

A review of the root causes and mechanisms of damage and failure to wind turbine blades is presented in this paper. In particular, the mechanisms of leading edge erosion, adhesive joint degradation, ...

Early detection of rotor imbalance is one promising approach to address wind turbine durability. This work proposes a novel blade mass imbalance identification and estimation method for ...

Mass imbalance requires realigning the center of gravity of the rotor components to bring it back into proper balance. Aerodynamic imbalances, on the other hand, require a check of the ...

Discover the causes and effects of unbalance in wind energy and learn how to mitigate its impact on turbine efficiency and lifespan.

The Attorney General of Texas has filed a lawsuit against Global Fiberglass Solutions, Inc. and associated parties alleging that GFSI was "purportedly hired by numerous companies to break ...

Attorney General Ken Paxton filed suit against a recycling company and other affiliates for unauthorized disposal of industrial solid waste after it was discovered that the company was illegally ...

Mechanical unbalance of a wind turbine rotor can cause significant forces on the drivetrain and the tower. Often a much better tolerance can be achieved than is required by the manufacturers" ...

SWEETWATER, Texas (KTAB/KRBC) - The State of Texas has filed a lawsuit against a company accused of dumping thousands of wind turbine blades in Sweetwater. Attorney General ...

Prolonged exposure of wind turbine blades to wind forces can lead to blade twisting and structural loosening. These defects result in uneven mass distribution, causing severe vibrations in ...

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