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WIND TURBINE & RENEWABLE ENERGY

www.sbs-eng.com



Advanced Technical Services
& Component-Level Repair
for Wind Turbines

Reliable Engineering, Maintenance, and Technical
Support for Wind Turbines & Renewable
Energy Systems.

CORE CAPABILITIES

Condition Monitoring & Diagnostics

- SCADA data evaluation
- Vibration, temperature, and load analysis
- Early failure detection (gearbox, main bearing, generator)
- Remote performance assessment

Mechanical Repair & Component Replacement

- Composite blade repair (structural & surface)
- Gearbox maintenance & overhauls
- Main shaft & bearing service
- Pitch & yaw system repair
- Hydraulic system troubleshooting

Electrical & Control Systems Maintenance

- Troubleshooting of power circuits & electronic boards
- PLC / converter / drive system repair
- Sensor & communication module replacement
- Control cabinet inspection & rewiring

Scheduled Preventive Maintenance

- 6-month / annual / major periodic maintenance
- Full turbine inspection & lubrication programs
- Torqueing, alignment, and safety system checks
- OEM-based maintenance standards





Operational Support & Technical Training

- On-site technical training for operators
- Safe operation procedures (SOP)
- Troubleshooting guidance
- Technical reporting and performance documentation

Spare Parts Supply & Inventory Support

- Gearbox and drivetrain components
- Pitch/yaw motors and control modules
- Electronic boards & converters
- Sensors, encoders, and safety components

Specialized Expertise

Supported Turbine Platforms

- Nordex N80
- Fuhrlander FL2500
- MAPNA 2.5 MW
- Windey Turbines

Key Strengths

- Experienced and certified field technicians
- Rapid-response service capability
- Minimal downtime through efficient repair cycles
- Transparent technical documentation

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