Value Creation for Turbine Manufacturers—Lower Warranty Costs and Higher Customer Satisfaction

Well-crafted blades, nacelles and spinners that stand up to the rigors of nature and time are critical to turbine productivity. As the wind industry’s most experienced and knowledgeable composites supply partner, MFG Wind offers OEMs a single, trusted and comprehensive resource. From prototyping and materials selection to efficient processing and quality control, MFG Wind is uniquely geared to build products that will perform better and last longer. And when aftermarket repairs, replacements and services are needed, we are there to provide support for as long as the turbine is in service.

- Blades, nacelles and spinners
- Lowest cost of ownership over the lifetime of the component—with warranty record to prove it
- More than 25 years supplying the industry’s leading OEMs in North America
- Advanced materials for mass reduction and increased product life
- Five factories partially or fully dedicated to building composites for wind
- The most experienced and knowledgeable manufacturer of composites for wind

Repair and Service Solutions for Wind Farm Operators—Improving Productivity and Revenue

MFG Wind operates a full-service maintenance and repair business, MFG Energy Services (MFG ES). MFG ES is an integrated part of MFG Wind and passes through the benefits of MFG’s longstanding and respected knowledge-base of wind composites.

- Less downtime—two service center locations for fast deployment anywhere in North America
- Accurate assessment of damage using state-of-the-art diagnostics
- Quality service you can depend on
- Factory Repair Option—when repairs cannot be done onsite, factory service in a controlled environment is available
- Engineering backup for solving unusual or complicated problems

Reconditioning and Replacements—Extending the Productive Life of Your Turbines

Part Reconditioning: A way of adding productive value to legacy turbines—MFG offers restoration services from four of our factories.

Replacement Parts. For operators of aging fleets or resellers of pre-owned turbines, MFG Wind is a premium resource for aftermarket replacement blades, nosecones, nacelles, hatch covers and other FRP components that are no longer available from the original supplier.

Dedicated R&D Lab for Testing, Validation and Problem Solving

A distinction between MFG Wind and other composite molders is the support we provide customers through our dedicated R&D laboratory, MFG Research. MFG Research is the largest in-house laboratory in the composites processing industry and provides unmatched expertise in materials testing, material selection and process development, along with the ability to rigorously test and verify product integrity.

- Accurate, fast-response technical and lab support that helps you improve your products, accelerate development cycle time and reduce fabrication costs.
- Should problems arise while your product is in service, we can assist you with testing, analysis and remediation guidance.
- A la carte testing and validation services are available to support the development or selection of materials or processes for any composite product.

Design Engineering Support

MFG Wind can provide various levels of engineering support as a value-added service. For new product designs or design revision/updates, we can provide detailed design analysis and propose design changes for improved manufacturability.
MFG Wind has established a network of strategically located factories that feature the highest standards of composite manufacturing technology. Resin infusion and open molding processes are available as well as automated trimming, drilling and painting.

Five of MFG’s 12 manufacturing sites are partially or fully dedicated to fabricating composites for wind, including a showcase 325,000-sf plant in South Dakota. In cases where regional fabrication is desired, it is possible to bring on special teams from other factories that can transfer technology and know-how.

This network of factories enables Just In Time delivery and efficient transportation options for improved flexibility and cost-savings.

We invite you to contact us to discuss how we can support your needs—new design, re-design, production ramp-up, or other.

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