
FAQ'S ABOUT ROTOR BLADE EXTENSION (RBE)

- *What are the extra efforts that the turbine suffers from the installation of the RBE?*

The turbine presents an increase in both flapwise and edgewise bending moments at the blade root, however these were studied, and both theoretical and experimental campaigns (with the RBE installed and tested on real working turbines from Energiekontor's wind farms) have proven that these are well within the established working turbine limits. These campaigns were performed by prominent research institutions and certified by DEWI OCC from Germany.

- *How are the certification and licensing processes carried out, in order to install the RBE?*

A license for the installation of the Rotor Blade Extension must be obtained prior to installation. This process has different timespans depending on the country they are established. Our experience indicates that the whole process takes around 6 months (at least in Germany, Portugal and UK). In order speed it up, Energiekontor is willing to provide their customers with assistance during this licensing process prior to installation.

- *Besides the current products, are there any plans for developing the RBE for other turbines?*

Yes, we are now looking into several other turbine and blade types, as we are currently in the prototype development phase and testing. Further information on other blade types will be publicly announced during 2016.

- *How is the product sold, and is it a final sale or is there also risk-sharing for the installed product?*

The Rotor Blade Extension is put on the market as a final sale product. However, we provide assistance during the licensing period and also recommend various maintenance requirements, which should be followed in the future.

- *Does the RBE product affect the lifetime of the turbine?*

No, several fatigue testing campaigns were performed, also certified by DEWI OCC, which indicate that the Rotor Blade Extension will not affect the lifetime of the turbine in any way.

- *What solutions have been designed for the Lightning Protection System?*

We were able to design a solution which safely connects the Lightning protection system from the blade tip to the Rotor Blade Extension. This solution was tested and has proven to yield good results.

Please follow our news on the Rotor Blade Extension website in order to receive answers to these questions. You can also email us or drop us a call to the contacts below, and talk directly with us for more information.

www.rotorbladeextension.com

energiekontor@rotorbladeextension.com

Mrs. Andreia Centeio – (English, Spanish, Portuguese)

Telephone: +351 213 515 120

Mrs. Stefanie Adelmund – (English, German, French)

Telephone: +49 474 672 779 22