



FRIENDS OF THE **SUPERGRID**

Long Distance Transmission Solutions

DII Desert Energy Conference
Cairo, November 2, 2011

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Friends of the Supergrid

A group of companies with a mutual interest in promoting the policy agenda for a European Supergrid

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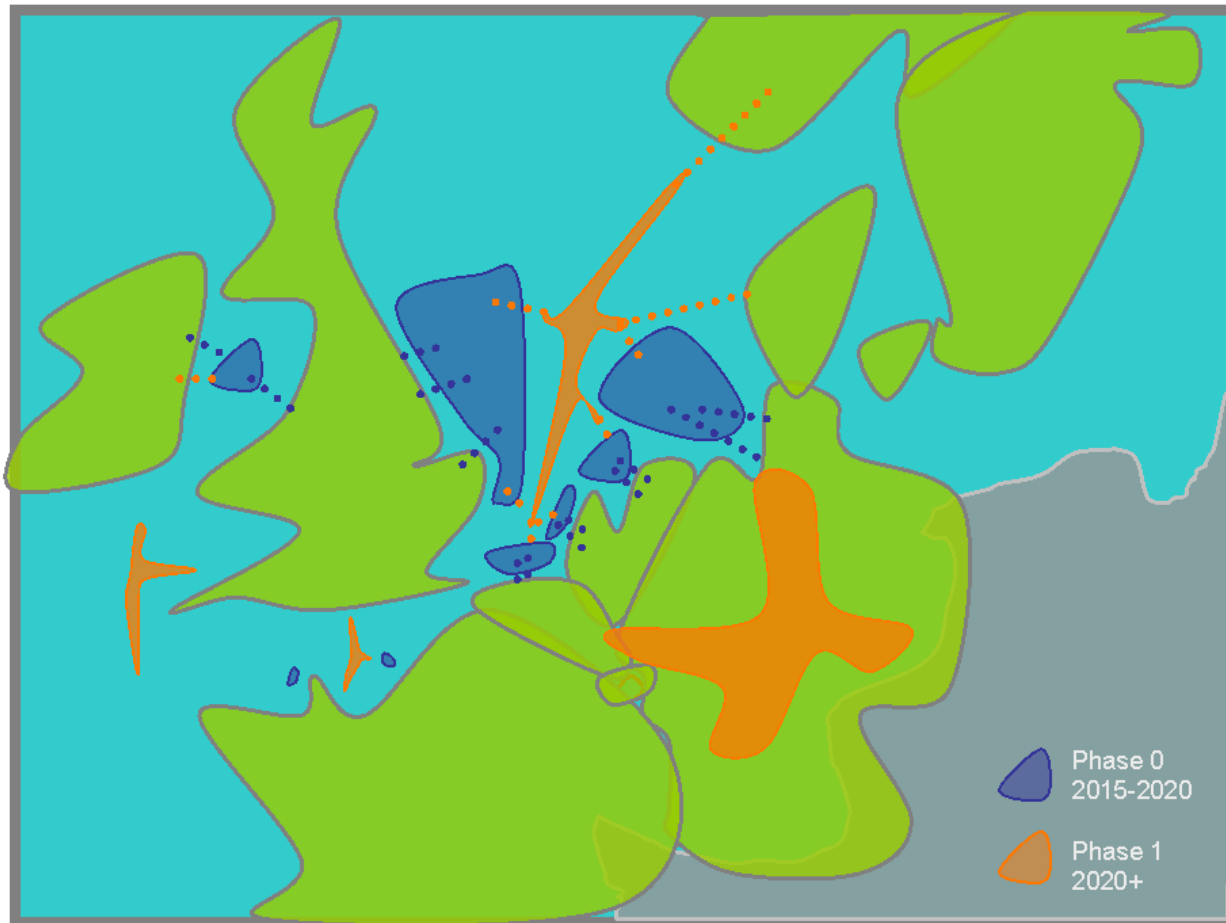
Why the Supergrid?

- Carbon neutral Europe by 2050
- Single European electricity market
- Security and sustainability of supply
- Transformed energy system
- European technology to exploit and to export
- Skilled employment opportunities for the EU

