



Independent wind turbine O&M for global fleets

European expertise. Global service capability. Local execution.

WindX UCP is an independent wind turbine service provider delivering lifecycle O&M solutions for onshore wind assets. We combine European wind industry expertise with proven large-scale service capabilities to improve turbine reliability and availability while reducing lifecycle cost.

4,700+

turbines in the accumulated record of WindX UCP and its parent organisations

700+

major component replacements

Danish and Chinese

joint venture, established 2025

Multi-brand

turbine expertise

European wind expertise. Chinese service scale.

WindX UCP is an independent wind turbine service provider delivering lifecycle O&M solutions for onshore wind assets.

It is a Danish-Chinese joint venture combining more than 35 years of European wind industry experience with the scale, technology and supply-chain capabilities of the world's largest wind market.

Our Danish management brings expertise across turbine manufacturing, service operations and offshore logistics, while our Chinese service organisation adds trained technician teams, established tooling and spare-parts capabilities, and experience across thousands of wind turbines.

Together, these capabilities enable WindX UCP to deliver efficient, independent multi-brand O&M solutions, combining European operational standards with proven service models and competitive execution, with Brazil and Latin America as key growth markets.

Company facts

Company	WindX UCP ApS, CVR 42736090
Headquarters	Møllerupvej 26, 8410 Rønde, Denmark
Service base	Tianjin, China
JV partner	United Creation Green Power Co., Ltd., founded 2017
Founded	2025
Focus	Onshore wind, multi-brand, full lifecycle
Website	www.windxucp.com



Service experience of the WindX UCP organisation



China



Denmark



Brazil



S. Korea



Japan



Pakistan



Cambodia



Vietnam



Singapore



Portugal



UK



Norway

Track record of the WindX UCP organisation

4,700+

wind turbines operated,
inspected and repaired

One service organisation behind the joint venture, from tooling and spares to trained technician teams.



560+

wind turbines installed
and commissioned

700+

units with major parts
replacement completed

3,000+

spare part types available
for supply

90+

sites served globally

80+

partners across the wind
value chain

16+

wind turbines relocated to
new sites



Figures are the accumulated service record of the WindX UCP joint venture and its parent organisations, including United Creation Green Power in China. WindX UCP ApS was established in 2025 and did not perform all of these projects directly.

Full lifecycle wind turbine services

One partner for every phase of the turbine's life, across turbine brands.

1

Install and commission

- Installation support
- Commissioning, testing and handover
- 560+ turbines in the WindX UCP record

2

Operate and maintain

- Preventive and condition-based maintenance
- Corrective maintenance and repair
- Substation O&M

3

Inspect and diagnose

- Blade, drivetrain, electrical, tower and foundation inspections
- Bolt axial force testing
- Vibration and oil monitoring

4

Repair and exchange

- Gearbox, generator, main shaft, blades, bearings and transformers
- Up-tower repair or at workshop
- Spare parts and tooling

5

Upgrade and extend

- Retrofit and upgrade campaigns
- Yaw system pads, arc flash protection
- Life extension

6

Repower and end of life

- Decommissioning and dismantling
- Relocation and reinstallation
- 16+ turbines relocated



How we work with owners

Flexible service models

From defined maintenance scopes and specialist campaigns to long-term O&M frameworks, we tailor the service model to the technical and commercial requirements of each fleet.

Reliability-driven maintenance

Each inspection adds to the fleet's technical history. We use recurring findings and failure patterns to prioritise rectification and continuously improve reliability.

Transparent reporting

Monthly reporting, availability reviews and improvement actions, documented to our global O&M standards.

Local delivery in Brazil

Brazil and Latin America are key growth markets for WindX UCP.



Experienced engineers on site

Under an O&M contract, we station a permanent team at your wind farms, bringing turbine-specific expertise and rapid response from day one.

Skilled Brazilian engineers and local partners

Structured knowledge transfer, training and mentoring build a locally staffed team, giving owners scalable manpower for peak works and fleet growth.

Documentation and proven O&M standards

Complete manuals, procedures and reporting in line with our global O&M standards, adapted to Brazilian requirements.

Three stages to a reliable partnership

1 Assess

Fleet condition, service history, SCADA data, major components and the existing maintenance strategy.

Deliverable: fleet condition baseline and agreed scope of work

2 Mobilise

People, HSE, tooling, spares, procedures, local compliance and technical interfaces.

Deliverable: mobilised site teams and approved annual maintenance plan

3 Operate and improve

Preventive and corrective maintenance, inspections, component campaigns and continuous reliability improvement.

Deliverable: higher availability and lower maintenance cost per MWh

International expertise. Local value for Brazil.

Coordinated maintenance support

A locally coordinated service model backed by international engineering expertise, helping owners plan interventions and reduce avoidable delays.

Global technical resources

Access to WindX UCP's European engineering experience and China-based technical resources, tooling and component supply.

