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| Employee Name | | | |
| Job Title | Manufacturing Design Engineer | | |
| Reports to | Manufacturing Manager | | |
| Supervising | N/A | | |
| Document Number | ENG-DES-002 | Revision Number | A3 (28.01.2020) |
| Based | Aberdeen Office/ Workshop/ Offshore/ Onsite / Field | | |

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| Job Purpose |
| The design and engineering of piping systems, air conditioning, refrigeration equipment and engineered packages for in-house manufacture within the oil & gas, petrochemical and marine industries. |

Core Responsibilities / Duties

This job profile has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all responsibilities, qualifications and competencies required of employees assigned to the role.

- Initial product conception.
- Project planning, cost control and daily management of allocated in house manufacturing projects.
- Detailed design including design calculations, refrigeration system design and fabrication design and specification of components.
- Creation, checking and approval of documentation, drawings, data sheets, work packs and user manuals etc.
- Selection of equipment and checking compliance with relevant specifications and requirements.
- Compiling Material Take Off spreadsheets for procurement of materials and components.
- Liaising with clients both during and post project.
- Providing engineering support for the Manufacturing Manager.
- Responsible for ensuring products are designed and manufactured in compliance with all relevant legislation, standards, directives, regulations and company processes.

HSEQ Responsibilities

- By adhering to Nucore Group's HSEQ policies and procedures, ensure safe working practices are followed at all times.
- Report any unsafe conditions, behaviours or acts to management, or by using the Nucore Group observation card system.
- On request, actively participate in HSEQ audits and inspections.
- Complete mandatory HSEQ training as identified on the Nucore Group training matrix.
- Continually practice good housekeeping standards.
- Ensure all waste handled is disposed of in a suitable manner.

- Where required, adhere to the controls described in risk assessments, safe systems of work and COSHH assessments, and highlight any shortcomings in the existing controls.

Qualifications and Training

Essential

- HNC/HND in Mechanical/Electrical Engineering or other HVAC relevant engineering discipline.

Desirable

- Degree in Product Design or Engineering (HVAC discipline).
- ATEX Directives and equipment training.

Experience

Essential

- Demonstrable previous experience of mechanical or electrical product design.
- Demonstrable previous experience in manufacturing capacity.
- Demonstrable experience in design, drawings and calculations.

Desirable

- Experience in oil, gas and renewables industry.

Knowledge and Skills

Essential

- Strong communication skills (written and oral) with ability to communicate to different stakeholders across the business.
- Demonstrable accuracy skills with an ability to pay attention to detail.
- Comprehensive knowledge of Mechanical and/or HVAC engineering environment.
- Computer literate in all Microsoft packages.
- High degree of organisation and coordination skills, with ability to prioritise workload accordingly.
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Desirable

- Knowledge and understanding of refrigeration design.

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| Signed by Employee | | Signed by Line Manager | |
| Date | | Date | |