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Title: Xiangdian wind turbine blade traction rope

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Develop An Effective Craneless Wind Turbine Maintenance System devised a craneless blade replacement system using Samson's high-performance synthetic ropes. Using a purpose-built, ...

It allows technicians to access all spots of the wind turbines without the need for heavy lifting equipment. This means that maintenance can be performed quickly and with less disruption.

Significant vibrations of the traction wire rope can impact the efficiency and accuracy of static testing in wind turbine blade assessments. This study focuses on the vibration characteristics ...

It uses Adams software to establish a simulation model of a 123m blade static loading test system. The paper analyses the influence of wire rope span, dynamic pulley position, and winch speed on the ...

Aiming at the shortcomings of common wind turbine blade fatigue loading methods, a new fatigue loading method based on motor-drum-traction rope drive is proposed, and single-axis and dual-axis ...

Our customised rope solutions are used across various applications in the on and offshore wind energy sector and our experienced team can provide project management in the development and testing ...

The equipment, placed on the ground or fixed supports, applies traction loading to the blades. This method meets the power requirements for blade fatigue testing with minimal power ...

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