



PROMOTioN

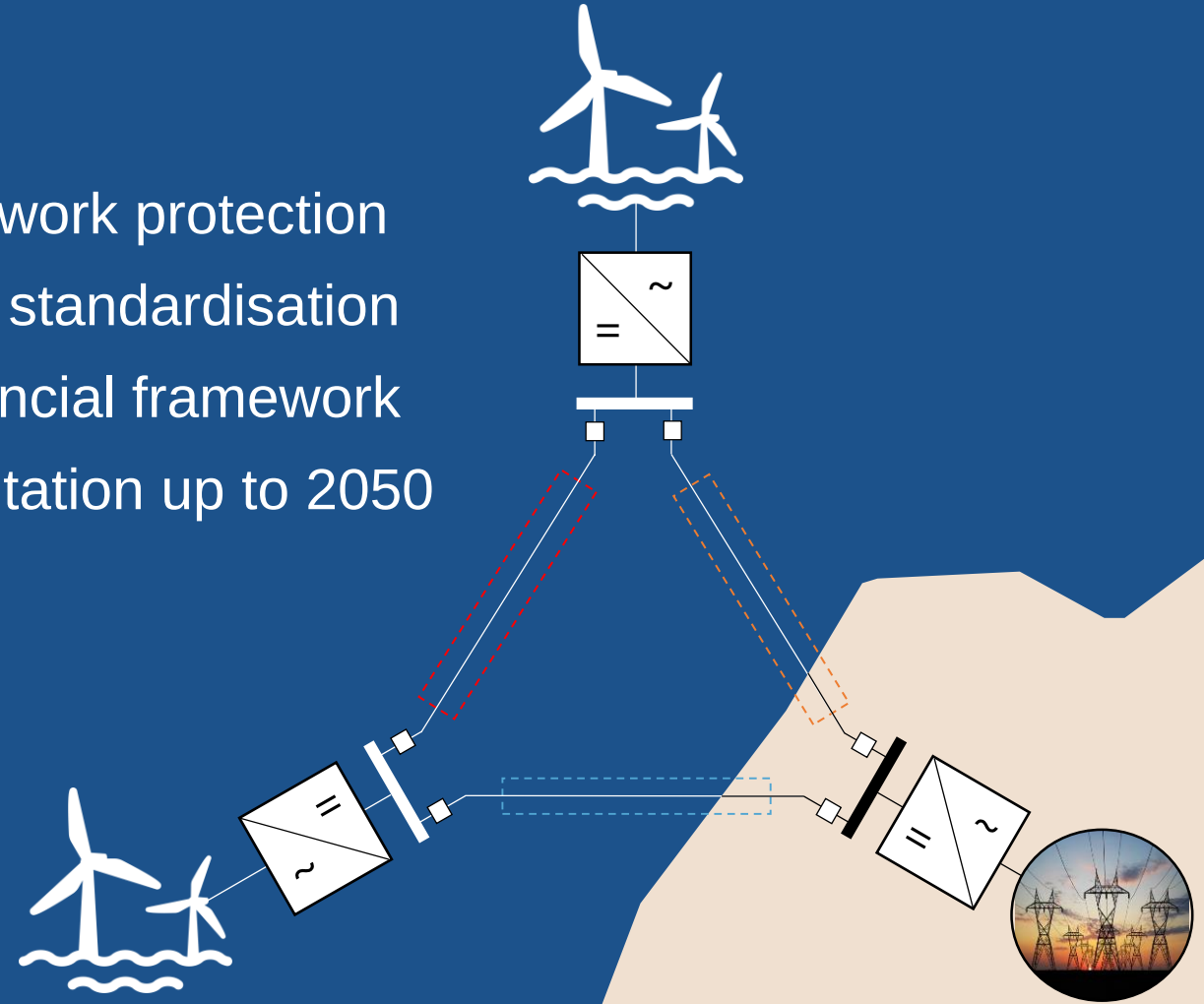
PROGRESS ON MESHED HVDC
OFFSHORE TRANSMISSION
NETWORKS



Progress on Meshed Offshore HVDC Transmission Networks

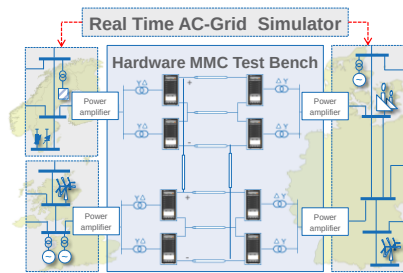
Enabling the North Sea power house

- Develop interoperable & reliable HVDC network protection
- Work towards technology interoperability & standardisation
- Recommendations for EU regulatory & financial framework
- Deployment plan & Roadmap for implementation up to 2050
- Full scale technology demonstrations of:
 - HVDC control & protection systems
 - Converter harmonic model validation
 - HVDC gas insulated switchgear
 - HVDC circuit breakers



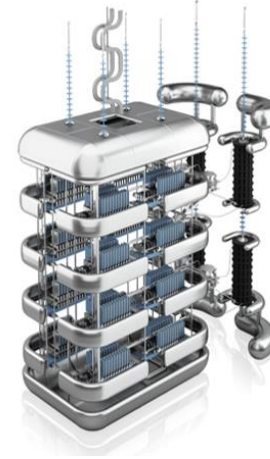
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Demonstrators



