

Offshore DC Workshop

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Statnett SF

Statnett is the owner and operator of the high voltage transmission grid in Norway
State owned company

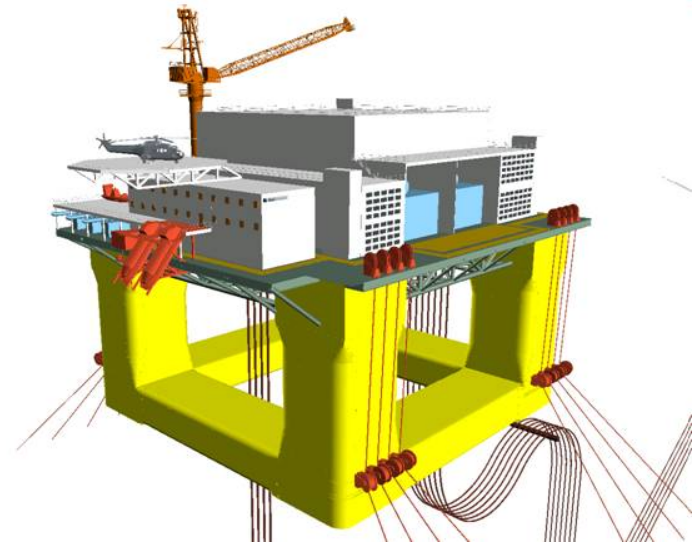
Areas of responsibility

- To contribute to the efficient utilisation of the total power system
- To ensure quality
 - in the short term: to coordinate supply and demand
 - in the long term: to develop the Main Grid
- To ensure equal access for all players
- To secure electricity transmission
 - the Main Grid: power highways
 - Interconnections



Statnett's R&D project on Offshore Grid

- Investigate combination of:
 - Power supply to oil and gas installations
 - Connection of offshore wind parks
 - Interconnectors
- Examine different offshore nodes and equipment
 - Shallow water, bottom fixed
 - Deep water, floating nodes, dynamic cables



Activities in Statnett's R&D project

- Open reports are available within
 - Control systems
 - Fault clearing
 - Availability
 - Offshore nodes
 - Study on multi terminal DC grids
 - Dynamic cables
 - Standards for offshore nodes
 - Case study in the South North Sea
 - Case study in the Norwegian Sea
- The project finishes this year
 - The gained knowledge will position Statnett as a future TSO in a possible offshore grid

