

## Sorne Hill Windfarm, Donegal, Ireland



Balvac operatives undertaking specialist repairs, breakout, drilling, inspection, injection and repair

### Balvac successfully repair six wind turbine foundations in Donegal, Ireland.

Balvac working together with one of Europe's largest manufacturer of wind turbines undertook repairs to six number wind turbine foundations.

Using dial gauges all turbines on the site were checked for flange movement at the base of the turbines during wind speeds in excess of 10m/sec.

Six number turbines were identified to have excessive movement of the "imbedded can".

Balvac proceeded with undertaking the remedial repairs to repair and secure the imbedded.

#### The procedure involved:

- Careful breakout of any delaminated concrete around the base of the turbine.
- Precise drilling to depths in excess of one meter to reach the flange of the imbedded can, inside and outside of the turbine.
- Careful injection using low viscosity water compatible epoxy resin
- Concrete repairs

- Careful preparation and re sealing around the "Can" and foundation interface.

The client was very satisfied with the professionalism, attention to detail and levels of safety employed during the works

<b>Main Contractor:</b>	<b>Balvac</b>
<b>Duration:</b>	<b>4 weeks</b>
<b>Completion</b>	<b>Dec 2011</b>
<b>Value:</b>	<b>£50 K</b>