



Power Engineering & Manufacturing Ltd.

2635 WCF & N Dr. ♦ Waterloo, Iowa 50703

Phone (319) 232-2311 Fax (319) 232-6100

E-Mail pem@pemltd.com ♦ <http://www.pemltd.com>

Mechanical Design Engineer

Essential Functions: include the following. Other duties may be assigned.

- Regularly communicate with customers to determine or clarify product requirements.
- Responsible for design, development and execution of new products.
- Support continuous improvement in design and development.
- Actively support a defined strategy and philosophy that ensures the highest levels of quality and customer satisfaction while continually striving for cost reductions.
- Promote a data driven decision making culture.
- Coordinate with internal functional groups to ensure design integrity and manufacturability.
- Accurately complete new product design & development input requirements and all related documents; communicate to appropriate groups the status of all projects.
- Troubleshoot product nonconformities and customer concerns to prevent recurrence.
- Actively works with supply chain partners regarding material and part selection decisions, collaborative design work, and design solution development.
- Provides effective technical support for external and internal customers.
- Researches relevant industry trends and design and development methods for possible incorporation into PEM's best practices.
- Actively supports a customer oriented problem solving culture that leverages traditional expertise in gearing and gearbox design while also embracing new challenges (e.g., motors, couplings, mounting fixtures, motors, innovative customized product testing, instrumentation).
- Actively supports sales with qualifying leads, developing new opportunities, assigning engineering projects, and other activities.
- Supports development of technical sales and marketing material using a variety of platforms, e.g., presentations, web content, and key points of interest for onsite tours.

Education and/or Experience

- Bachelor's degree in Engineering -Or-
- An Associate's with 2+ years of experience in a highly technical field with strong mechanical aptitude. 5+ years relevant experience in mechanical engineering design preferred. Equivalent combination of aptitude, background, and experience may be considered.

Computer/System Skills

- To perform this job successfully, an individual should have knowledge of
- Solidworks, AutoCAD, or similar CAD system.
- The ability to learn PEM internal systems (e.g., Made2Manage ERP).



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- The ability to develop an understanding of ISO 9001:2015 requirements as they apply to PEM in general and Engineering in particular. Excel, Word, and PowerPoint.
- Microsoft Outlook/email.
- Microsoft Excel

Benefits:

Free Medical and Dental insurance on Single and Family plans after 1 full month of employment.

Eye insurance is available for a small premium.

401k and profit sharing after 1 month full month of employment

COVID-19 considerations:

Must be able to wear a face mask