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Title: Wind turbine blade maintenance manuscript

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This review paper provides an extensive analysis of wind turbine blade technology, focusing on the principles of blade operation, aerodynamics, material selection, ...

Though minor, can be useful to identify as position references, or for blade identification. None expected. Minor damage or defects that exceed supply specification acceptance criteria. ...

In this study, a risk-based maintenance strategy selection for wind turbine composite blades was presented. First, the failure modes of the wind turbine blade were ...

In A condition monitoring system for blades of wind turbine maintenance management, Proceedings of the tenth international conference on management science and engineering ...

In this article, the volume of plastic pollution during the blade maintenance as well as particle size distribution is evaluated. Recommendations toward the mitigation of ...

Wind turbine service companies and wind-park owners face a large choice of technologies for the blade repair. In this work, the authors sought to compare and evaluate available blade repair ...

This study compares traditional methods like Corrective Maintenance (CM), Scheduled Maintenance (SM), and Condition-based Maintenance (CbM) with Reinforcement ...

This article briefly reviews wind turbine blades' materials, design, and manufacturing methodology. We also discuss the inspection strategy during production and ...

Founded in 2010, our focus is firmly on offering high-quality blade service and changing the common practice of reactive and expensive wind-turbine blade repairs towards shared risks, ...



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Wind turbine age is an important factor when determining the most appropriate maintenance actions for its blades. In our workflow, ...

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