



Mechanical Designer

Job Posting 1073

Description

FlexEnergy Energy Systems Inc., an innovator in environmentally friendly microturbines and recuperators, has a need for a Mechanical Designer. Candidate will be responsible for generation of 3D models and drawings (details, sub assemblies, kits, assemblies, etc.), under minimal supervision using Pro/E Wildfire 3/4. Candidate is accountable for drawing and BOM accuracy with regard to fit, tolerance and compliance with FlexEnergy and ANSI standards. The individual is expected to allocate significant time to preparing detail and assembly drawings.

Requirements

- Produce CAD design models, and drawings of complex tight tolerance industrial machinery using Pro/E Wildfire 3 and 4. Scope may be conceptual, trade off, or final design. Incorporate standards such as material sizes, punches, bend radii, leg length, etc.
- Calculate part tolerances, virtual conditions and tolerance stack-up analyses to ensure fit, function and economical manufacture.
- Produce and check drawings for design intent, completeness, correctness and compliance with drafting standards.
- Drawing types could include detail, isometric, exploded views, assembly, sub assembly, etc.
- Stay current on drafting and ANSI standards and CAD design technology.
- Work closely with suppliers in selected technical matters.
- Provide technical assistance for product literature, decals, technical manuals, etc.
- Provide support to other departments such as Assembly, Manufacturing, Service, Marketing, Quality Assurance, etc. as required. Make observations throughout development and integrate them appropriately.
- Provide investigation of engineering change (or product improvement) requests, non-conforming material reports and supplier deviation change requests
- Proficiency in Pro/E modeling and drawing skills are mandatory. Experience managing large complex multi level assemblies is a plus. Experience with Pro/Sheetmetal and Pro/Mechanica are a plus.
- Machine design experience mandatory. Experience with turbines (gas or steam), microturbines, turbochargers or other high speed / high temperature / high tolerance equipment a strong plus.
- Ability to multi task in a fast paced environment with constantly changing priorities required.
- Strong written, presentation, and documentation skills a plus.
- Knowledge of fabrication methods in a manufacturing environment is a plus
- Must be able and willing to learn and apply the latest technology in new product development and improvements of current products.
- "Hands on" designer who is comfortable spending time around the equipment is mandatory. Designer should be comfortable comparing actual hardware to virtual designs and be able to verify the design intent has been met.
- Design components, assemblies and products while considering proper fit, form and function, ease of assembly and field service access.



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Qualifications and Requirements

Two- year mechanical or electromechanical engineering technology or associates degree, plus additional specialized courses or training.

Complex machine design experience a plus.

Must be comfortable working in fast paced team environment and able to multitask with changing priorities.

Compensation and Benefits

We offer a competitive compensation and benefits package including medical, dental, vision, flexible spending account, life and disability insurance, and a 401K plan (with company matching).

FlexEnergy Energy Systems, Inc., is an equal opportunity employer.

E-mail inquiries & qualifications: hr@flexenergy.com
Please include "Mechanical Designer" in the subject line.