

VIBRATION TESTING OF WIND TURBINE COMPONENTS

MINIMIZE THE RISK OF COMPONENT FAILURE



ENSURE RELIABILITY AND LOW MAINTENANCE

Vibration testing is vital to identify product flaws early.

Minimize the risk of failure for turbines and their components.

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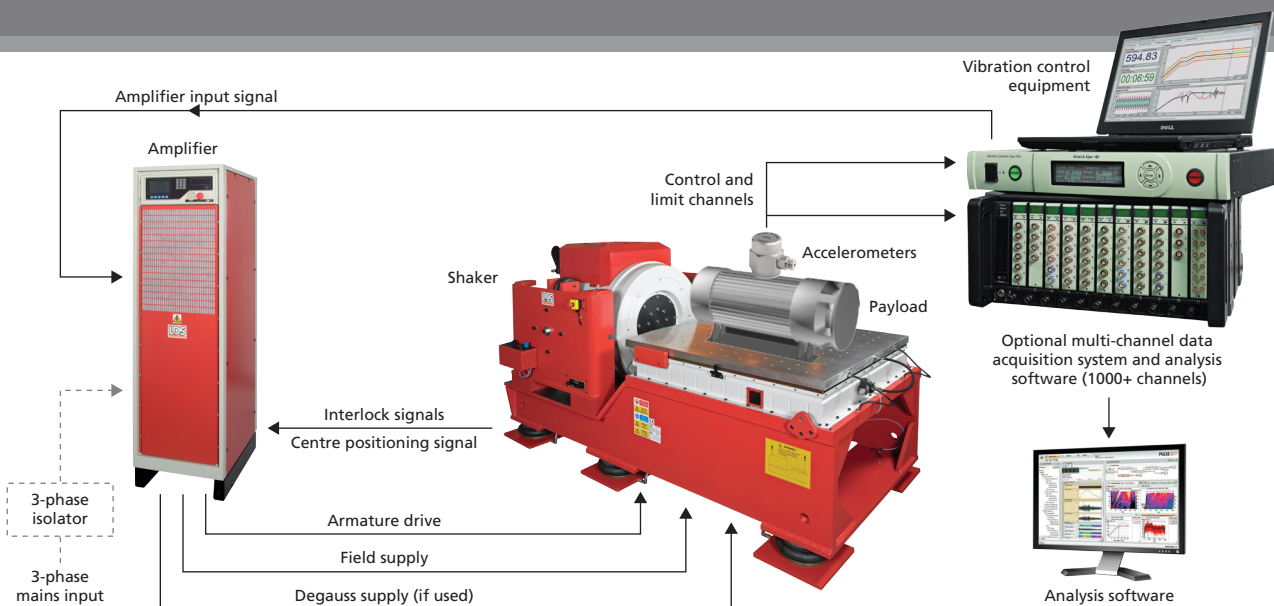
Reliability and low maintenance are key factors governing the profitability of wind turbines, as downtime and repair are prohibitively costly. Since component parts like electronics are subjected to substantial vibration, fatigue and failure can easily result.

Vibration testing of turbine components is vital to identify flaws early and minimize the risk of component failure, such as in durability and fatigue testing. By progressively applying severe

vibration stresses to a component in a short period, you can effectively prevent potential problems before design implementation and turbine deployment.

Using a Brüel & Kjær vibration test system gives the peace of mind that products have been tested rigorously and consistently. Brüel & Kjær's LDS shaker range allows you to check the integrity of components from small electrical parts to payloads of up to 5000 kg and more.

LARGE COMPONENT VIBRATION TEST SYSTEM



SERVICE AGREEMENT
Your choice of a service partner is as critical as your choice of system. Effective maintenance and adequate training are vital if you are to get the most out of your investment.

TYPICAL SYSTEM PRODUCTS

4031270	LDS shaker V875-640EF-HBT-900	Software	7770-N4	PULSE FFT analysis, 1-4-channels
4030520	LDS amplifier SPAK-V875	7708	7708	PULSE Time Data Recorder
7542	Vibration Controller	8702-N	8702-N	PULSE Reflex Core
Data acquisition				
3050-B-040	LAN-XI 4-ch. modular data acquisition (expandable)	Service	50070	LDS service contract
Accelerometers				
4507-B	CCLD accelerometer			
4513	IEPE accelerometer, 10 mV/g, side connector, insulated base			