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Dorenell's 59 Turbines Delivered!

Delivering one of the largest renewable projects in 2018, Collett began delivering Dorenell Wind Farm, near Dufftown, currently the largest Contract for Difference (CfD) project in the UK for onshore wind.



The task of transporting all the components and ancillary equipment for 59 Vestas V90 turbines would certainly prove a challenge, but with Collett's extensive experience in the renewable energy industry this was a challenge their Team would happily accept. For the last six months Collett have methodically delivered each of the components from their storage location at the Port of Inverness to Dorenell and all deliveries are now complete.

Originating from various locations across Europe, components arrived at the Port of Inverness from Santander, Italy, Campbeltown and Denmark. The Port of Inverness, having undergone considerable expansion offered the necessary facilities, including the addition of extensive laydown areas, increased storage capacity and a new entrance suitable for turbine components of up to 50m in length. Utilising these capabilities provided the ideal port of entry for the turbine components destined for Dorenell, although with the wind farm being over 80 miles away Collett were required to undertake extensive planning ahead of the arrival of the various components.

The 80 mile journey from Port to pad site travelled through Inverness, Nairn, Forres, and Elgin before arriving at the Dorenell site entrance, and each section required detailed surveying to ensure each of the loaded components could navigate safely and unimpeded. After identifying the appropriate loading arrangements for each cargo, based on the weight, width, height and length of the components, every aspect of the route was meticulously analysed to determine suitability. This included test drives, specialist swept path analysis reports and topographical surveys. Utilising the data gathered and liaising closely with Moray & Aberdeenshire Councils, Scotland Transerv, Network Rail, Canal & River Trust and Bear Scotland allowed Collett to identify and implement any modifications or route restrictions as required. This included street furniture removals, road widening, tree surgery, contraflow manoeuvres, manual steering requirements and structural stability restrictions.

With all this extensive planning firmly in place, all relevant authorities in agreement, permits approved and police escorts in position, Collett began the task of delivering the 531 components.

Equipped with three clamp trailers, six blade trailers, two 6-axle step frames and our Code of Practice pilot cars Collett began transport operations for each of the 44m blades, 72 Tonne nacelles, hubs, nose cones and top, middle & bottom tower sections. Travelling throughout off-peak hours in order to minimise disruption to other road users, each component made the 80 mile journey with heavy transport Teams employing manual steering operations and contraflow manoeuvres as outlined in the test drive and planning procedures. Other structural requirements were also taken into account with regards to two bridges on approach to the site. As requested by Moray Council, when it came to these structures, only the loaded vehicle would be present when traversing whilst not exceeding 30mph to protect the stability of the structure.

Beginning in May 2018 and following the same procedure on each occasion, with the addition of a change of port to Aberdeen for the final components in order to avoid essential works on the A96, Collett delivered the project. Spring

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forward six months and all components for the 59 turbines have been successfully delivered to Dorenell Wind Farm, gaining praise from EDF Renewables for a project excellently executed by the Collett Team.

- ENDS -

More about [Collett & Sons Ltd](#): Experts in Motion since 1928 Collett have a wealth of experience transporting difficult and abnormal loads throughout the UK, Europe and worldwide. Their specialist fleet operates across depots in Halifax, Goole, the Port of Grangemouth, and most recently Collett (Ireland) Ltd in Dublin. Experts in the transport of abnormal loads, [Collett](#) are your global professional partner for [transport](#), [heavy lift](#), [marine](#) & [transport consulting](#).

We understand that unique projects require unique solutions, that's why we are recognised globally as industry leading multi-modal heavy lift specialists