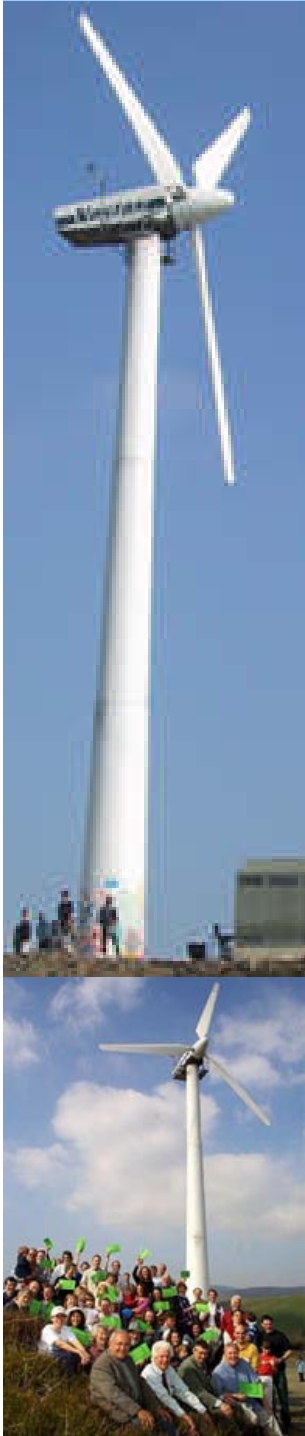


BDCR Technical Report

May 2011

Bro Dyfi Community Renewables Ltd





Where we were Jan 2010

- New 11kV cabin installed
- New 11kV switch delivered and wired up

However...

- SP unhappy about damp patch (Aug)

So...

- Extra weather proofing installed
- Ongoing observation of cabin weather-tightness

Meanwhile

- Vestas V17 off due to lightning induced fault

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Vestas progress

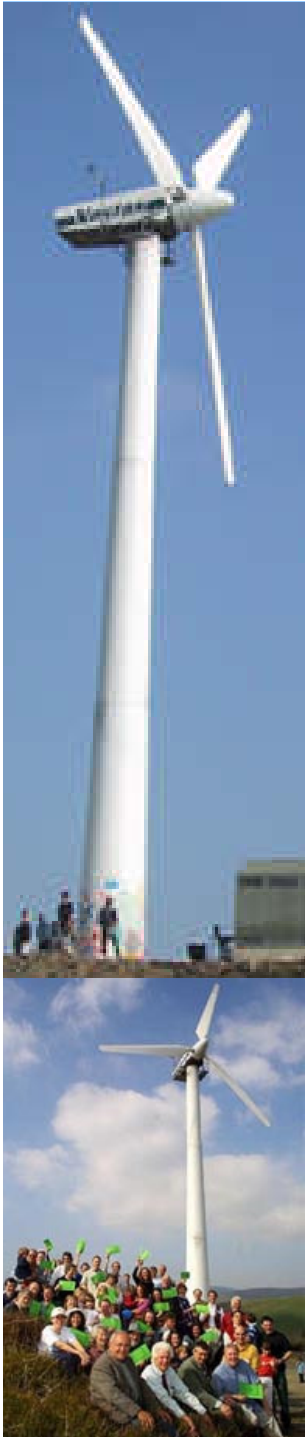
- Recurrent control faults
- Replaced boards, undertook tests and modifications
- Major cable fault appeared
- Location measured
- Awaiting excavation and repair



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Nordtank progress 2010

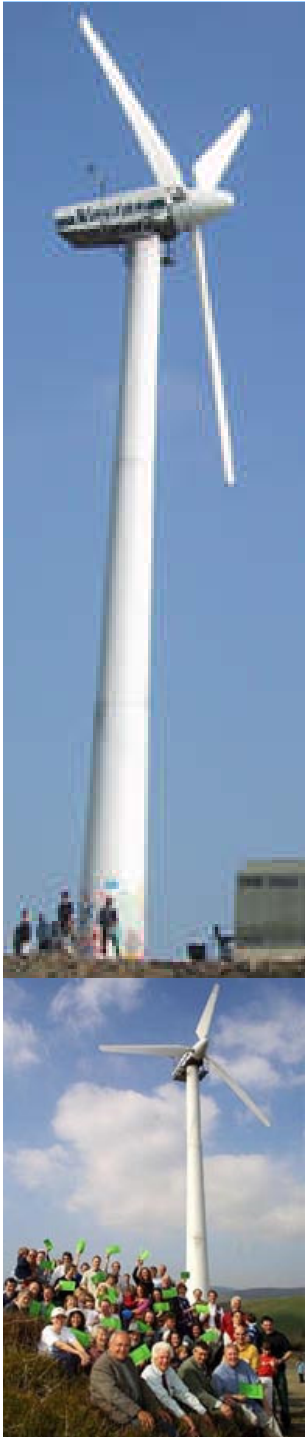
- April: Grid connection energised
- Sep: Lightning damaged blade tip replaced
- Oct: Turbine recommissioned
- Nov: G59 test witnessed and meter installed
- Dec: Generation



