



Job Title: WIND BLADE MECHANICAL MFG. ENGINEER
Location: NATIONAL CITY, CA
Reports To: COO
Salary/Wage: DOE – PLEASE LIST SALARY REQUIREMENTS
Status: FULL-TIME POSITION, NO RELOCATION AVAILABLE

Knight & Carver Wind Group is looking for a qualified, innovative Wind Blade Mechanical/Mfg Engineer to support our new product introduction process and help expand our field service offerings, while improving our manufacturing tooling and processes.

JOB DESCRIPTION:

- Wind Blade Mechanical/Mfg Engineer
 - Complete responsibility for all Engineering Documentation
 - Create Level II (Procedures) and Level III (Work Instruction) documents
 - Work with Quality Department to support a quality plan
 - Support the Engineering Change Order process
 - CAD models and Drawings (Solidworks)
 - Lean practitioner
 - 8D problem solving process
 - SMED
 - Value Stream Mapping (VSM)
 - DFMEA's/PFMEA's
- Design & Analysis
 - Develop engineering calculations/specifications for blades
 - Understand blade geometry, loads and apply to blade designs
 - Optimization of blade design
 - Design of new blade offerings for customer following internal new product introduction process
 - Engineering BOM's
 - Tooling/Fixture design and control
- Blade Service
 - Represent high technology standards of Knight & Carver in the field
 - Understand the requirements of the customer (internal/external)
 - Working Knowledge of quality management systems ISO, TS...etc
- Onsite Engineering Support for Knight & Carver
 - Root cause analysis of a blade failure
 - Process flow documents for blade repairs
 - Detailed engineering reports (internal or external)
- Turbine enhancements-Develop products that enhance the turbine's performance and reliability
 - Pitch angle mis-alignment and solution
 - Vibration Analysis and solution
- Advance K&C non-destructive testing and evaluation (NDE) capabilities
 - Thermal Imaging
 - Infrared Imaging
 - Ultra-sound
 - Real-time X-ray analysis
 - Static testing
 - Frequency testing
 - Co-planarity
 - Coupon testing
 - Advanced materials experience
- Perform miscellaneous duties, tasks and projects as needed.



REQUIREMENTS:

- BS or BE in a related engineering discipline. MS a plus
- Must possess the legal right to work in the United States
- 3-5 years experience as a Mechanical/Manufacturing Engineer
- 3-5 years composite experience a plus
- 2-3 years wind energy experience preferred
- Experience in plug/mold design and composite tooling & fabrication
- Travel up to 60%
- Willingness to work at heights, and in tight spaces (Not acrophobic or claustrophobic)
- Flexible work hours/days
- Excellent proficiency with AutoCAD, Office 2007 (Word, Excel, PowerPoint, Visio)

BENEFITS:

- 100% PAID Medical, Dental, Chiropractic & Long-Term Disability for the employee and 50% coverage for dependents after 60+ days
- Vision & Cafeteria Plans available after 60+ days
- 15 Vacation Days Annually
- 6 Paid Holidays Annually
- 401k Retirement Program with employer contributions after 6 months
- Educational Assistance Programs
- Employee Assistance Programs
- Professional working environment with a growing organization and staff!

HOW TO REACH US:

- PLEASE FEEL FREE TO APPLY IN PERSON!
- FAX: 619.791.1126
- EMAIL: hrwindgroup@kcwind.com
- IN PERSON: MONDAY through FRIDAY: 9am to 5pm

KNIGHT & CARVER WIND GROUP
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WWW.KCWIND.COM

Knight & Carver Wind Group is an Equal Opportunity Employer with a Drug-Free work environment.

WELCOME TO KNIGHT & CARVER WIND GROUP!