



DGUV-V3 test

ENERTRAG OPERATION

Invisible defects in wind turbines become visible.

DGUV-V3 in the wind energy industry

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

We offer reliable DGUV V3 testing 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 our test engineers are trained electricians with many years of experience in testing wind turbines. The qualification of our personnel is the key to successful and safe testing. We work with state-of-the-art measuring equipment, such as insulation measuring devices and protective relay testing devices, to ensure accurate and reliable results.

If we discover defects on site, we will discuss them with you directly and make recommendations on how to rectify them. rectification. Early detection of corrosion damage to a cable route, for example, can defuse a potentially critical situation a potentially critical situation can be mitigated - without any major interruption to operations.



Module	Service	Scope
1	DGUV-V3 testing (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 incl. listing of exact measurement data
2	DGUV-V3 inspection 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 loop impedance and RCD if available
3	DGUV-V3 inspection (commissioning)	Inspection of the electrical system with test report in accordance with VDE 0100, DGUV regulation 3, visual inspection of the entire electrical system incl. 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 incl. listing of exact measurement data
4	Testing the external lightning protection system (according to 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, e.g. for spark gaps)

Our locations

◆ Dauerthal
Gut Dauerthal
17291 Dauerthal

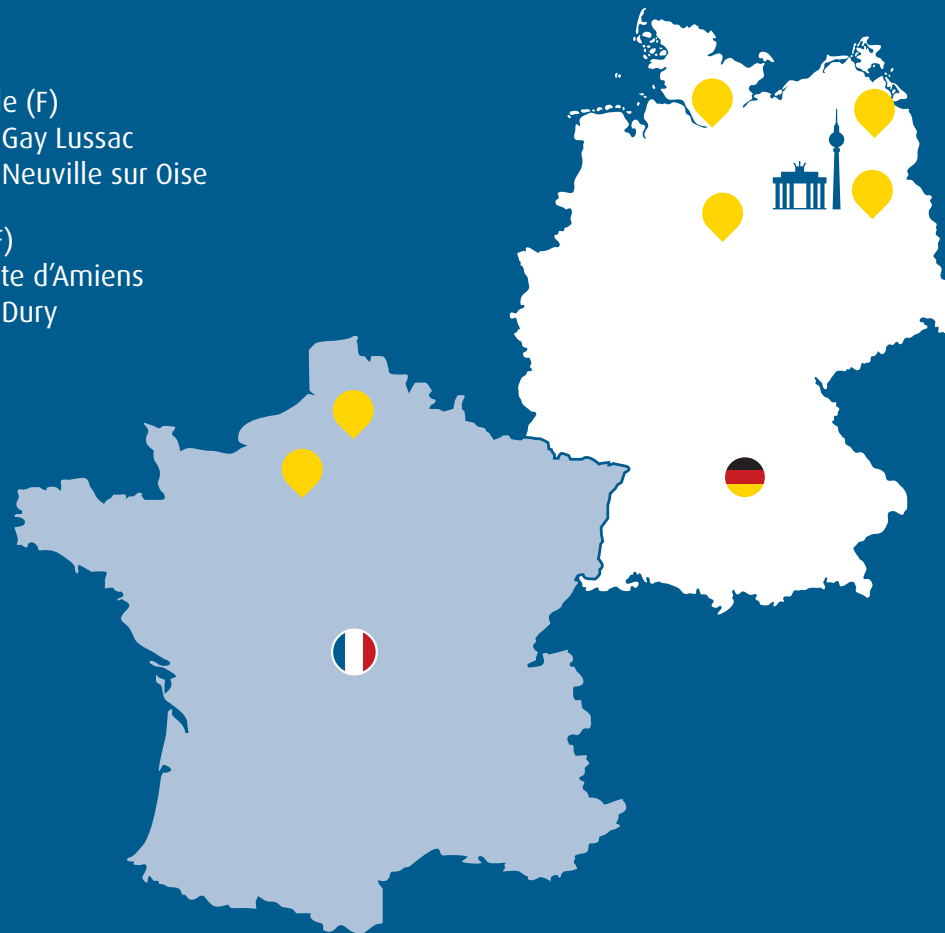
◆ Neuville (F)
9 mail Gay Lussac
95000 Neuville sur Oise

◆ Berlin
Friedrichstraße 152
10117 Berlin

◆ Dury (F)
26 Route d'Amiens
80480 Dury

◆ Edemissen
Eddesser Straße 8
31234 Edemissen

◆ Hamburg
Trostbrücke 1
20457 Hamburg



We reliably take care of your energy systems throughout Germany and beyond - including in France, Poland and, after consultation, in other countries too.

Contact us:

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Certification of the quality management system
according to DIN ISO 9001:2015