

Job Description

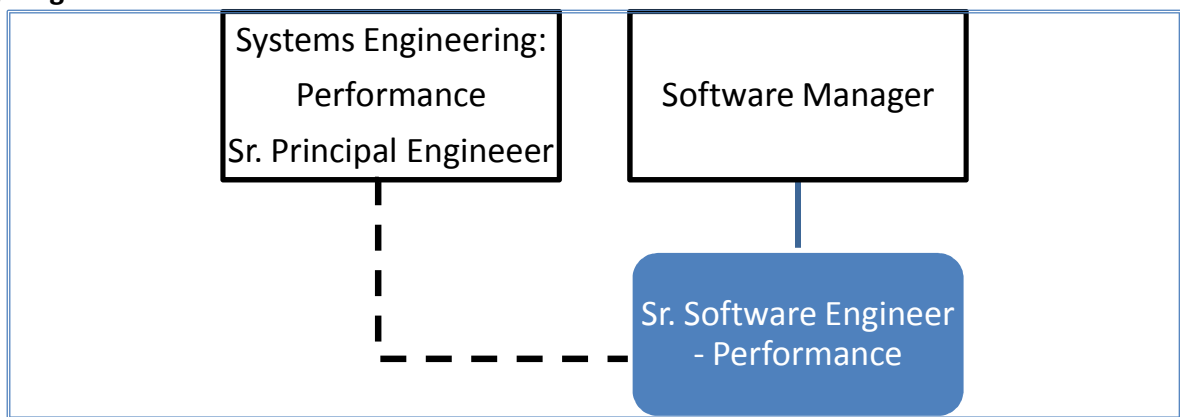
Job Title: Sr. Software Engineer - Performance

Reports to: Manager - Software

Direct reports: None

Budgetary Responsibility: None

Organogram:



Purpose of the Job

Through the development and use of company best practice techniques, support the Systems Engineering and other functions in analysing available information. The outputs of such analysis will support the development of automated processing algorithms, defining, generating and interpreting system level key performance metrics.

Key Accountabilities

- Development of best practice processes for analysis of engineering data.
- Ensure that company uses the most appropriate and consistent set of tools for manipulating information.
- Ensure requirements are captured, tools are delivered, training and support are provided in the use of tools throughout the company.

Key Results Areas – near term to do

- Develop understanding of product behaviour through analysis of test data and the outputs of techno-economic analyses.
- Improve consistency of application of data analysis tools throughout the Engineering Community.

- Through performing gap analysis, or similar, create development plan for Ceres Power data analysis tools, techniques and techno-economic models.
- Manage the generation of standardised analysis and reporting tools to automate common processes.
- Identify high design features that have highest sensitivity on Product Performance (carbon and cost).
- Field Trial data mining analysis .

Internal & External Relationships

- Software Team
 - An active part of software engineering function leading the development of tools and techniques to support the wider engineering community in areas of data analysis and other analytical techniques.
 - Support the wider adoption of software function Quality practices throughout the organisation in the analysis of data.
- Engineering Lead & System Engineering Team
 - Support evidence based decision processes through either data analysis or other analytical techniques.
 - Identifying requirements to ensure Engineers can interact with data.
- Design Validation Team
 - Support the development of tools and techniques for the analysis of test results ensuring Best Practice software quality methods are adopted.
- Certification and Regulatory Lead
 - Generate paper study assessments of products with respect to regulatory standards
 - Support the collation of data from testing to evidence safety case documentation.
- Cell R&D, Manufacturing Operations
 - Support adoption of software quality practice in the analysis of process data.
- Commercial
 - Generate modelling and optimisation tools to support techno-economic analysis of a uCHP system.

Knowledge, Skills and Experience

- Experience (circa 5 years) of developing and using software and modelling tools working in a cross functional team, using best practice software engineering practices.
- Expert understanding of programming in a high level language (e.g. Matlab/Simulink, Visual Basic, C/C++) and the associated software life cycle.
- Understanding of physical systems modeling techniques (at least one of thermal, fluids, electrical).
- At least Degree Qualified in a relevant discipline (e.g. Engineering Science, Electronics, Mechanical Engineering etc).
- Aware of the use of statistical methods in Engineering; i.e. Six Sigma type techniques.
- Excellent communication skills, both written and verbal.

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.