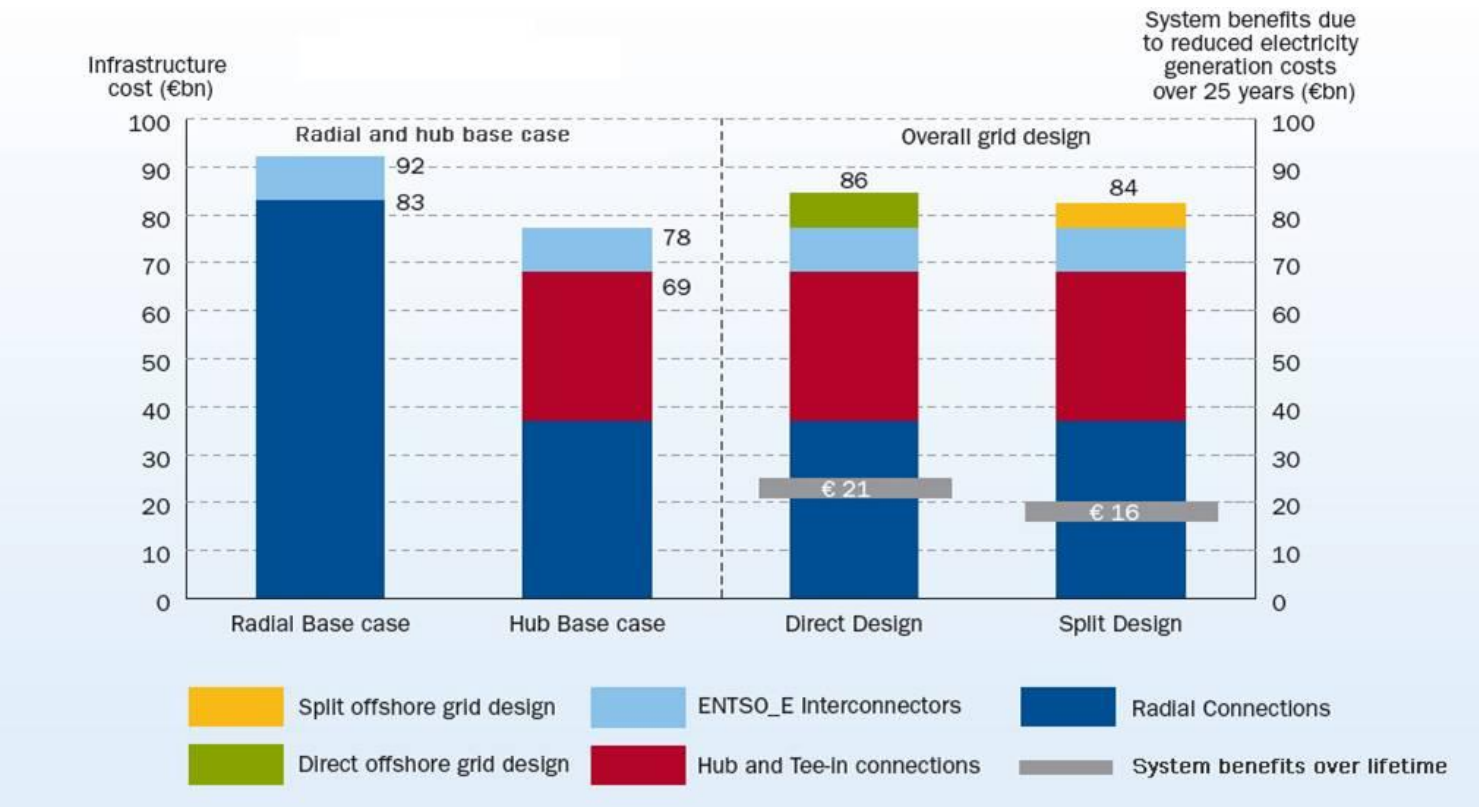




From now to Phase 1 of Supergrid



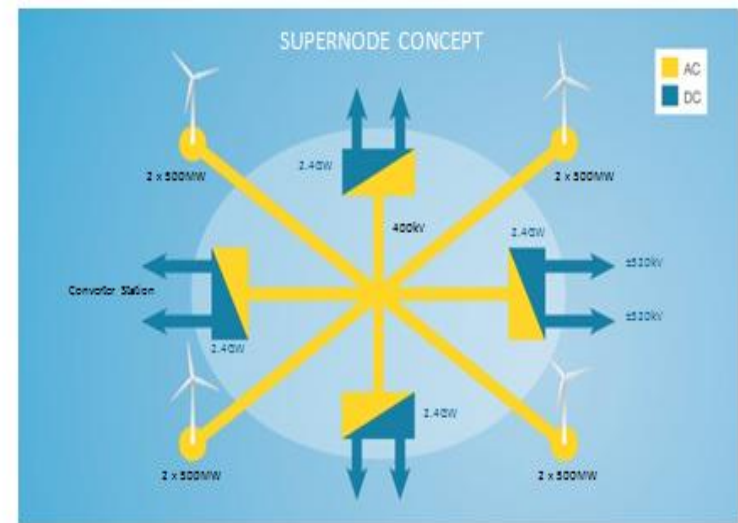
OffshoreGrid Study: Hub connections would save €14 billion and additional meshed connections costs of €5-8 bn would bring benefits of €16-21bn



Supergrid technology: the “Supernode”

- The SuperNode links offshore wind parks to existing onshore networks or to points of consumption through a series of Supernodes located near clusters of offshore generation connected to load centres with HVDC VSC (Voltage Source Converter) multi-terminal international links .
- The concept is largely based on technology available today

Supernode Concept





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www.friendsofthesupergrid.eu

Thank you for your attention