



INSIDE A WEC IS A LINEAR GENERATOR

The power take off system (conversion of motion energy to electrical energy) is a permanent magnet linear generator. In comparison to a conventional generator with a rotor, it instead has a translator that moves up and down (linear

motion). This enables a direct connection from the movement of the waves via a wire. The generator is sealed and pressurized to 4.5 bars, making it neutral when deployed on the seabed at 50 metres depth.

PHOTO: VATTENFALL

To the left in the picture we see parts of the bird cliff. Runde island is one of the most important seabird-colony areas in southern Norway, where approximately 180 000 pairs of birds breed annually.