



JOB DESCRIPTION

Job Title	Graduate Engineer
Location	Hydro House, Aberdeen
Functional/Discipline Area	Engineering
Line Manager	Engineering Manager
Works directly with	Mechanical Design Engineers Electrical Design Engineers Draughters Product Realization Team Members

Objectives / Scope
<p>The key objectives for the successful candidate:</p> <ul style="list-style-type: none"> • Design and Modelling: Utilize Autodesk Inventor to create detailed 3D models and engineering drawings for mechanical components and systems. • Prototyping and Testing: Collaborate with cross-functional teams to develop prototypes and conduct thorough testing to validate and refine designs. • Product Lifecycle Management: Manage the entire product lifecycle, from concept and design to manufacturing and post-production support. • Collaboration: Work closely with other engineers, designers, and stakeholders to ensure seamless integration of mechanical components within larger systems. • Innovation: Stay abreast of industry trends and emerging technologies, contributing to the continuous improvement and innovation of our products. • Project Management: Take ownership of projects in collaboration with the wider business to track progress and development.

Main Responsibilities
<ul style="list-style-type: none"> • Development and continual management of the Engineering process to ensure business and client requirements are met and understood: <ul style="list-style-type: none"> ○ Gather engineering and technical advice to all internal departments. ○ Contact and liaise with external companies for information on materials and technical data. ○ Review, monitor and improve the technical standards required of the Engineering department for procedures and practices adhering to quality standards, safety procedures, documentation protocols and performance metrics. ○ Perform checks on work for technical accuracy. ○ Identify and conduct risk assessments to potential challenges and develop mitigation strategies. ○ Establish project goals and timelines. • Interface with the wider business to provide engineering solutions and advice: <ul style="list-style-type: none"> ○ Produce clear and concise drawings and manufacturing information for build purposes and proposal drawings. ○ Produce documentation to support design verification, validation, and safety



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<p>requirements.</p> <ul style="list-style-type: none">○ Liaise with customers to advise and provide design solutions for their applications.○ Ensure products have the support of upper management.○ Participate in operations reviews, planning and strategy sessions with leadership and corporate teams. <ul style="list-style-type: none">● Health, safety and environmental:<ul style="list-style-type: none">○ Report all accidents, incidents, near misses or unsafe situations to immediate line manager or member of the senior management team.○ Work to the required procedures and processes to meet the company target of zero LTI's. This includes all on-site visitors, clients, and staff.○ Comply with any environmental responsibilities as identified by the Group.

Skills base
Qualifications: <ul style="list-style-type: none">○ A minimum 2:1 classification BEng or MEng in Mechanical or a related field.○ Proficiency in Autodesk Inventor/SolidWorks for 3D modelling and design.○ Strong understanding of electro-mechanical engineering principles and materials.○ Excellent problem-solving skills and attention to detail.○ Effective communication and teamwork skills.○ Ability to work independently and manage multiple tasks simultaneously.○ Eagerness to learn and adapt to new challenges in a fast-paced environment.
Preferred Skills: <ul style="list-style-type: none">○ Experience with Finite Element Analysis (FEA).○ Familiarity with design for manufacturing (DFM) principles.○ Knowledge of industry standards and regulations.○ Previous internship or project experience related to mechanical design.