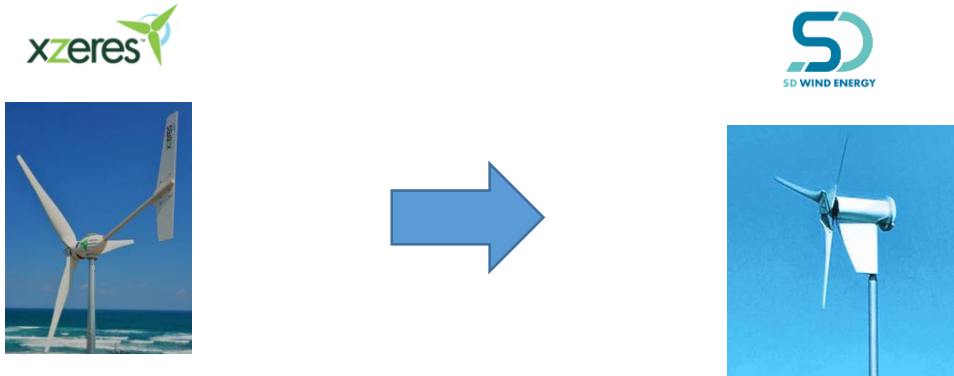


Advisory Nov 2019

Frequently asked questions with regard to Retrofit / Replacing damaged or underperforming Xzeres Wind Turbines with SD Wind Energy Wind Turbines.



Background

SD Wind has been contacted by many Xzeres Turbine owners who have extensive FIT contracts which are not generating income due to damaged Xzeres Turbines and which are now unable to get service or replacement parts. SD Wind wishes to support these customers to return to income energy generation.

1. Do I need planning permission?

NO. To date, SD Wind has made a number of retrofit installs (replacing Xzeres with SD6) in the UK and Scotland and in each one of those cases the retrofit was deemed by the local planning authority to be compliant. In some cases a planning amendment application was made by the turbine owner (at a cost of circa. £150-£200) and the approval for the amendment was granted with 2-3 weeks in each case. This is because:-

- An Independent noise acoustic comparison was carried out and shows the SD Wind Turbine to have a lower acoustic profile than the Xzeres turbine. We attached this report here and grant any customers free use of this report in discussion with any planning authority.
- The SD Wind Turbine has a lower visual impact and is the same colour as the Xzeres and we can provide technical specifications to support this.
- The turbine is fitted to the same tower with all existing electrical equipment remaining in place.

2. Is the FIT transferable?

YES. To date SD Wind has made a number of retrofit installs (replacing Xzeres with SD6) in the UK and Scotland. These owners have contacted the FIT Provider in each case, and they have confirmed that the FIT payments are not affected by this action. This is in line with a statement we have on file from GemServ which states that

*"..replacing a product with a like for like replacement due to maintenance or failure of a product under MCS is considered maintenance **provided the size of the system remains the same** (i.e. the Total Installed Capacity (TIC) of the system and the Declared Net Capacity DNC of the system) which subsequently means that the estimated annual generation also remains the same, i.e. there is no change to the overall system other than making sure the system that was no longer working, is now up and running again. When this happens a new MCS certificate for the customer should **NOT** be created."*

When customers install an SD6 Turbine onto an existing Xzeres installation the TIC and DNC remain within the parameters required.

Oct 2019 SD Wind. 19672E-1

We have seen a recent concern due to feedback to a customer from Offgem stating “ *Please note, if we believe that any generating equipment has formed part of an installation previously accredited under the FIT or RO schemes, the installation will not receive FIT accreditation.*”

The equipment we are providing is a newly manufactured turbine head and has not been used in a previous installation so there is not a concern.

3. Do I need to have an MCS certified installer?

YES. We provide MCS certification for all retrofits. Many of SD Wind Approved Agents are MCS Certified. We encourage all of our agents to become certified. In the meantime the SD Wind company is itself an MCS Certified installer and we will guarantee to inspect and certify any sites that are completed by our agents if they need this support. A copy of SD Wind Energy MCS certificate can be supplied on request.

4. Is the Turbine MCS Certified?

Yes the SD6 is MCS certified and the certificate can be issued on request.

5. Who is SD Wind?

SD Wind Energy Ltd is a subsidiary of SD GREEN ENERGY INC of Tokyo, Japan. The company was acquired in 2018 from Kingspan Environmental and prior to that was Proven Energy. The company has been designing and manufacturing wind turbines in Stewarton, Scotland for over 30 years and has a worldwide fleet of over 5000 Turbines. All warranty and support for the fleet is being provided for and honoured by SD Wind. SD Wind turbines are used on Off Shore Oil and Gas facilities, tough coastal light house locations and in Antarctic and Arctic research and communications facilities. They are tough and they last a long time.

