

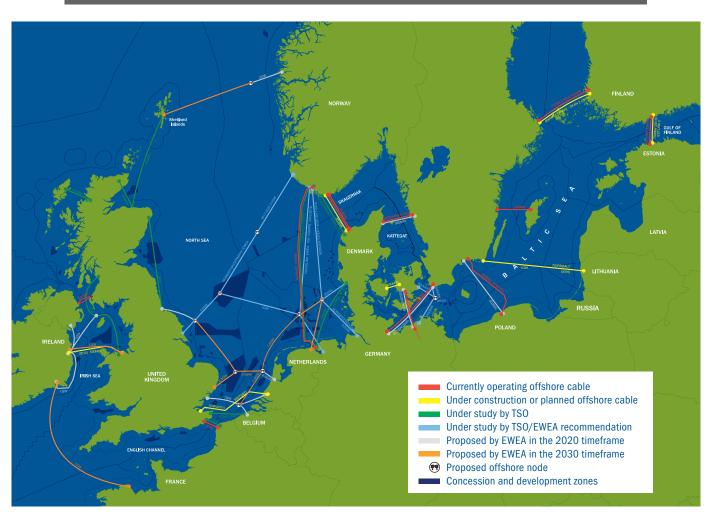
- We must stop thinking of electrical grids as national infrastructure and start developing them onshore and offshore to become European highways of electricity trade.
- The faster grids are developed, the faster we will have large-scale renewable energy when fuel import supplies are disrupted or the cost of fuel becomes too expensive.

## Did you know?

- European electricity infrastructure is ageing and far too little has been invested in new grids.
- By 2020, power capacity equivalent to 42% of the EU's current capacity needs to be built to replace ageing power plants and meet the expected increase in demand.<sup>1</sup>
- This is the ideal opportunity to build a Europe-wide, modern grid that connects offshore and onshore wind farms with consumers.
- Europe needs just such a grid, and properly functioning electricity markets, to cope with larger amounts of wind power and make electricity trade possible, driving down power prices.
- The Europe-wide grid will help enhance Europe's competitiveness and energy security, while creating hundreds of thousands of manufacturing and related jobs and technology exports.

<sup>1</sup> EWEA: Pure Power, 2009





EWEA's 20 year offshore network development master plan

EWEA's 20 year offshore network development master plan provides a step by step approach to planning Europe's offshore grid in the North and Baltic Seas, and is based on the:

- ➡ 11 currently operating offshore grids.
- 21 offshore grids currently under construction, planned or being studied by the grid operators in the Baltic and North Seas.
- ➡ Eight additional offshore grids proposed by EWEA in the 2020 timeframe.
- Six additional offshore grids proposed by EWEA in the 2030 timeframe.

EWEA urges the European Commission, when drafting its Blueprint for a North Sea Grid, and the European Network of Transmission System Operators, when drafting its biennial Ten-Year Network Development Plans, to incorporate EWEA's Offshore Network Development Master Plan.

