

Job Title	Head of Systems Engineering
Location	Bathgate, Scotland
Reports to	VP Solutions Engineering

Job Purpose

You will drive the design of complex energy storage systems, defining Invinity's standard battery systems solutions using our proven vanadium redox battery technology. You will ensure our portfolio of system solutions respond to the market demand for large scale battery storage. You will provide technical leadership to a team of Mechanical, Electrical and Software engineers, all working at system level, dealing with all aspects for megawatt-scale energy storage system deployment on customer sites.

Responsibilities

- Provide technical leadership to the Systems Engineering team
 - Direct, support and guide our Engineers on a day-to-day basis ensuring they have clarity and successfully achieve the duties and responsibilities within their job scope
 - Weigh up multiple requests from across the business, rationalise requests, and prioritise providing justification and obtaining buy-in
 - Create workforce plans and ensure efficient, timely execution of the engineering plans
 - Design training and development plans and coach our Engineers playing to their strengths ensuring growth
 - Collaborate positively and effectively with R&D, Product Development, Operations, and Commercial teams across the business
- Lead the system definition, detailing generic system solutions design specifications, selecting critical equipment such as inverters and transformers
- Support the Invinity Systems Project teams in implementing the generic system detailed design to customer projects, including site layout, foundation requirements, power distribution systems, control and monitoring network, safety system
- Collaborate with Systems Architecture and Commercial teams to support the design of new projects during the tender phase
- Review and input to the approvals of Systems Architecture basis of design prior to sign-off from the VP Solutions Engineering and release
- Adopt and maintain an overriding culture of safety, pursue pro-active safety initiatives and work with the project, manufacturing and software teams to implement
- Ensure that documentation is a critical deliverable for all actions with all designs and specifications peer reviewed. Oversee the sharing and storing of documentation through use of a PDM system
- Key player helping drive implementation of ISO 9001
- Champion and facilitate improvement initiatives to reduce the cost of our next generation products, including supporting the cross functional teams involved
- Provide Technical Support to all other Departments as required including our field installation and maintenance teams and assist R&D teams and Commercial teams as necessary
- The role may require occasional travel (UK or International)
- Perform other duties and responsibilities as required

Qualifications and Experience

- High calibre Systems Engineer with proven project management expertise, you will have 15 years of hands-on engineering experience designing, manufacturing, testing and delivering large electro-mechanical systems in a relevant industry, together with previous experience in a cross-functional project management role
- A background in the development and integration of complex power plant solutions from within renewables, Wind, Solar, Battery Storage, EV Charging, power distribution networks, or similar
- An undergraduate college or university degree in an Engineering discipline is required
- General understanding of energy systems, power generation, transformers, solar PV generation, battery energy storage, hydrogen energy applications
- Openness to embrace multiple perspectives and provide constructive challenge. Strong, positive influencing skills, using enquiry to identify various external and internal customer requirements informing design decisions, work planning and prioritising across the teams
- Comfortable identifying problems, root causes, risks and opportunities. Logical mind set, analytic, rational, and decisive decision maker. Ability to justify decisions and an assertive and persuasive communicator
- Strong organisational and planning skills, together with a sound understanding of the value strict processes bring are essential
- Customer and delivery focused; ability to work under pressure and to tight deadlines; action-oriented, entrepreneurial, and innovative approach to technical management
- Right to work in UK

Desirable

- Good understanding of control systems, PLC or industrial PC based.
- Knowledge of CE certification for energy generation and storage machines