

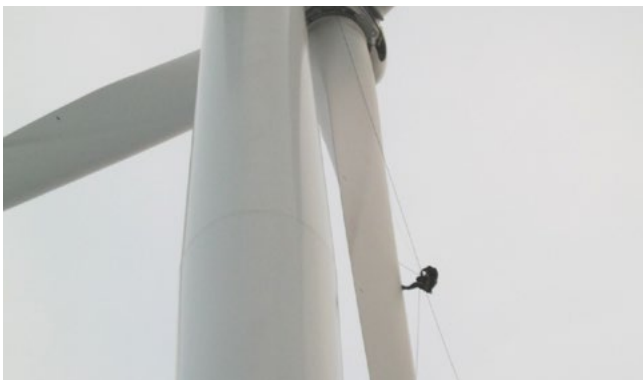
Performance Overview

Rotor Blade Inspection



Rotor blades are the most important parts of a wind turbine and require a full professional review, to permanently **ensure the efficiency** of the wind turbine.

For this, experts are needed who have extensive **knowledge about materials, construction of various blade types** and **their loads during operation**.



Wölfel has earned a high level of expertise and efficiency in the last 45 years in the field of structural mechanics and - dynamics. For over ten years, Wölfel is active in the field of wind energy and has made a name there by his professional expertise, innovative developments, and products, such as for example the Ice-Detection system IDD.Blade.

In the area of the rotor blade inspection, we have built up a powerful team. Our plastics specialists are very familiar with the design, building, as well as the materials used and have relevant experience with manufacturing processes.

Our extensive basic knowledge about the **influence of the production on the blade quality and any damage** in the operation are essential for the assessment of damage, its cause and possible consequential damage.

Take advantage of our offer of comprehensive support around the rotor blade.

We support your quality of rotor blade by

- Monitoring of rotor blade manufacturing and its framework processes (TPI)
- Final acceptance of the rotor blades before assembly and its quality evaluation
- Recurrent - or state-based inspection of rotor blades, as well as their attachments or the examination at the end of the warranty
- Feasible report and documentation
- Failure analysis and expert reports on the damage detected.

We increase your cost efficiency through

- Detecting damage to their early remedies
- Higher turbine availability through planned repair and targeted maintenance during operation.