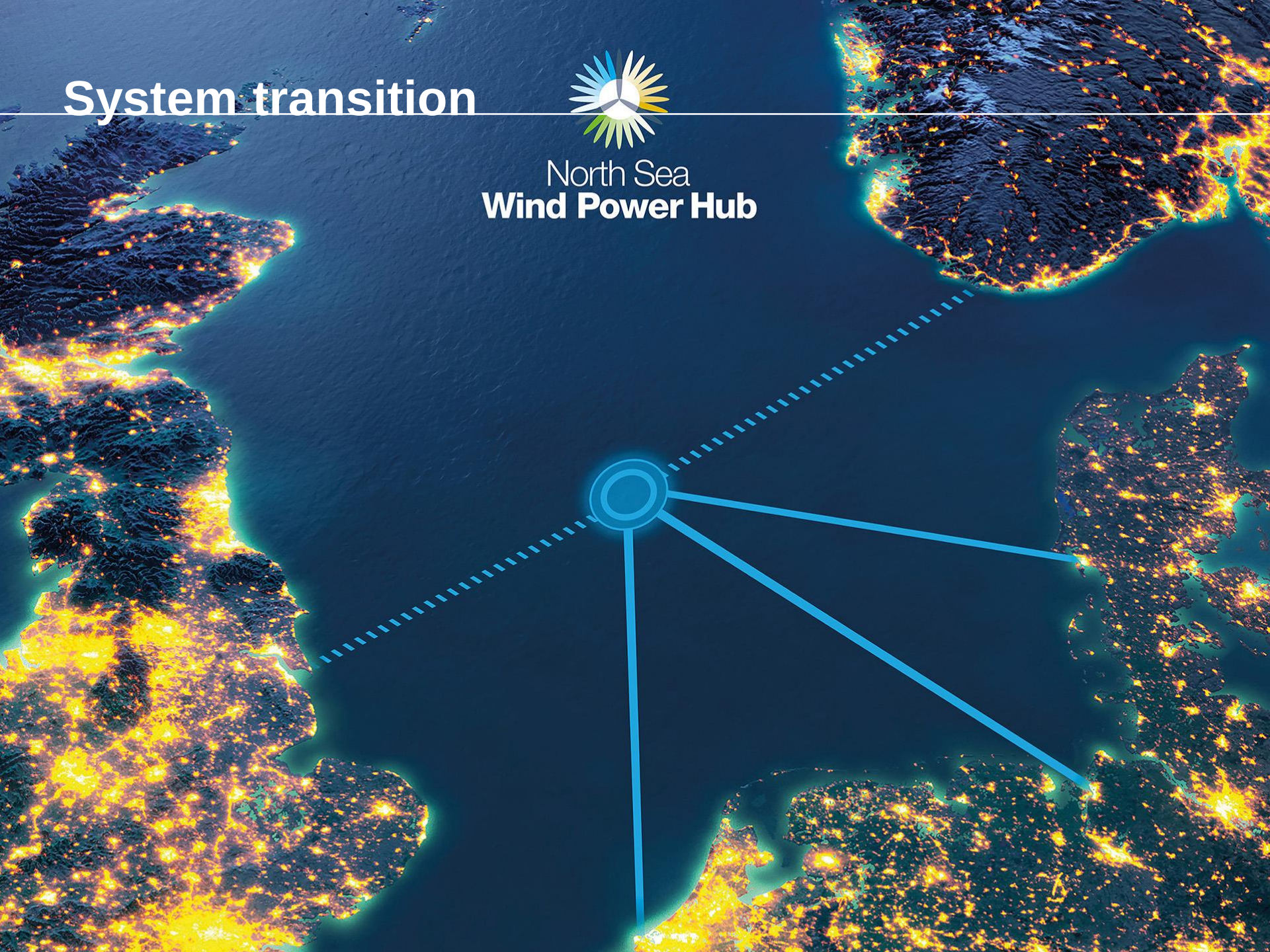


**3 System
transition**

System transition



North Sea
Wind Power Hub



System transition

Infrastructure Outlook 2050

A joint study by Gasunie and TenneT on integrated energy infrastructure in the Netherlands and Germany



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Transport infrastructure



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Innovation & digitalisation



North Sea
Wind Power Hub



ELEMENTEINS
ENERGIEWENDE MIT
SEKTORKOPPLUNG



SINTEG

SCHAUFENSTER INTELLIGENTE ENERGIE

Gefördert durch:



Bundesministerium
für Wirtschaft
und Energie

aufgrund eines Beschlusses
des Deutschen Bundestages

Inn  Sys
2030

NEW 4.0

Norddeutsche EnergieWende