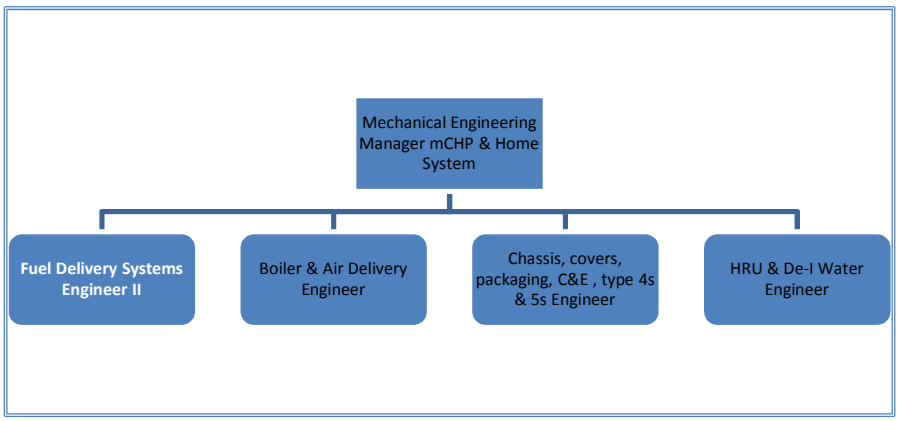
Job Description

Job Title: Fuel Delivery System Engineer **II**

Reports to: Mechanical Engineering Manager CHP & Home System

Direct reports: None

Organogram:



Purpose of the Job

Develop the product Fuel Delivery System to provide a family of Fuel Delivery Systems capable of low cost volume manufacture.

Key Accountabilities

- Design and development of the fuel delivery system and all key components.
- Fuel system ownership across all customer programmes.
- Analysis, characterisation and validation.
- Development and Validation test plans.
- Intelligent design for manufacture and assembly, using tools such as system QFD, risk analysis and DFMEA.
- Result reporting.
- Supplier and assembly partner development.

Key Results Areas – to do

- Develop innovative fluid handling concepts with analysis and modelling using first principles and CFD where applicable. Validate and develop robust designs using typical development activities including test and data analysis. Produce novel and rapid test solutions to further characterisation and validation activity.
- Output robust Fuel Delivery System design solutions capable of low cost manufacture.
- Design characterisation and validation test management.
- Achieve cost targets via development of low cost manufacturing methods.

- Develop manufacturing/assembly/quality capability of the selected supplier.

Internal & External Relationships

- Daily contact with Mechanical Engineering Manager CHP & Home Systems to ensure programme commitments are achieved.
- Close working relationship with Systems and test teams to coordinate activities.
- Interface with other internal supporting departments to quickly facilitate development activity.
- Interface with assembly Partner Manufacturing/assembly engineers.
- Develop supplier relationships with procurement function.

Knowledge, Skills and Experience

Required:

- Degree qualification from a leading university in mechanical engineering (or similar).
- Design and development of low pressure compressible fluid handling systems.
- Experience of solenoid actuators and fluid control components (proportional valves etc).
- A track record of delivering innovative mechanical and fluid system design solutions within a world class product development environment.
- Clear understanding of the importance of low cost solutions and design for manufacture.
- Strong technical, problem solving and communication skills.
- Clear understanding of the importance of agreeing timescales and milestones and sticking to them.
- A self starter with a desire to 'get the job done'.
- 3-8 years relevant post-grad experience.

Desirable:

- Extensive knowledge of mass manufacturing methods.
- Working to become a Chartered Engineer.
- Project management.
- DofE, Six Sigma, Taguchi, Robust.
- Data acquisition and analysis.
- System modelling experience: Simulink, Matlab.

Remuneration

The ideal candidate will receive a competitive salary, together with a benefits package including excellent contributory pension, cycle to work scheme, save as you earn scheme, childcare voucher scheme and life insurance.

To apply

Please send a full CV detailing relevant experience together with details of current remuneration package to: recruitment@cerespower.com or Ceres Power Ltd, Unit 18 Denvale Trade Park, Haslett Avenue East, Crawley, West Sussex, RH10 1SS www.cerespower.com