

Job Description

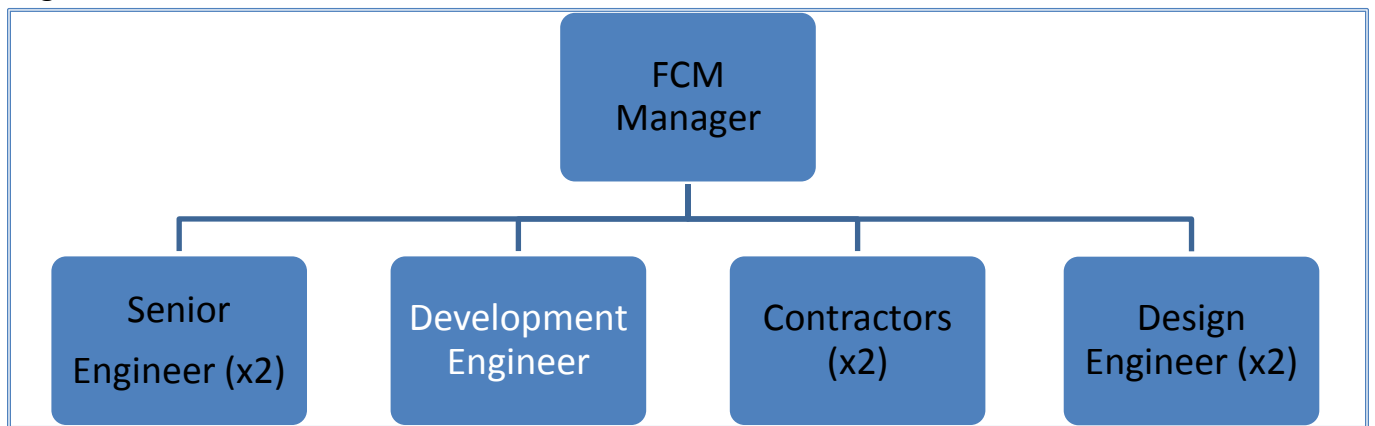
Job Title: Development Engineer

Reports to: FCM Manager

Direct reports: None

Budgetary Responsibility: None

Organisation Chart:



Purpose of the Job

To provide development engineering support to the Mechanical Engineering group, for the Fuel Cell Module team.

Key Accountabilities

- Progress development activities to deliver components that meet their performance, reliability and durability requirements
- To manage the validation and verification of sub assembly/component designs
- Support project planning, focus on delivery to meet business objectives
- Report results in line with overall programme
- Provide feedback to project/technical leaders on development activities and test results
- Work closely with other internal departments
- Supplier development and liaison
- Keep development and validation plans up to date (to include Project Plans and DVP&R)
- Plan and schedule development activity, both at supplier and in-house
- Full responsibility for the design verification and validation activities
- Work closely with the FCM Manager to define the scope of development projects and agree priorities
- Organise and manage collection of test data, analyse data using available s/w tools (Matlab etc)
- Attend Design and Development Reviews, assist with DFMEA updates
- Agree requirements, functions and design specifications with Systems Engineering
- Carry out post mortem of components and report back on findings

- Interface closely with Test Manager to schedule and detail tests required for sub-system/component validation exercises
- Interface closely with Test engineers to ensure tests are run appropriately

Key Results Areas – to do

- Product development to ensure performance and reliability objectives are met, and shortfalls, deviations in performance and durability from the required functional specification are identified and reported
- Prove design durability with Design Validation testing
- Complete all tasks in a timely manner to ensure program delivery on or ahead of schedule
- Develop and maintain sub-system project plans for development of parts or systems

Internal & External Relationships

- Daily contact with key stakeholders to ensure programme commitments are achieved
- Close working relationship with other members of Fuel Cell Module and mCHP teams to coordinate activities and component interface development
- Interface with Systems Engineering and Manufacturing Operations for seamless technology transfer and ongoing support during scale-up
- Develop supplier relationships with procurement function

Knowledge, Skills and Experience

Required:

- Degree qualification from a leading university in mechanical engineering (or similar)
- A track record of delivering innovative engineering solutions, with a focus on development and validation
- Significant experience of development test and interpretation of results, with understanding of measurement techniques, data acquisition and analysis.
- Experience with Pro-E CAD system

Desirable:

- Masters degree in mechanical engineering (or similar)
- Strong technical, problem solving and communication skills using recognised problem solving methodologies (e.g. Six Sigma or equivalent)
- Chartered Engineer or working to become chartered
- Detailed knowledge of mass manufacturing methods and influence on design

Remuneration

The ideal candidate will receive a competitive salary, together with a benefits package including excellent contributory pension, cycle to work 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, Viking House, Foundry Lane, Horsham, RH13 5PX, www.cerespower.com