

End-of-Warranty Guidelines & Evaluation

by Bladena

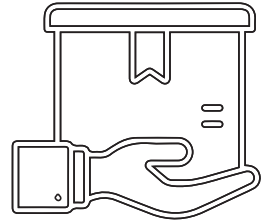
Customer Benefit

Operational Efficiency and Risk Mitigation: By identifying hotspots and failure modes, WTOs can prevent catastrophic failures. The service helps WTOs to better understand and manage their operational risk for improved decision making.

Cost Savings: Early detection of potential issues can result in significant cost savings.

Extended Blade Lifetime: Implementing the strategies and recommendations provided by the service can result in longer blade life.

Strengthened Negotiations with OEMs: The technical support provided can help WTOs with their negotiations with OEMs. By understanding the criticality and root causes of damages, WTOs are better equipped to navigate warranty claims.



What it offers

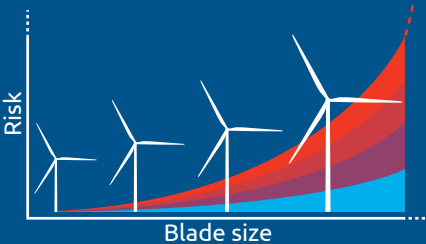
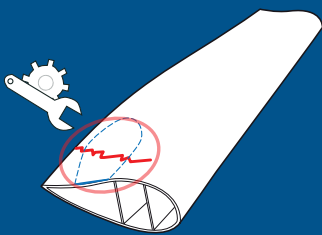
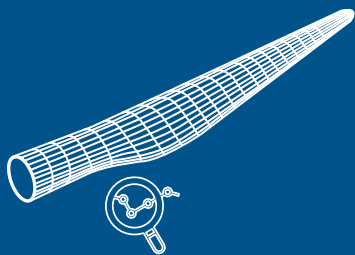
Hotspot Identification: Utilizing historical data, we provide the hotspots that are most susceptible to damage. The detailed report will include hotspot locations, potential reasons for their vulnerability, and predictive insights.

Failure Mode Identification: Analyzing Bladena's extensive data on common failure modes for specific blade types, Bladena will provide WTOs with a breakdown of the potential failure modes they can anticipate. This includes descriptions of each failure mode, its indications and its impact on the wind turbine blade.

Risk Analysis: Bladena will conduct a risk analysis for each failure mode at the identified hotspots, evaluating likelihood of occurrence and potential consequences. This provides WTOs a clear understanding of the risks they face and allowing them to prioritize their maintenance efforts effectively.

Damage Criticality Assessment Guidelines: Bladena will provide clear guidelines for assessing damage criticality. These guidelines will include all the factors to consider when evaluating the severity of the damage including location, size, depth and impact on blade.

Mitigation Actions and Repair Recommendations: For each identified hotspot and failure mode, Bladena will recommend appropriate mitigation measures to tackle the root causes of the damages.



The advisory service aims to guide Wind Turbine Owners in understanding, evaluating and mitigating the risks associated with their wind turbine blades as their warranty period comes to an end.

