

**Wind Farm Foundation Assessment  
Corneen, Ballyconnell, County Cavan, Ireland  
Airtricity**

Collins performed a foundation assessment at the Corneen Wind Farm in Ireland. The scope of services included the following:

- Initial site visit before commencement of work.
- Observation and recording the status of Turbine 1 foundations and interfaces to the turbine, noting recent interference at the site areas as well as any untouched areas of the site.
- Observation and recording the details of any defects in the plant foundation area. Collins gave an independent assessment of observations, i.e., defects and necessary repairs.



- Collins arranged for the extraction of concrete cores for petrographic examination and identified the failure mechanism.
- To ensure total quality control, Collins observed the reinstatement of areas of the foundation removed and provided guidance to Airtricity.
- Provided construction observation of the remedial work.

Collins outsourced the investigative work, which used hydro demolition techniques to remove concrete and expose the can structure at critical points.