

Job Description

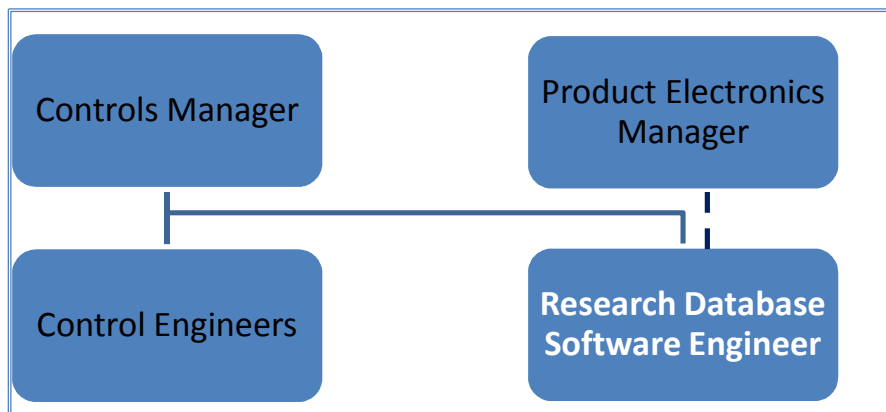
Job Title: Research Database Software Engineer

Reports to: Controls Manager

Direct reports: None

Budgetary Responsibility: None

Organogram:



Purpose of the Job

Ceres Power needs to remotely capture data from our CHP products as well as process and present information from that data to support Ceres Power improving product performance and reliability.

To agree requirements for, design, implement and support the data and communication infrastructure surrounding the micro-CHP product, including:

- Database and data retrieval of long term data, used to improve product performance and reliability.
- Real time data capture and presentation for product support.
- Communications over IP to the product for product data and control.

Key Accountabilities

- Responsible for specifying and implementing data capture, reduction and presentation (via web applications) on product's collective performance (both historic and real time).
- Supporting field trials to ensuring data quality and communications up-time for deployed products.

- Responsible for specifying and procuring remote logging and instrumentation equipment.
- Responsible for defining the remote access and diagnostic interfaces to the product, including live data access and remote re-programming of the software of the CHP product.

Key Results Areas – to do

- Provide data portals to both Ceres Power and our customers (e.g. British Gas).
 - Provide real time status information on CHP units in the field.
 - Provide access to more detailed information on the units.
 - Provide real time remote diagnostics access to the unit.
 - Provide the capability to upgrade the software on all CHP units in the field.
- Ensure data interfaces are robust so that data is available when needed and that data is not lost or corrupted.
- Ensure interface protocols are well specified and documented so that all parties can work independently on their own implementations.
- Remote access interfaces are defined and implemented which mean that the CHP product can be remotely monitored, diagnosed and re-programmed thereby reducing site visits and providing customers with field data.

Internal & External Relationships

Internal

- Assistant Director – Controls: regular updates on progress, issues and risks.
- Control and Electronics team: multiple interactions around specifications, implementation and testing of interfaces.
- Product Management: agree written specification for product and infrastructure.
- Rest of company: support with field use.

External

- Home area network partners – defining, implementing and testing interfaces.

Knowledge, Skills and Experience

Required:

- Degree qualified (or equivalent) in an appropriate engineering discipline (e.g. software engineering, IT or telecommunications).
- Strong experience of database design & implementation (e.g. SQL).
- Experience of web application development.
- Experience of data reduction for communication from many points over a public network.
- Good interpersonal and time management skills.

- Able to author and maintain technical specification documents to quality standards.

Desirable:

- Experience of ODS databases.
- Experience of specifying and/or implementing embedded software systems or sub-systems.
- Experience of defining and implementing communications protocols.
- Experience of implementing low cost RF solutions (e.g. Zigbee).
- Experience with Controller Area Network (CAN).
- Experience with diagnostics protocols (e.g. KWP2000, CCP, Smart Appliances).
- Project management skills.

Role is ideally suited to someone who has experience of middleware development and system integration in a telecoms/set top box environment, but is also suitable for someone who comes from a strong database (SQL) and web-application development background.

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