

Walney Extension offshore wind farm – b-roll timecode

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Time	Description	Screenshots	
<p>00:00 – 01:25</p>	<p>Flyovers/drone shots: Walney Extension Offshore Wind Farm</p> <p>Walney Extension is the world largest operational offshore wind farm. It has a total of 87 turbines (47 8 megawatt MHI Vestas turbines and 40 x 7 megawatt Siemens Gamesa turbines.</p> <p>The footage shows a flyovers of the completed Walney Extension offshore wind farm</p>		
<p>01:26 – 02:14</p>	<p>Onshore cable installation</p> <p>More than 300km of cables used to connect the turbines offshore to the National Grid onshore (the distance from Barrow to Manchester and back again) the cables connect to an onshore substation at Heysham, Lancashire</p> <p>This footage shows the export cable coming ashore and the DeepOcean vessel used to transport the cables</p>		

<p>02:15 – 02:32</p>	<p>Ørsted's Operations & Maintenance facility at Barrow</p> <p>Ørsted has created a West Coast hub in Barrow to support its four operational wind farms off the Cumbria Coast. The company supports up to 250 direct jobs through its O&M activities regionally</p> <p>Footage shows Ørsted turbine technicians arriving on site, in the parts warehouse and on the lead-in jetty preapring to go offshore. Also include general shots of building on the facility.</p>		
<p>02:33 – 02:47</p>	<p>TIMELAPSE: Offshore substation construction</p> <p>The two offshore substations on the project consist of two main parts. The foundations or jackets which are each around 50m in height, weighing 1,500 tonnes. The topside which is around 18.5m in height and weighs 2,500 tonnes (about the same as Blackpool Tower)</p>		
<p>02:48 – 03:23</p>	<p>TIMELAPSE: Construction Load-out</p> <p>This footage is of various items from the construction phase of the wind farm being loaded onto vessels to go out into the field., you can see yellow transition pieces, white turbine towers and blades being lifted onto "jackup" vessels (boats on legs)</p>		

<p>03:24 – 03:48</p>	<p>Offshore construction: monopiles</p> <p>Monopile support the main tower of the turbine through a (yellow)transition piece. The monopile continues down into the seabed. The structure is made of a cylindrical steel tube.</p> <p>Footage shows the monopile being floated into the installation vessel and then driven into place.</p>		
<p>03:48 – 04:03</p>	<p>Offshore construction: Transition pieces</p> <p>The yellow transition pieces of an offshore wind turbine are a reinforced part of the support structure that is connected to the wind turbine tower. They are required for the safe access and operation of the wind turbines.</p>		
<p>04:03 – 04:14</p>	<p>Installation of turbine tower</p> <p>Shots shows a cranes eye view of turbine tower being moved into place and longer shots of turbines being connected to TPs.</p>		
<p>04:25 – 04:29</p>	<p>Lifting and placing the nacelle</p> <p>The nacelle is the hub housing the generator and transformer which sits on top of the turbine tower.</p>		

04:29 – 04:58	TIMELAPSE: Lifting the blades to the nacelle The footage shows all three blades being lifted and then fixed onto the nacelle, from various angles.		
04:59 – 05:44	Furness College We are partnered with Furness College to provide training through our apprenticeship scheme. Through our local Skills Fund, Furness College has also received £45,000 each year for the last two years to provide scholarships		