

## Hywind substructure project Offshore Norway

Combining technologies from the Offshore industry and wind energy,  
In June 2009, Technip delivered the substructure for this world's first full scale  
offshore floating wind turbine

- ▶ **Client:** StatoilHydro
- ▶ **Location:** approx. 10 km West of Karmøy, offshore Norway
- ▶ **Substructure draft:** 110 m
- ▶ **Structure height:** 65 m above sea level

### Engineering, Procurement, Construction & Installation contract

- ▶ Assembly and installation of world's first floating offshore full scale windmill
- ▶ Fabrication of Spar buoy concept consisting of a slender tubular steel substructure (117 m) at Technips' yard in Pori, Finland
- ▶ Procurement and pre-installation of mooring system
- ▶ Mechanical assembly of substructure and standard 2.3 MW offshore wind turbine at inshore fabrication site
- ▶ Tow-out / hook-up to mooring system



Photo credits: Oystein Fykse and Odd Furnes for StatoilHydro