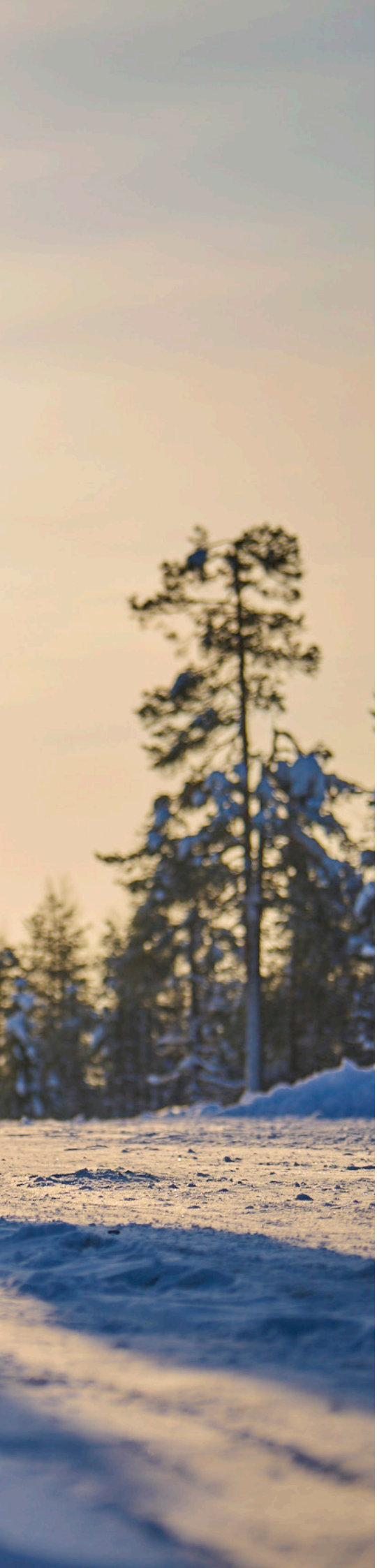

Muehlhan
Wind Service
Muehlhan
Wind Service



Extending wind energy delivery: executing at scale with integrated services

As wind projects scale up, execution capability is becoming critical to success. By integrating six specialist companies, Muehlhan Wind Service (MWS) offers a single point of contact, cuts complexity and supports safer, faster and more reliable delivery.

As global wind energy deployment accelerates, meeting ambitious targets over the next decade is increasingly about execution rather than aspiration. Turbines are growing larger, projects are more complex and supply chains remain under sustained pressure. While technology innovation and policy targets often dominate headlines, the real challenge lies in managing large-scale operations efficiently, safely and with minimal risk to timelines.

MWS provides a window into how this is being addressed. Founded as a specialist provider for wind services, the company now supports OEMs, developers and asset owners across onshore and offshore projects, combining expertise in installation, operations and maintenance, blade repair and protection and electrical integration.

In practice, this involves everything from pre-assembly at ports and high-voltage commissioning to quality inspections, logistical coordination and multidisciplinary project management.

From specialist contractor to integrated service partner

The wind energy landscape has shifted dramatically throughout the last decade. Onshore projects are increasingly sited in remote or challenging terrain, while offshore developments extend further from shore into deeper waters, covering larger areas. Turbine size has increased substantially, creating new logistical and technical demands. These trends are redefining expectations for service providers.

For MWS, adapting to this evolution has meant expanding both scale and scope. According to Søren Høffer, CEO, scale and breadth of competence are no longer optional. 'Engineering service providers will never match turbine manufacturers in size,' he explains, 'but reaching a critical scale allows us to participate more actively in complex projects and support customers in new ways.'

This philosophy underpins the consolidation of six companies under the MWS brand. The integration brings together complementary technical capabilities, geographic reach and operational experience, creating a single point of contact for clients across the full project lifecycle. The group includes companies with expertise in electrical services, blade repair, onshore installation and regional market knowledge across Europe, North America, Asia and Oceania.

Integrated capabilities for improved project delivery

The integrated structure offers customers several tangible benefits. Installation and commissioning expertise now spans site preparation, logistics, heavy-lift operations and

both onshore and offshore turbine installation. Electrical and grid integration capabilities cover medium and high-voltage work as well as substation connections. Comprehensive operations and maintenance services include blade repair and protection, rotor imbalance measurement, component replacement and strategic spare parts sourcing.

Project management and workforce deployment have also been centralised. Skilled manpower and specialised equipment are coordinated across project phases, reducing interface risk and improving schedule predictability. By bringing all capabilities under a single organisational framework, MWS is able to simplify communication channels, provide unified reporting and minimise handover delays. This cohesion is increasingly vital as turbine size, project complexity and deployment volumes continue to rise.

Høffer notes: 'Integrating these companies enables us to offer a truly complete service experience. For our customers, it means fewer handovers, more predictable schedules and teams that can operate seamlessly across projects and regions.'

Addressing workforce and talent challenges

Wind energy projects require a specialised workforce. Engineers, technicians and project managers are in high demand and ambitious deployment targets cannot be met without effective talent development. MWS addresses this challenge by combining local recruitment with global experience. International projects allow teams to gain exposure to diverse operational environments, from varying turbine technologies to different terrain and weather conditions. This approach builds technical expertise, problem-solving skills and operational resilience.