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Nordtank: 2011 so far

- Generating consistently
- Early faults due to redundant circuit breaker – replaced
- Meter wrongly calibrated – reading 20%
- Meter replaced and back payment received
- Windtech performed pre-service check
- Annual service due
- Nose cone fell off and repaired
- Phone line connected



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The way forward

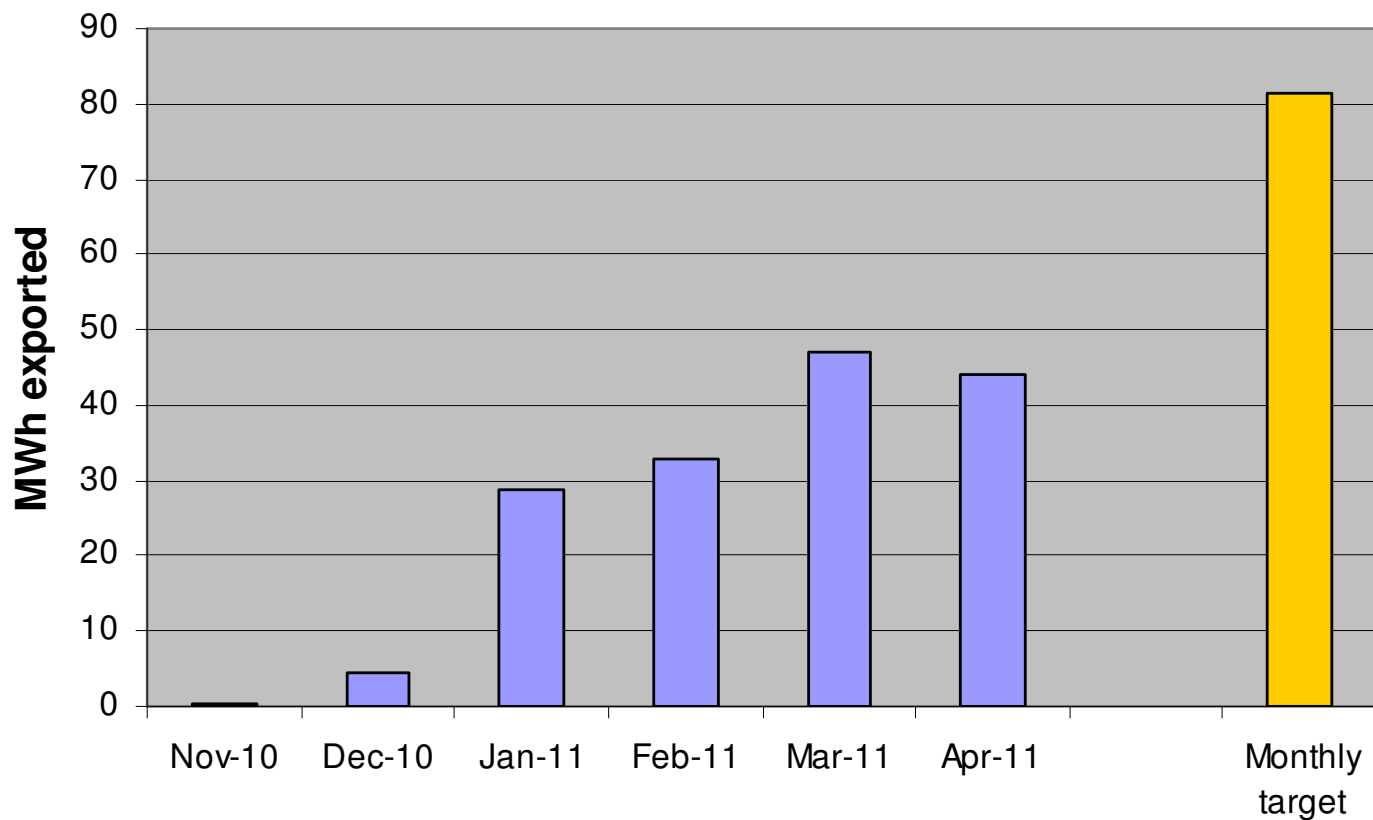
- Full service
- Minor repairs and improvements – electrical, safety equipment
- SCADA software for remote monitoring
- Service contract with Windtech
- Upgrade Vestas controls



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Monthly Production



Local windfarm production down 40% over winter/spring period

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