




Operational Management



Renewables are our DNA

**ABO
WIND**

Operational Management: Select the service levels you desire for your wind farm!

	Technical Management				Commercial Management		
	Remote Monitoring	On-site Service	Operation	Environment Impact Control	Accounting	Contracts	Commercial Management
 <p>Premium</p>	<ul style="list-style-type: none"> ■ Analysis of operating data to optimise performance ■ Plausibility check of operating data ■ Optimised data communication & quality ■ Maintenance of operator portal ■ Premium access to monitoring software 	<ul style="list-style-type: none"> ■ ABO Lock in each WTG with intelligent key management and component access control ■ Biannual inspections of WTGs ■ Monthly visual inspection of facility ■ Ice resets 	<ul style="list-style-type: none"> ■ Review of updates, upgrades, operating reports and data by technical experts to optimise performance ■ Plausibility check as proof of authority ■ Extended monthly “Premium-Plus” report ■ Monthly availability comparison ■ Incident and damage management by technical experts 	<ul style="list-style-type: none"> ■ Recommendations on mitigating environmental impact ■ Stakeholder management ■ Annual inspections of compensation measures ■ Support with local complaints ■ Technical support for noise monitoring 	<ul style="list-style-type: none"> ■ Integrated approval processes ■ Support for tax law inquiries ■ Cost analyses ■ Supporting external auditors ■ Preparation of the notes to the annual financial statements ■ Corporate law procedures ■ Support for general meetings 	<ul style="list-style-type: none"> ■ Contract optimisation, including RFQs and tender-process management ■ Tracking of compensation payments (feed-in management) ■ Assessment of eligibility for curtailment compensation payments ■ Evaluations and reporting 	<ul style="list-style-type: none"> ■ Monthly reporting based on customer requirements ■ Management of bank financing ■ Optimisation of operational costs
 <p>Comfort</p>	<ul style="list-style-type: none"> ■ 24/7 remote monitoring via Control Room ■ Coordinated and predictive fault clearance ■ Data Network monitoring ■ Performance curve check for performance monitoring ■ Notification to off-taker ■ Performance monitoring of subsystems ■ Comfort-level access to monitoring software 	<ul style="list-style-type: none"> ■ Coordination of switching authorisation ■ Annual inspection of WTGs ■ Monthly visual inspection of facility ■ Coordination of vegetation control. ■ Key management on site ■ ABO Lock for component safety in every WTG 	<ul style="list-style-type: none"> ■ Plant responsibility according to EN 50110 ■ Personal technical park manager for proactive monitoring & management ■ Incident management ■ Monitoring of operating conditions ■ Availability monitoring ■ Monthly premium report ■ Insurance management 	<ul style="list-style-type: none"> ■ Monitoring of species protection measures ■ Noise monitoring ■ Land management ■ Coordination and documentation of implemented measures 	<ul style="list-style-type: none"> ■ Payment transactions ■ Dunning – Delinquency collections, ■ VATreturn management ■ Preparation of annual financial statements ■ Liaising with tax advisor 	<ul style="list-style-type: none"> ■ Contract management ■ Fulfilment of contractual obligations to off-taker ■ Fulfilment of reporting obligations ■ Audit of feed-in billing ■ Lease accounting ■ Land register monitoring ■ Controlling and filing of guarantees ■ Electricity tax Reporting 	<ul style="list-style-type: none"> ■ Full commercial overview ■ Liquidity planning and management ■ Quarterly standard reporting including financing ratios
 <p>Basic</p>	<ul style="list-style-type: none"> ■ Electronic logbook ■ Transmission of malfunction notifications ■ Monitoring of the plant status ■ Basic customer access to monitoring software 	<ul style="list-style-type: none"> ■ One central ABO Lock for smart key management 	<ul style="list-style-type: none"> ■ Automated defect, deadline, documentation and incident management ■ Monthly basic report ■ Monitoring and notification of owner obligations under the maintenance contract 		<ul style="list-style-type: none"> ■ Transaction posting ■ Accounting evaluations 	<ul style="list-style-type: none"> ■ Maintenance of contract overview ■ Automatic deadline notifications ■ Recording of revenues ■ Plausibilised revenue check 	

Add-Ons (Additional Project Support Services)	Project Handover		End of Life Management
	<p>Handover Support</p> <ul style="list-style-type: none"> ■ Initial inspection coordination ■ Selection of external auditors ■ Support during initial inspection 	<p>Operational Management Documentation</p> <ul style="list-style-type: none"> ■ Obtaining WTG documentation in accordance with the WTG purchase contract ■ Deadline management ■ Support in obtaining the WTG documentation 	<p>Support of the entire dismantling process and optimisation of return, including, among others:</p> <ul style="list-style-type: none"> ■ Assessment of resale potential ■ Termination of existing contracts ■ Application for dismantling permit ■ Coordination of the dismantling process ■ Liquidation of the company



We Fulfil Your Wishes

We have been providing Operational Management services for wind farms on behalf of the operators for more than twenty-five years, from the smallest first generation wind farm to modern large-scale projects. Today, our experienced staff monitors and manages more than 2,200 megawatts of capacity in nine countries. We know: Every wind farm is different, every operator has different requirements. This is why our different service levels offer maximum flexibility. We act in the interest of our customers and enforce their claims in case of conflicts with external service providers and suppliers..

We Offer Complete Documentation

Unlike many of our competitors, we have our own department for project auditing and handover: we collect, check and compare all documents from the planning, construction and financing phases. Operators have prompt access to all project data, an overview of warranty periods and documentation relevant to safety and approval. On request, we also initiate, accompany and take responsibility for the acceptance test of the wind farm and supervise the elimination of defects. In this way, we build the basis for an efficient operational management.

We are happy to recommend the service levels that best suit your requirements.

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We Discover Optimisation Potential

Operators of several wind farms benefit from technical and commercial portfolio management: A personal contact person manages your portfolio. The uniform data preparation of all wind farms enables cross-wind-farm analyses, brings synergy effects, and makes the work of asset managers easier. With this knowledge, we can implement preventive measures. Our BWE-certified technical experts have a detailed view of your wind farm and detect hidden optimisation potential.

We Combine Operational Management and Maintenance

Whether operational management, portfolio management, expert opinions or maintenance: ABO Wind supports wind farm operation from A to Z. On request, you can save money by combining our operational management with our maintenance services.

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