Structured training programmes, career pathways and international project rotations enable young professionals and technicians to gain hands-on experience while contributing to high-stakes projects. Internal development is prioritised over external recruitment, helping to retain institutional knowledge and maintain operational continuity, particularly during periods of integration. 'We focus on retaining our people first, then attracting talent,' explains Høffer. 'Internal development accelerates readiness for new responsibilities while maintaining operational continuity.'

Safety as a non-negotiable priority

The increase in turbine size and project complexity has heightened safety risks. MWS maintains a culture where safety is absolutely critical. Continuous training, rigorous supervision and harmonised standards across teams ensure safety is embedded in daily operations rather than treated as a compliance exercise. The integration of multiple companies has presented challenges, particularly in aligning health and safety practices across diverse scopes and geographies. MWS has implemented 12 life-saving rules, reflecting the need to manage risks associated with different project environments and work types.

Safety is also about protecting families and communities, not just compliance or operational risk. By ensuring colleagues can work confidently and securely, MWS mitigates both human and economic risks inherent in large-scale operations.

Blades and specialised services

Blade repair and protection have become a key component of MWS's offering. Larger turbines mean that rotor blades are more exposed to stress, weathering and damage. Effective blade maintenance prevents energy losses, extends turbine life and reduces unplanned downtime. With the integration of companies, the group has strengthened expertise in blade services, particularly in regions like North America, where this knowledge was previously limited.

Customer-centric project execution

Consolidation has improved outcomes for customers. By integrating technical, project management, legal, compliance and logistical capabilities, MWS reduces complexity and improves reliability. Customers benefit from faster execution, fewer handovers and simplified communication channels. Multidisciplinary teams now work closely together from port operations to onsite commissioning, maintenance and electrical integration.

The integration also supports scalability. Teams can be deployed internationally while maintaining local hiring and workforce development, combining experienced global expertise with regionally knowledgeable staff. This ensures MWS can adapt quickly to local regulations, terrain challenges and supply chain constraints.

Global footprint and sector engagement

Wind energy projects are inherently international. Policy environments, permitting timelines and project pipelines differ across

regions, requiring service providers to deploy teams globally while adapting to local conditions. MWS has built a presence across Europe, the Americas and Asia-Pacific, enabling knowledge transfer between projects, standardisation of high-quality practices and flexible scaling of technical teams where demand is highest.

Beyond immediate deployment needs, the company actively invests in developing the next generation of wind energy professionals. Structured training, international exposure and clear career pathways strengthen both the workforce and operational capability, helping to address global talent shortages while supporting project delivery.

This global footprint also means MWS engages directly with the wider wind energy sector. The company will participate in the WindEurope Annual Event 2026, providing an opportunity to discuss operational excellence, workforce development and supply chain resilience. By sharing insights gained from integrating six specialist companies under a single brand, MWS demonstrates how multidisciplinary execution, safety and efficiency can be scaled across geographies.

Høffer notes: 'The next phase of wind energy deployment will not be won by turbine size alone. It will be determined by the supply chain's ability to execute at scale, safely, efficiently and collaboratively.' For customers, this means projects can be delivered faster and more reliably, with fewer handovers, clear communication and access to a fully integrated set of capabilities. For the sector, it offers a model of how integration and execution at scale can overcome the increasing complexity of modern wind projects.

Measurable benefits for customers

The consolidation of new companies under the MWS brand has delivered immediate advantages for customers. Projects now benefit from faster execution, fewer handovers and improved reliability. By having a single point of contact, clients experience simplified communication, clearer reporting and reduced interface risk across complex operations.

Høffer explains: 'Immediately, there were synergies between the group companies that enabled us to better address customer needs. Projects in Europe and North America now see efficiencies in pre-assembly and installation, emphasising the benefit of having a single partner coordinating multiple scopes of work.'

These improvements are particularly relevant for large-scale projects where minor delays can cascade into significant schedule and cost implications. By integrating technical and project management expertise, MWS ensures that multidisciplinary teams operate in close coordination, minimising downtime and delivering predictable results.

Lessons from integration

Bringing multiple companies together has required careful alignment of processes, culture and capabilities. Standardising safety practices, harmonising operational procedures and embedding quality controls across diverse teams has been challenging but essential.

'We are encountering challenges in training and health and safety practices at a larger scale,' Høffer notes. 'Implementing the same safety standards across different scopes and teams is not easy, but it ensures that operational risks are consistently managed.'

The group has also adopted integrated management tools to streamline operations and improve communication. Centralised planning, standardised reporting and unified project oversight allow teams from different companies to collaborate seamlessly. These measures help retain institutional knowledge while accelerating the onboarding of new personnel and newly integrated teams.

Future outlook

Looking ahead, MWS is focused on evolving its integrated service model to meet the changing needs of wind energy projects. This includes adapting to increasing turbine size, more complex offshore deployments and diverse regulatory environments. Continued investment in workforce development, international experience and technical capability ensures that the group can respond to customer demands quickly and effectively.

By combining technical expertise, operational capacity and workforce development under a single brand, MWS demonstrates that execution at scale is now the defining challenge in wind energy. The group's integrated model reduces complexity for customers, improves reliability and strengthens the sector's capacity to meet global targets during the coming decade.

muehlhanwindservice.com