

Risk-Based Blade Maintenance

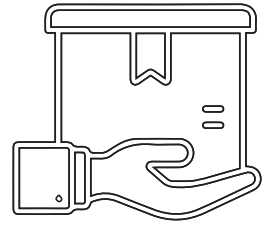
by Bladena

Customer Benefit

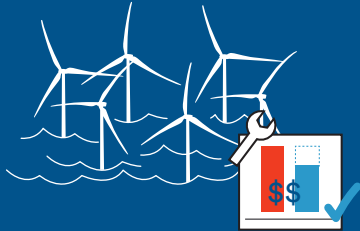
Cost Savings: Achieve substantial cost savings and/or mitigate risk by avoiding potential high-cost failures.

Confidence in Decision-Making: Make educated decisions backed by data-driven insights.

Optimal Return On Investment: With a thoroughly assessed blade design and operational strategy, WTOs can achieve optimal Return On Investment (ROI) on blade maintenance and repair tasks.



What it offers



Monitoring Solutions: We guide clients in identifying optimal placement in the blade for condition monitoring installations. It can provide early warnings of potential issues, reducing downtime and repair costs.

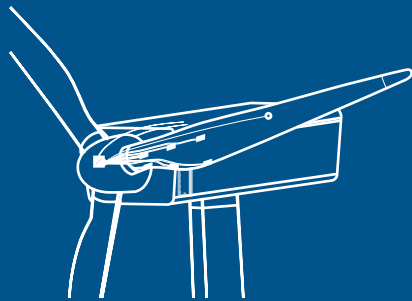
Damage Categorization: With our expertise, damages are systematically sorted into high-risk/low-risk and structural/non-structural categories. This precise classification aids in decision-making, helping customers to effectively allocate their repair budgets.

Lightning Protection Guidance: Navigate the complexities of Lightning Protection System (LPS). We indicate both site-specific and blade model associated risks, giving insights on potential upgrades and regular LPS maintenance.

Leading Edge Erosion Assessment: Our service involves detailed site assessments to estimate risks associated with this. Following a comprehensive review of site-specific risks, blade type, and weather conditions, we suggest cost-optimal Leading-Edge Protection (LEP) applications.

Repair and Upgrade Advising: Benefit from our expert advisory on blade repair and upgrade strategies. Established in an understanding of structural damages and specific blade models, we advise on the timings - when a repair is necessary, when it can wait, and when a blade replacement is the more optimal choice.

Analysis of Blade Design: The fleet specific blade design is analyzed, with emphasis on re-occurring failure modes and risk of recognized failure modes.



Adopt a forward-thinking approach to blade maintenance with our Risk-Based Maintenance Strategy. This service is a proactive approach to blade maintenance that uses risk assessment to prioritize maintenance activities. It considers the probability of failures, the potential cost or implications of those failures, and the specific operational budgets parameters. The goal is to reduce the potential for costly failures and improve the reliability of blade assets.

