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| **Organisational setup** |
| Location:Department:Reporting line: | Prestonpans, East Lothian (national/international travel may be required)Manufacturing (McMillan Coppersmiths and Fabricators Ltd) Lead Vessel Design Engineer (McMillan) |
| **Job Focus** |
| Turning Distillers visions and aspirations for their whisky or gin characteristics into still shapes and distillation equipment, the Lead Vessel Design Engineer will use their engineering design background, manufacturing knowledge, project management and problem-solving capability to the full. The Senior Vessel Design Engineer at McMillan will be responsible for projects throughout the project life cycle. From carrying on from sales / tendering, bring it into design, procurement, and then release into production and beyond to aftersales, service and support.  |
| **Main tasks & responsibilities** |
| **Responsibility** * Support the delivery of Projects or aspects of Project for the Design of Copper Pot stills, Distillation equipment / columns and Projects within contract scope, with due respect to safety, cost, time, and quality.
* Manage their quality, completeness, consistency, and accuracy of allocated projects deliverables.
* Support the Lead Engineer in managing the day to day activities of the engineering team, as required or requested (e.g. placement engineers, graduates, and design engineers) ensuring the work is effective and efficient.
* Provide technical expertise and guidance, training and mentoring of more junior members of the engineering team (placement engineers, graduates, and design engineers)

**Duties and Responsibilities*** Ensure both McMillan, client and National Health & Safety standards are upheld across all projects. Liaising with the Health, Safety & Quality department.
* Act as a positive role model and provide leadership within the department ensuring professional standards are maintained.
* Design Scantlings - Review of initial information to formulate basic vessel and system outline, design parameters and dimensions/thicknesses.
* Working with the other engineers to reach the best practical solution for timelines, costs, and quality.
* Streamlining of manufacturing operations to reduce lead times in fabrication but also ensuring the correct level of quality can always be maintained.
* Calculations to support vessel and process design
* A sound engineering knowledge of materials, material selection, and associated BS standards
* Metalworking and welding Fabrication knowledge
* Project management including Client contact/ sign-off, Scheduling and Cost Control
* Creation and checking of manufacturing drawings
* Pressure vessel design and preparation of calculation and Notified body packages to recognised codes e.g. PD5500, ASME VIII, EN 13445, etc advantageous.
* Attend and / or chair Manufacturing office team meetings as required.

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| **Desired Knowledge & Experience** |
| **Education:*** Engineering degree, or other relevant experience/qualifications, preferably Chartered Engineer Status (or working towards).
* Language – English (any other language skills could be considered beneficial).
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| **Professional experience:*** Minimum of 4 years’ experience in Manufacturing or Engineering preferably within a vessel design background or in the brewing / distilling industries.
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| **Technical skills:*** MS Office including, Word, Excel, and Project
* Autodesk AutoCAD
* Autodesk Inventor or Solidworks 3D CAD
* Finglow or PVElite advantageous
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| **Required competencies & behaviour** |
| * Open to feedback, a fast learner, willing to learn new ways of working and methodologies and fosters a continuous Improvement mindset.
* Takes ownership for and ensure that you deliver what is promised
* To be open and honest and provide excellent product and services
* Flexibility with our clients’ needs and our unique offerings
* To work safely for our employees, clients and the public
* Highly motivated
* Able to build close relationships internally and externally.
* Excellent oral and written communication skills and meticulous attention to detail
* Excellent communication skills.
* UK and international travel, as requested, to help fulfil your role.
* Any other reasonable duties that are commensurate with your skills, competencies, training, and grade.
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| **Remarks:** |
| * This job description is issued as a guideline to assist you in your duties, it is not exhaustive.
* Due to the evolving nature and changing demands of our business this job description may be subject to change
* You may, on occasions, be required to undertake additional or other duties within the context of this job description, and according to the needs of the Company.
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