

Job Description

Job Title	Mechanical Design Engineer
Department	R&D
Reports to	Principle Engineer - Mechanical
Responsible for	N/A

Job Purpose

This role is part of the R&D and Engineering Department and will work closely with Production and selected Suppliers to design a range of gas capture, treatment and utilisation products.

The role will involve producing detailed models, assemblies and production drawings for new and existing products together with their updates through iterative improvements and validation learnings.

Duties and responsibilities

Engineer responsibilities

- New Product Design/Development.
- Design, assembly and testing of prototypes and scale models.
- Creation and Maintenance of Design/Drawing Documentation (2D & 3D).
- Continuous Design Improvement.
- Change Management (Product Revision).
- Technical Documentation control.
- Maintain/Update Folder Library.
- Liaison with Suppliers / Production Team.
- Create reports to record the design, manufacturing, and test process.

Peer group / cross team liaison

- Maintain a good working relationship with colleagues and peers, reflecting Bennamann values.
- Follow procedures to ensure compliance with company ISO standards.

Reporting and communication

- Report regularly to the Principal Engineer, raising any issues or concerns in a timely manner

- Communicate activities with the team in regular meetings and support activity of the group as a whole.
- Create reports documenting work undertaken and proposals/work plans for future work.

Team

- Proactive member of motivated and engaging team
- Participate actively in team meetings and be proactive in own review and development.
- Supportive member of *team*, role modelling Bennamann values in both internal and external relationships

H&S

- Responsible for own H&S, adhering to company guidelines be this in an office / workshop setting, on site, in a vehicle and / or any other reasonable context
- 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> <ul style="list-style-type: none"> - Expert in SolidWorks creating parts, assemblies, design tables and drawings. - Proficient in AutoCAD creating 2D drawings. - Mechanical design background. - Detail oriented, organized with the ability to handle multiple ongoing projects. - Ability to communicate with sales, engineers, and outside customers. - Familiar with engineering process, revisions, change management etc. 	<p>Technical/Operational</p> <ul style="list-style-type: none"> - Prefer proven experience with advanced SolidWorks and manufacturing. - Experienced in PVC sheet. - Practical skills with hand tools, Electric drills, saws, grinders etc. - Previous experience attending and/or facilitating DFMEA, Risk analysis, or HAZOP studies for systems and products.
<p>Education/ Training Specific qualifications and or training</p>	<ul style="list-style-type: none"> - Engineering related degree or equivalent qualification 	
<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"> - Safe, reliable and dependable - Protecting the environment and with a zero-carbon footprint - Value our customers and our colleagues - Profit with integrity - Innovative, passionate with a can-do attitude <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, ranging from farmers to councillors and scientists 	
<p>Additional factors Working conditions/hours, ability to drive, any special working conditions</p>	<ul style="list-style-type: none"> - Role is office and site based in Cornwall UK, candidate must be able to attend site regularly and must hold full UK driver's license 	<ul style="list-style-type: none"> - Preferably use of own vehicle, may be required to use own vehicle for work travel when company vehicles are not available.