Renewable Concepts

When blade integrity matters, industry leaders trust Renewable Concepts

COST-EFFECTIVE ACCESS. PROVEN RESULTS. From preventative maintenance to advanced composite blade repairs, Renewable Concepts Composites delivers turbine-ready solutions that protect performance, extend asset life, and reduce costly downtime.
Our composites team specializes in restoring and protecting wind turbine blades exposed to constant environmental and operational stress. Guided by integrity and backed by experience, we deliver high-quality repairs and preventative solutions designed to keep your turbines operating safely, efficiently, and at peak performance.

We focus on durability, precision, and long-term reliability—helping our customers avoid high-dollar failures before they occur.

A BABCOCK POWER RENEWABLES COMPANY

1402 Main Street, Neodesha, KS 66757 | 620-636-6040 rcbpi.com

rcbpi.com | 620-636-6040

Comprehensive Composite Repair

Our technicians are equipped to address a wide range of composite blade damage, including:

- Lightning Damage (Split Tips)
- Tip Replacements
- Bullet Hole Repairs
- Transverse Cracks
- Trailing Edge Cracks
- Internal Web Cracks
- Leading Edge Erosion
- Leading Edge Tape Installation
- Blade Weight Balancing
- LPS System Checks
- Transport Damage Repairs
- Full Blade Inspections

Integrity and pride in our workmanship define everything we do. Our team is ready to tackle even the most severe blade damage—safely, efficiently, and with minimal disruption to operations. Our customizable access platforms offer a flexible and efficient alternative to expensive cranes or truck-mounted aerial systems. Paired with skilled technicians and rapid response times, our approach reduces turbine downtime while delivering high-quality composite repairs—fast.

Expert Composite Repairs for Every Blade, Every Challenge.

Reliable. Responsive. Turbine-Ready.

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GENERAL SERVICES

Maintenance

- Break-Ins
- Preventative/Annual
- Base bolt Tensioning
- Site Support/Backfill
- Troubleshooting
- Gearbox & Hydraulic Lubricant Exchanges
- Retrofit Campaigns

Inspections:

- End of Warranty
- Pre and post Repower
- QA/QC

LARGE CORRECTIVE

- Yaw Drive Replacement (without use of an external crane)
- Pitch Drive Replacement
- Pitch Ram Replacement
- Generator Replacement
- Single Blade Replacement
- Gearbox Replacement
- Main Bearing Replacement
- Pitch Bearing Replacement
- Rotor Replacement

COMPOSITES

FLUID CHANGE SERVICES

- Gearbox Oil Changes
- Yaw Drive Fluid Changes
- Pitch Drive Fluid Changes
- Anti-Freeze & Cooling System Changes

WELDING & MACHINING

- Frame Welding Repairs
- Welding & Machining at Height (Uptower)
- Yaw/Pitch Tooth Repair & Replacement
- Yaw & Slew Ring Milling
- Major Structural Repairs
- Bolt Extraction, Heli-Coil
- Braking Surface Restoration
- Tower Deck Brackets
- Complete Fabrication Facility Available for Projects Large & Small
- Blade Stands, Fixtures & Tooling