HVDC network control

MMC test bench
RWTH Aachen
Aachen, Germany



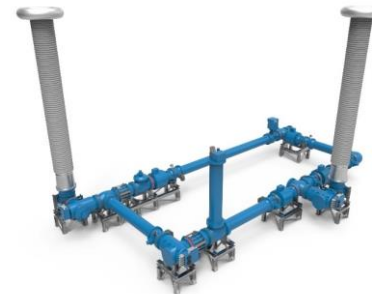
HVDC circuit breakers

KEMA High Power Lab
DNV GL
Arnhem, Netherlands



HVDC network protection

Multi-Terminal Test Centre
SHE Transmission
Glasgow, UK



HVDC gas insulated systems

KEMA High Voltage Lab
DNV GL
Arnhem, Netherlands



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Statistics



33 partners



11 countries



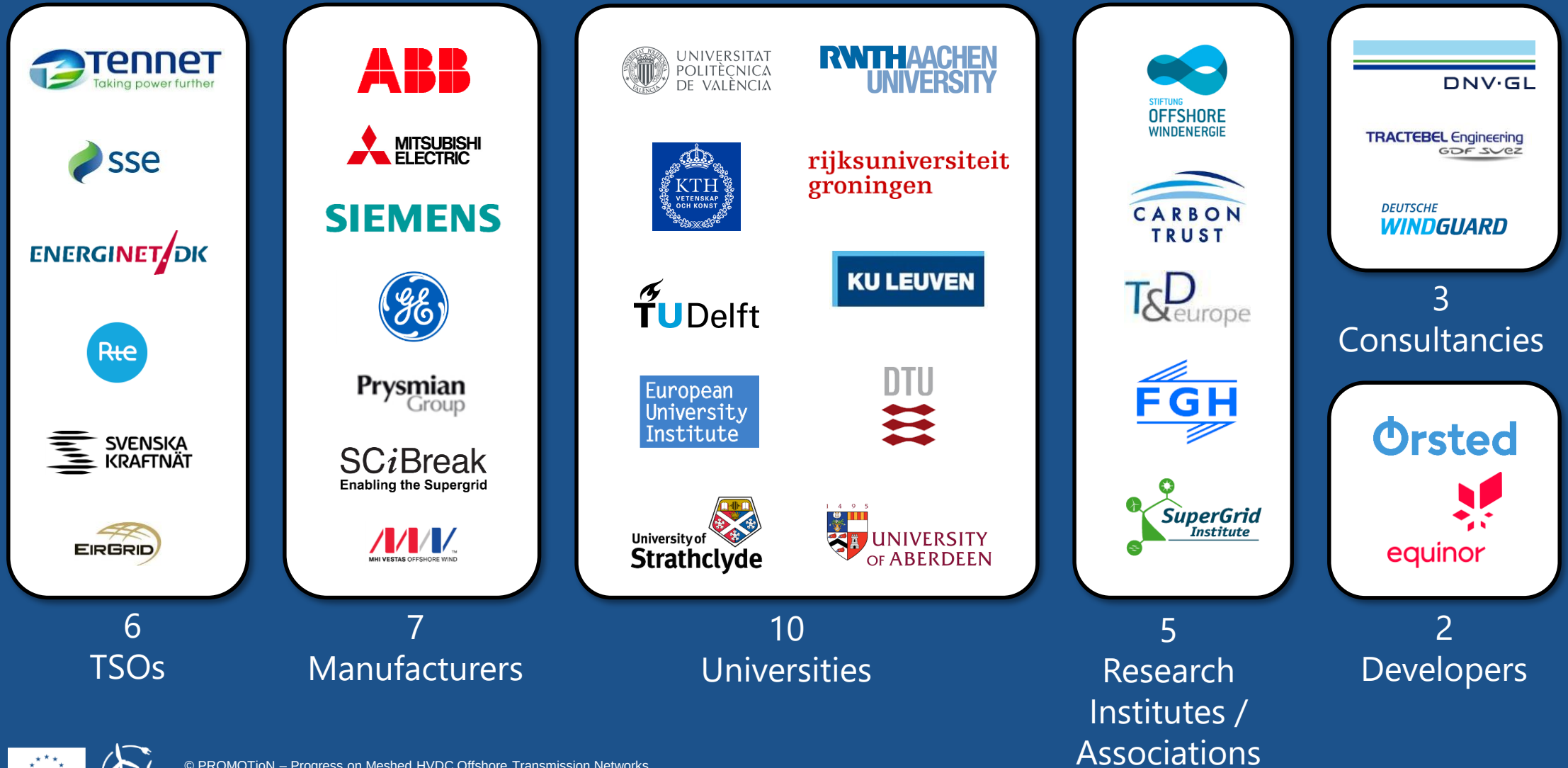
4 years



42 million EUR



The Partners – Covering the Offshore Grid Value Chain





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www.promotion-offshore-net/newsletter



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