



## SPECIALIST FOR MAINTENANCE, REPAIR AND OPTIMISATION OF ROTOR BLADES

WKA is part of ROBUR WIND with 700 technicians, who work according to the highest HSE-standards. They use innovative tools and materials, and their database-driven, warranted processes guarantee efficient and sustainable service, from damage assessment to repairs.

Apart from inspection, repair and optimisation of rotor blades, WKA offers the complete blade exchange and recycling. Also, WKA is the ideal partner for upgrades such as pitch- and aerodynamic optimisation. We keep developing our services in close co-operation with research, partners and our customers. WKA provides teams on site in the windfarm. Across Europe. With certified partners shortly also in North- and South America as well as in India.

With the experience of 25 years, WKA offers reliable service for all common rotor blade and wind turbine types. With an eye on the future. To guarantee the calculated profits of your wind power stations, on and off-shore.

Service-solutions from one source:

### Inspection / Maintenance

- Inspection with rope access and platforms, drones and ground-based cameras
- Thermographic inspection
- Lightning protection measurement
- Leading edge protection
- Standard maintenance and safety-checks
- Expert reports (Due Diligence / Insurance)
- Corrosion protection tower and foundation

### Repair

- Structural blade damages
- Blade exchange, component exchange
- Serial damages
- Lightning & erosion damages
- Damages trailing & leading edge
- Transport damages

### Optimisation

- 3M Vortex Generators
- Pitch-Optimisations
- Serrations
- Anti-Icing concepts
- Erosion protection
- Gel- und signal color coating
- Winglets
- Rotor unbalancing
- Turbine Condition Monitoring (Gram & Juhl)

### Big Data

- Analyses for preventive maintenance
- Analyses for Lifecycle Management
- Comprehensive database from 15 years of damage recording

**As part of ROBUR, WKA offers even more: more than 2,000 employees work in the wind, water, energy, industrial and process industries. As expert partners for our customers we create holistic solutions from planning and implementation, to operation and maintenance, to the relocation and decommissioning.**