6. What is the SD6?

The SD6 Turbine was previously known as the KW6 Turbine and is widely recognised as the most reliable 6Kw Turbine on the market with a simple design and robust performance in harsh environments.

7. I have an Xzeres turbine that is not working and not producing income. How much will it cost me to retrofit my Xzeres with an SD6?

The cost for an SD6 Retro Turbine head is approx. £18,000 plus the costs for the local engineering work to be carried out by your local approved agent which can be between £1,500 and £2500 and any costs associated with your location which may be remote for shipping and logistics.

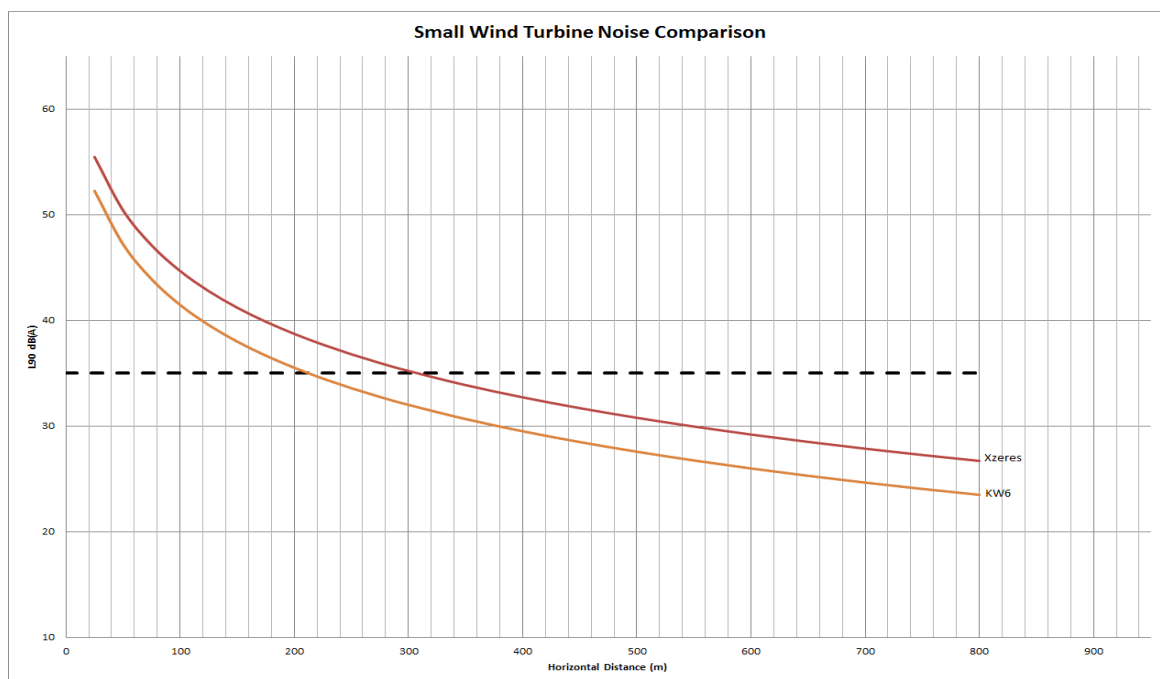
8. How can I get this done?

Contact an approved SD Wind Agent from the list here

<https://sd-windenergy.com/wind-turbine-servicing/>

Or contact SD Wind directly for a discussion on your options.

Supporting Documents





By Royal Charter

Kitemark™ Certificate

This is to certify that:

SD Wind Energy Limited
Wardhead Park
Stewarton
Ayrshire
KA3 5LH
United Kingdom

Holds Certificate Number:

KM 698642

In respect of:

RenewableUK Small Wind Turbine Standard
Small wind turbines

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:


Chris Lewis - Certification Director, Product Certification

First Issued: 2019-03-01

Latest Issue: 2019-03-01

Effective Date: 2019-03-01

Expiry Date: 2022-02-28

Page: 1 of 2



...making excellence a habit.™

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To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Kitemark™ Certificate

No. KM 698642

MCS 006 – Small Wind Turbine (RenewableUK Small Wind Turbine Standard)

Model Number	Description
SD6 Small Wind Turbine	6kW Small Wind Turbine Grid Tied & Battery Charge 48V, 300V Downwind, 3 bladed, Self-Regulating Class 1



First Issued: 2019-03-01
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Page: 2 of 2

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