

Job Description

Job Title	Senior Power Systems Engineer
Department	Process & Electrical Engineering
Reports to	Principal Engineer - Process & Electrical
Responsible for	Peer & Junior team members

Job Purpose

The Senior Power Systems Engineer is an operational role with responsibility for the design, development installation, and maintenance of Bennamann's on-farm power products and facilities, focussing on the integration of biogas-fuelled power generation, CHP systems and energy storage with existing farm infrastructure.

Duties and responsibilities

Leadership:

- Responsible for technical leadership and delivery of power system architecture, electrical design, and installation oversight relating to biogas generator and CHP system integration with customer farm facilities, including single phase and three phase power delivery and energy storage solutions
- Manage the process of certification and compliance to allow Bennamann Ltd to provide biogas fuelled power generation and undertake electrical installation and inspection

Operational:

- Research and develop suitable off the shelf products to enable scalable grid-tied generation and export of power from biogas generation.
- Define technical specifications for potential suppliers and work alongside manufacturers/integrators to produce a refined product portfolio for a range of farm sizes.
- Lead the commercial testing and validation of the above products.
- Collate/create technical documentation to accompany customer solutions.
- Manage electrical installations of power system products on customer sites.
- Assist with the definition of installation and commissioning costs and skills requirements.
- Liaise with suppliers and 3rd parties to ensure equipment and assemblies meet the necessary design and legal requirements
- Follow procedures to ensure compliance with company ISO standards, aligning with responsibility and accountability for actions as documented within HR-101a MyC RACI

Peer group / cross team liaison

- Maintain a good working relationship with colleagues and peers, reflecting Bennamann values
- Input to H+S management to ensure compliance with regards to electrical risk.
- Input to Product design discussions and reviews as Electrical specialist.
- Work with the product owner to align product specifications with customer needs

Reporting and communication

- Effectively communicate the status of work packages to line manager

Team

- Proactive member of motivated and engaging team
- Working between Sales, Deployment group, and product development to ensure site specific challenges are highlighted and addressed project by project. Formally sitting within product development
- Participate actively in team meetings and proactive in own review and development
- Supportive member of team, role modelling Bennamann values in both internal and external relationships
- Conscientious and caring manager, adhering to all people processes including induction, probation and performance reviews

H&S

- Responsible for own H&S (and that of your direct reports), adhering to company guidelines be this in an office / workshop setting, on site, in a vehicle and / or any other reasonable context
- Ensuring H&S is maintained through all department activities
- Provide electrical expertise on risk assessment exercises relating to work environment and/or tasks.
- Generate Risk assessment for own work and review those generated by peers as subject matter expert.
- Ensure that installations meet all necessary regulatory compliance requirements
- Highlight any H&S risks you identify to management
- Ensure you have any and all reasonable PPE and highlight any deficiencies to management who will address as required

Person Specification

ATTRIBUTES	ESSENTIAL (must have these skills or experience)	DESIRABLE (prepared to train or develop in these areas)
<p>Relevant Experience Work and non-related work experience relevant to the job and organisation</p>	<p>Technical/Operational</p> <p>Experienced in grid-tied generator system integration with existing infrastructure. Experienced in design, manufacture, installation, and maintenance of Electrical Systems Experienced in energy storage integration with existing infrastructure</p>	<p>Experienced in gas powered generator and CHP system integration with existing infrastructure.</p> <p>Knowledge of generator and CHP products/manufacturers and their suitability to customer site requirements</p>
<p>Education/ Training Specific qualifications and or training</p>	<p>City & Guilds Requirements 2391 Level 3 Periodic Inspection, testing and verification of electrical installations. City & Guilds Level 3 BS7671:2018 IET wiring regulations for electrical installations. City & Guilds NVQ Level 3 Electrical installation</p>	<p>Joint industry Board Gold card holder, 'Technician' grade, registered electrician CITB SMSTS Site Management Safety Training Scheme. City & Guilds 2396 Level 4 Technical Design, erection, and verification of electrical installations. CompEx Qualifications</p>
<p>Qualities, knowledge & skills Personal skills, qualities, behaviour, most of these will be essential as many of these cannot be trained</p>	<p>An empathy and affinity with the Bennamann company values:</p> <ul style="list-style-type: none"> • Safety • Curiosity • Integrity • Passion • Respect <p>and traits: Humility, Empathy, Creativity, Innovation, Open Minds, Transparency</p> <p>In addition:</p> <ul style="list-style-type: none"> - Follows procedures to ensure compliance with company ISO standards - Adheres to process and policy, including PPE and uniform - Presentable, with the ability to be a positive representative for Bennamann in relationships with customers and suppliers, 	

	<p>ranging from farmers to councillors and scientists</p> <ul style="list-style-type: none"> - Excellent and proven organisation, planning and communication skills 	
<p>Additional factors Working conditions/hours, ability to drive, any special working conditions (eg gas handling)</p>	Valid UK full drivers license	

Further details:

<p>Justification for role: please provide a brief business case for the role (linked to projects/funding/resource requirements)</p>
<p>On farm power is an essential part of the Bennamann business model. We have attempted to cover the demands of the role with existing personnel and have demonstrated a gap in the technical skills required and the resource availability</p>
<p>Base location: (office/farm/home/hybrid - add comments if relevant):</p>
<p>Farm/Office - Based at Chynoweth offices, required to travel frequently to undertake farm surveys or verify/test installation works.</p>
<p>Salary Range:</p>

For office use only:

<p>Approved by:</p>	<p><i>Signature of the person with the authority to approve the job description</i></p>
<p>Date approved:</p>	<p><i>Date upon which the job description was approved</i></p>
<p>Reviewed:</p>	<p><i>Date when the job description was last reviewed</i></p>