



Stage Zero (Pty) Ltd
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Registration No.: 9333290271

Job Title: Mechanical Engineer
Department: Research & Development

Overall objective of Job Function

Design, Analysis, Testing and Maintenance of mechanical components for renewable energy solution systems, whilst adhering to the formal standards (life cycle management, change control, etc.), for development processes and documentation (mechanical drawings, parts lists, etc.). Interaction and liaison with Operations, Deployment, Supply Chain and Sub-contractors (Suppliers).

Job Description (Tasks, Responsibilities & Duties)

Design and development of prototype products, processes and technologies to comply with design requirements for systems/sub-systems based on product specifications, interfaces, design for manufacture, etc.; Transposing designs into mature design models and drawings (incl. Supporting baseline documentation, e.g., parts lists, etc.); Becoming the mechanical design authority through the life cycle of the developed product.

Analyze design (thermal management, tolerance analysis, cost-saving, etc.), to optimize design of mechanical components/product.

Test by identifying requirements and designing test methods and equipment to evaluate concept designs and to implement into manufacturing as screening tests.

Maintenance of design matured into operations by providing support and developing solutions to design/process issues incurred during manufacturing (incl. Continuous improvement of existing products – cost saving)

Job Specifications (qualifications, skills, knowledge and abilities)

Critical Requirements:

- B.Eng or B.Tech in Mechanical Engineering;
- At least 4 years' experience, preferably in a mechanical development environment;
- Proficiency with Microsoft Office and Excel experience in a technical manufacturing environment;
- Intermediate working knowledge of 3D CAD packages (Autodesk Inventor advantageous);

Advantageous Requirements:

- Exposure to good design practices (e.g., design for manufacture);
- Knowledge of materials and manufacturing processes

Please forward your CV to martin.duplooy@stagezero.co.za

Closing date for submissions is 31 March 2023