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## Specialist Training Expands Range of Supported Turbines

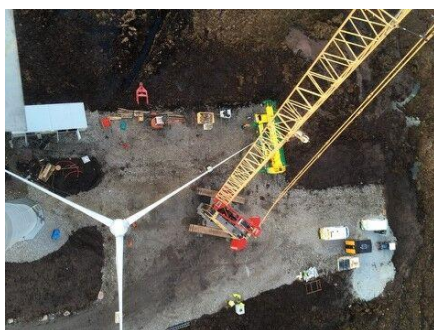


Realise Energy Services continues to add to its capability to support additional models of wind turbine through dedicated training direct with manufacturers. This month saw two of the Company's technicians and its Operations Director attend a week long course in India at Pioneer Wincon's factory. Pioneer Wincon have a number of 250kW turbines in the UK which Realise Energy Services now service and maintain on behalf of their owner. All three agreed the course, country and food were fantastic.



The full range of turbines currently being supported by Realise Energy Services include: Vestas, RRB, ACSA and Pioneer Wincon. Realise Energy Services also continue to support the in-house maintenance teams of other manufacturers, e.g. WTN, in peak times and holiday periods to allow coverage to be maintained for customers.

## Congratulations to Coigach Community



Realise Energy Services has supplied and installed, and now services and maintains, a Vestas V47 500kW wind turbine for the Coigach Community Development Company in Achiltibuie, Wester Ross. This is believed to be the first large community-owned wind turbine in mainland Highlands.

The install was both challenging and interesting due to the remote nature of the site and the 20 mile single track access road.

The turbine is predicted to raise £2m for the community over its

20 year lifetime to help support local projects.

We wish the community well for their future development plans and look forward to working with them to keep the turbine spinning.



## Employee Spotlight - Graeme Brown



Graeme is Realise Energy Services' chief technician. Originally coming from an agricultural mechanical engineering background, Graeme has now installed and serviced over 50 turbines at the 225kW to 500kW scale. Happiest covered in oil and grease in the nacelle of a wind turbine, there's not much Graeme doesn't know about how to keep these machines running efficiently.

Continuing his mechanical interests, when not at work, Graeme will usually be found under the bonnet of his rally car. Unfortunately he won't let us use it as a turbine fast response vehicle!





**ROYAL  
HIGHLAND SHOW  
22<sup>nd</sup> June 2017**

Realise Energy Services will be at the Royal Highland Show on Thursday the 22<sup>nd</sup> June 2017. If you would like to meet us to discuss your servicing requirements, please do get in touch.



*Burnt out contactor*

## Wind Turbine Servicing

### The importance of a regular maintenance regime

Medium scale wind turbines supported by the UK's Feed-in-tariff incentive need to maintain high levels of availability to ensure cash flow and overall project returns are viable over their entire 20 year lifetime. An incorrect or weak maintenance regime can lead to a variety of problems including:

- Safety issues, e.g. vibration related electrical damage/fire hazard
- A loss of efficiency and production
- Increased noise and non-adherence to planning conditions
- A lack of insurance cover

Realise Energy Services only follow individual manufacturer's recommended service protocols to ensure turbines are kept in their optimum condition and that any issues are identified early. This prevents bigger issues and even bigger costs occurring in the future.

## Perth Depot Upgrade

Realise Energy Services are currently upgrading their Perth depot to accommodate a growing range of turbine spares and consumables. To ensure a fast response and maximum availability and production time, spares are organised in a four tier strategy depending on need. These are:

1. On site (in the turbine or storage container) where necessary;
2. In Realise Energy Services' vehicles;
3. In our Perth depot store; or
4. From OEM or other suppliers via 24hr courier.

This tiered strategy allows Realise Energy Services to offer customers a robust Service Level Agreement assuring fast response and repair times.



## Additional Range of Services Offered

Realise Energy Services now offers the following additional services for turbine owners:

- Turbine inspections and reporting (Operation, Performance and Health and Safety Reporting)
- Communication and SCADA upgrades
- Latchway and climb assist hoist upgrades
- Blade inspection and repair
- Tower and nacelle painting
- Transformer inspection and servicing
- Oil sample analysis
- Site maintenance



*Blade adjustments*



*Scheduled servicing to  
manufacturers protocols*



*Blade tip repairs*



*Electrical servicing*

***If you need an experienced and reliable turbine support service and your current service and maintenance contract is expiring over the next few months, please do contact us to get a free, no obligation quotation.***

### Contact Us

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