Smarter component strategies

Component assessments, repair and replacement planning and spare parts sourcing that balance technical performance and lifecycle cost.

Reliability and continuity

Preventive maintenance, targeted inspections and diagnostics to spot emerging issues early and support turbine availability.

Independent and multi-brand. Adaptable to different turbine platforms and fleet conditions, with Portuguese-language business coordination and transparent reporting.

Major components, spare parts and bolting tools



700+

major component replacements in the WindX UCP service record

Figures and capabilities of the WindX UCP major component team in China.

How a component job runs

- Online monitoring of vibration and oil, then fault diagnosis with partners and clients.
- Remediation options identified quickly, repair up-tower.
- Shared stock of major components for faster supply.
- Repair workshop that brings high-value components back into service.
- Road repair and hoisting services for access.

Gearbox

Up-tower repair of intermediate and high-speed shafts after endoscope inspection. Full overhaul or exchange.

Generator

Complete exchange from removal of the old unit to installation, testing and commissioning of the new one.

Main shaft

Drivetrain overhaul for worn or damaged main shaft bearings.

Blades

Blade replacement and lifting for damaged or failed blades.

Pitch bearing

Replacement and function recovery for seized or noisy pitch bearings.

Transformer

Exchange and commissioning after major faults.

Multi-brand spare parts

3,000+ part types from one supplier, with cross-referencing for parts out of production. Components, consumables and specialist tooling in one order, for Vestas, Siemens Gamesa, GE, Goldwind, Envision and Mingyang platforms.

WREN hydraulic tooling in China

Through our China-based service network, WindX UCP provides access to WREN hydraulic bolting solutions, including torque wrenches, tensioners, pumps and cylinders, with sales, calibration, repair and rental.



Products covered: hydraulic pumps, IBT and LOW torque wrenches, HTE tensioners, hydraulic jacks, hoses, sockets and fittings.

WREN first-level agency appointment for the wind power industry in China is held by Tianjin United Creation New Energy Technology Co., Ltd. (valid February 2025 to February 2027), not by WindX UCP ApS.

Inspection and reliability technology



ORISONIC bolt axial force testing

Retorquing every bolt on a schedule tells you nothing about the bolts that are actually loose, and it wears the threads of the ones that are fine. The ORIBOLT X system by ORISONIC measures the real axial force in each installed bolt, without contact and without disassembly, so a bolting campaign is directed only at the joints that need it.

Every bolt, not a sample. We can test a complete flange in one visit and report the axial force of each bolt, showing under-tightening and missed bolts. **A record that follows the turbine.** Each measurement is stored per bolt, so the next inspection shows the trend.

1 Measure every bolt

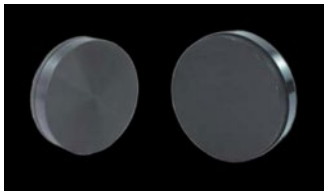
2 Store per bolt

3 Report per flange

4 Retighten only flagged bolts

WindX UCP-GNE silent yaw pads and brake pads

Yaw brake noise and vibration are among the most common recurring faults we see on ageing fleets, and the usual fix is a temporary one. We supply and fit WindX UCP-GNE composite yaw pads and brake pads that hold a stable friction coefficient over their service life, protect the friction disc and remove the vibration at its source. Fits are available for Vestas, Siemens Gamesa, GE, Goldwind, Envision and other mainstream platforms.



+30%

overall service life of the yaw system

-80%

unplanned downtime on treated units

500+

projects served with this product line

1 µm/km

wear rate for extended service life

Performance figures are manufacturer data from Greenidea New Energy for the WindX UCP-GNE product line. Independent SGS test reports on the Greenidea materials are available on request. These are product test reports, not company certifications.

WindX UCP-HNH blade monitoring

A blade fault shows up in two places before it becomes a tower strike: the tip clearance and the sound.

- Cameras and edge computing in the nacelle measure tip clearance in real time.
- Acoustic sensors compare the fingerprint of the three blades against each other.
- When one blade drifts, the owner knows which one and how fast, with the data stored per blade for warranty and insurance discussions.

Supplied and installed by WindX UCP with Hanenghua Technology; monitoring data available through the owner's SCADA or a standalone dashboard.

Arc flash protection

Electrical faults are the leading cause of turbine fires, and a nacelle fire is a total loss. We fit active arc flash protection that senses temperature and smoke and trips the fault in milliseconds. The units are built for the vibration and dust of a nacelle, install without rewiring, and report their status remotely.

- Plug-and-play modules with remote status reporting.

Our industry network

Turbine manufacturers

Owners and operators

Technology, component and service partners

Let's talk about your fleet

Independent wind O&M, major component services, and advanced reliability solutions.

Explore WindX UCP

Scan to discover our services, technologies, and wind energy solutions.



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