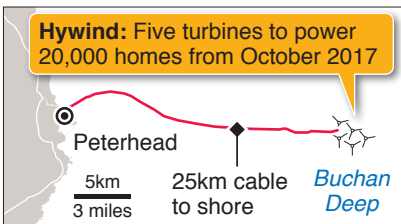


Hywind, world's first floating wind farm

Norwegian firm Statoil's Hywind pilot park is the world's first full-scale floating wind farm, set up off the north-east coast of Scotland

Hywind: Five turbines to power 20,000 homes from October 2017

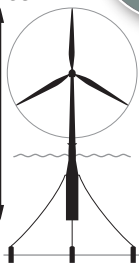


Fixed turbine

253m



Water depth 20-50m



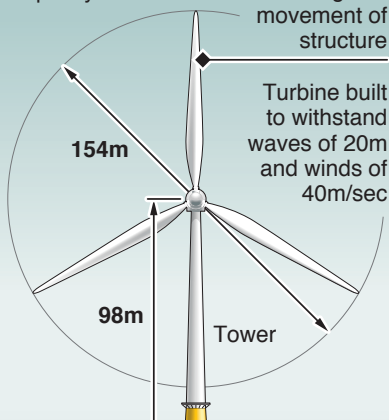
Hywind turbine



London Eye Height 135m

FLOATING TURBINE
Capacity 6MW

Rotor: Pitch control mitigates movement of structure



Turbine built to withstand waves of 20m and winds of 40m/sec

Tower

Substructure
Filled with seawater and ballast

Mooring lines

Suction anchors

Compared with fixed wind farms, floating turbines can operate in water depths of over 100m, further from shore where winds are stronger