



**ENERGY
SERVICES**

Your Premier Blade Service Company

Specializing in
Composite Structures



MFG Energy Services Company

The offspring of the distinguished manufacturer of composite wind turbine components; MFG's lineage gives us the foundation of experience that is unsurpassed.

Safety First

- Excellent safety record
- Comprehensive training program
- Daily tailgate meetings
- Risk assessment

Experience Counts

- Most experienced blade service company in the USA
- 25+ yrs building and servicing blades
- 67 years in the composites industry
- Blade engineering team on staff

Value Creation

- Rapid deployment—less down time
- Prepared with tools, equipment and materials on hand
- Technicians trained to execute according to approved work instructions
- Documentation of completed work



Scheduled Maintenance Reduces Downtime for Maximum Efficiency and Profit

Reacting to a failure or repair is more costly than pro-active scheduled maintenance through preventive actions. Preventative inspections are a Best Practice for wind farm operations. Ask about our flexible cost control programs that keep your turbines working year in and year out.

End of Warranty Inspections Protect Your Investment

Take advantage of the warranty offered and make sure the blades are not failing due to manufacturing defects before expiration of coverage. During these inspections lightning damage or other non-warranty problems may also be found and repaired before a serious problem occurs.

Time of Delivery or Installation Inspections

Whether at the port, storage yard or onsite, blades should be inspected before installation.

Factory Repairs Available

For repairs that cannot be accomplished onsite, the part can be shipped to one of our factories for service in a controlled environment.

Replacement Parts

MFG Energy Services Company can provide replacement composite parts when they are no longer available. Quick turnaround.

MFG Wind—Building Blades, Nacelles and Spinners for over 25 Years



MFG Energy Services Company has a rich heritage as part of the Molded Fiber Glass Companies. MFG Wind is a premier supplier of wind blades, nacelles and spinners since the 1980's. MFG products are recognized for their top-rated warranty record that is a result of *built-in product integrity*.

This relationship makes MFG Energy Services Company unique among service providers—composite structures for wind energy is in our DNA.

Only MFG Energy Services Company is supported by a fully accredited research laboratory and corporate culture steeped in composites technology and composites excellence.



Expert Services Performed

Lightning damage

Tip repairs and replacements

Shipping and construction damage

Trailing and leading-edge splitting

Leading-edge erosion repair and protection

Structural repairs, internal and external

Lightning system testing, repair and replacement

Gelcoat and paint

Blade balancing

Disposal and removal of end of life blades and composite components

Inspection Services

Photography with high power lens

Close-up inspection using a suspended platform, unmanned aircraft systems, or crane basket

Lightning system continuity check

Comprehensive report/database

Other Turbine Services

Tower—inspection, cleaning, paint

Nacelle—inspections and repairs

Nose cones & spinners—repairs

Engineering Services

Aerodynamic Balancing

Dynamic Mass Balancing

Root Cause Analysis



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