

Wind activity



Specialist in the energy transition to improve the reliability, performance and efficiency of your wind farms

johncockerill.com/services

 **John
Cockerill**

Technological solutions to meet the needs of our time

John Cockerill group combines technologies and expertise to perfect solutions on a large scale.

From simple parts repair to the complete overhaul of facilities, John Cockerill Services also provides maintenance, advice, guidance, specific studies and expertise for operational management and for technical, economical and environmental performance improvement of its customer's industrial equipment with the help of a staff of more than 3.000 professionals.

John Cockerill is able to call upon a network of local intervention units, with fully equipped workshops and technology centers in countries all around the world.



John Cockerill Services is the unique service provider backed by a **proven experience in industrial maintenance for more than 200 years.**

Our offer in Wind turbines maintenance

John Cockerill Services is active in the wind energy sector since 2008 providing a wide range of services to its customers, both onshore and offshore, and multi-brand.

- Maintenance work according to OEM specifications
- Gearbox oil analysis
- Visual blade inspection
- Improvement of wind maintenance plane



SCHEDULED

- Failure finding, Troubleshooting
- Small corrective maintenance
- Major corrective maintenance
- Mechanical & electromechanical components repairs on-site and in workshop
- Major Component Replacement



CORRECTIVE

- Gearbox and hydraulic system oil exchange
- Retrofits/Upgrades
- Revamping
- Reliability improvement through upgrades of mechanical parts with High Failure Rate



SPECIFIC WORKS



SPARE PARTS & CONSUMABLES multi-brand supply



COMPONENT REPAIR / REFURBISHMENT

- On site machining, welding services, rotor blade repairs
- At workshop: generator, re-winding, gearbox, yaw gear and all mechanical & electromechanical parts



INSPECTION & EQUIPMENT MONITORING

- Management of lift, crane, hoist, ladder & anchor points checking
- Blades inspection with optical devices
- Gearbox CMS & video endoscopies
- Vibration analysis management
- Oil analysis
- Thermographic analysis
- Alignment of the generator
- Reporting : issuance of reports by turbines and executive report

A fully certified and experienced team close to your needs

Your Needs, Our Solutions

- John Cockerill policy of continuous improvement
- Improved availability & reliability
- Lifetime extension
- Remote monitoring
- Performances monitoring
- LCOE optimization
- Long term partnership

Experienced team

John Cockerill has a fully trained service team as per wind industry standards with a high level of technical skills, flexible attitude and multitasking capabilities including:

- Operational managers
- Supervisors
- QHSE managers & inspectors
- Handling and lifting specialists
- Electromechanical experts with specific electrical qualification according to local norms
- HV authorized technicians
- Reliability experts
- Welders
- Rope access team (IRATA's proven method)

Experts in underwater maintenance and inspection activities

John Cockerill Services has developed a complementary activity of underwater works. With a team of experienced hyperbaric specialists who master interventions in marine and ionizing environments, John Cockerill Services offers a wide range of specialized services for offshore wind farms of all sizes.



Trained and certified by GWO, OPITO BOSIET HUET and NDT inspection, our divers, class II or III mention A, are experts who intervene 24/7 on operations :

- installation and dismantling
- underwater inspections
- underwater visual assistance
- repairs and maintenance



Contact

phone : +33 (0)6 12 79 03 96 - +33 (0)6 81 19 64 06
email: services.hyperbaric@johncockerill.com



Safety first!

- Safety and Technical trainings are our PRIORITY to provide services of high quality
- Safety is not only a process but is a part of the Wind team culture
- Many of our customers have joined our Safety Culture Health Improvement Campaign program and work with the 5 Golden Rules system

Quality, environment and safety Fully certified!

- ISO 9001 certification
- ISO 14001 certification
- OHSAS 18001 & ISO 45001 certification
- VCA**(SCC**) certification
- MASE certification



Our references



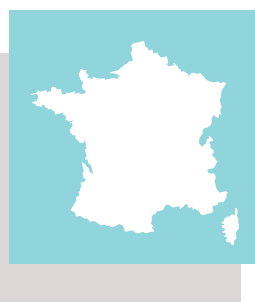
Worldwide activity & contacts



John Cockerill Services

Brazil

Wind Turbine Maintenance & Blades repair
services.windturbine.brasil@johncockerill.com
 phone : +55 (47) 3027-7453



John Cockerill Services

France

Wind Turbine Maintenance, Blades inspection & repair
services.windturbine.france@johncockerill.com
 phone : +33 (0)4 42 40 05 00



WIND

Spain

Multi-brand spare parts & consumables
info@g2wind.com
www.g2wind.com
 phone : +34 649 964 225



John Cockerill Services

Belgium

Wind Turbine Maintenance
services.windturbine.belgium@johncockerill.com

