

At Ceres Power we are revolutionising the production of quiet, efficient and environmentally friendly sources of power. A leading AIM-listed fuel cell company, we are successfully developing alternative energy products for a growing range of mass markets.

Job Description

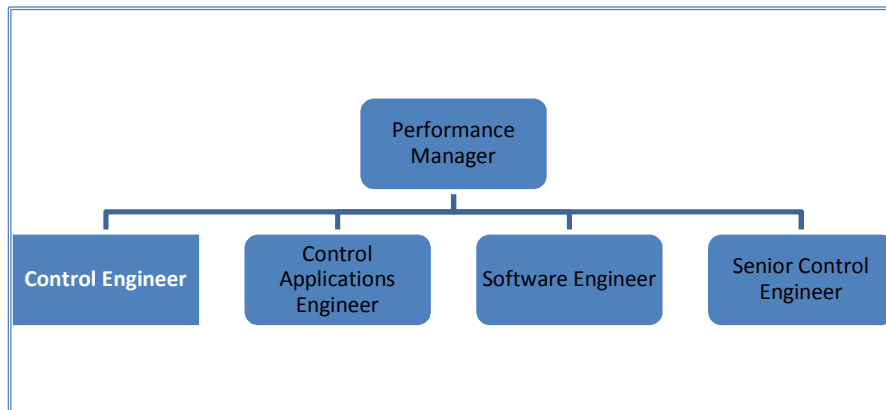
Job Title: Control Development Engineer

Reports to: Performance Manager

Direct reports: None

Budgetary Responsibility: None

Organogram:



Purpose of the Job

Design, test and implementation of embedded software, control strategies, and analysis tools for Ceres Power's products

Key Accountabilities

- Design of reusable control strategy components to be used across all of Ceres Power's products
- Ownership of particular software components from design and coding through to testing.
- Maintenance of released software (bug fixes and feature requests)

Key Results Areas – to do

- Use the Matlab/Simulink tool chain (including code generation) to develop embedded control algorithms and software.
- Develop physically-based models to be used in test harnesses

- Assist in development of product diagnostic algorithms
- Development of mathematical analysis and reporting tools for test data

Internal & External Relationships

- Regular contact with the Control Applications Engineer to determine control strategy requirements.
- Regular contact with the Control and Electronics team as a whole.
- Contact with Test Team and System Engineers during testing of developed algorithms on real systems.

Knowledge, Skills and Experience

Required experience/qualifications:

- At least Degree Qualified in a relevant discipline (e.g. Engineering Science, Electronics, Mechanical Engineering etc)
- A recent graduate with up to 3 years industrial experience

Required skills:

- Basic classical control design techniques
- Some experience of programming in a high level language (e.g. Matlab/Simulink, Visual Basic, C/C++)
- An understanding of physical systems (at least one of thermal, fluids, electrical)

Desirable:

- System modelling (e.g. Simulink, Dymola)
- Optimisation tools and techniques
- Sensors, actuators and instrumentation
- Understanding of basic electronics

Remuneration

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

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