



DGUV-V3 check

with ENERTRAG Operation

YOUR CONTACT TO US

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DGUV V3 in wind energy

Many people only know the DGUV V3 check as a small appliance test. But did you know that this also includes fixed installations such as wind turbines and substations? The good news: we test everything that doesn't have a plug - in accordance with DIN VDE 0100-600 and DIN VDE 0105-100!

At ENERTRAG Operation, we offer you reliable DGUV-V3 checking for low and medium voltage, including testing of protective devices. A new addition to our portfolio is the testing of external lightning protection systems in accordance with DIN EN 61400-24. And don't worry: all of our test engineers are trained electricians with many years of experience in testing wind turbines. The qualification of our personnel is the key to a successful and safe inspection.

We work with state-of-the-art measuring equipment, such as insulation measuring devices and protective relay testers, to ensure accurate and reliable results.

If we detect defects on site, we discuss them directly with you and make recommendations for rectification. Early detection of corrosion damage to a cable route, for example, can defuse a potentially critical situation - without major disruption to operations.



We offer you:

1	DGUV-V3 checking (low and medium voltage, protective device testing)	Testing of the electrical system with test report in accordance with VDE 0105-100, DGUV regulation 3 and BetrSichV, creation of a test report including a list of precise measurement data
2	DGUV-V3 check of the transfer station	Including inspection of the medium-voltage switchgear, visual inspection, general cleaning as well as the cable connection rooms, inspection of the cable connections, inspection and measurement of the earthing system, functional test of the lighting, sockets, cleaning of the station, ventilation grilles etc., measurement of the loop impedance and the RCD if available
3	DGUV-V3 check (commissioning)	Testing of the electrical system with test report in accordance with VDE 0100, DGUV regulation 3, visual inspection of the entire electrical system including transformer or transformer station, measurement of protective equipotential bonding, visual inspection of signage, switchgear accessories, switchgear documentation, testing of protective devices / protective relays (inspection, measurement, testing), creation of a test report including a list of exact measurement data
4	Testing the external lightning protection system (in accordance with DIN EN 61400-24)	Resistance measurement or continuity test from the nacelle to the earth connection lug in the tower base (subdivided into individual measurements depending on the design, e.g. for spark gaps)