Job Title	Mechanical Design Engineer, High-Pressure Emergency Quick Disconnect Systems
Location	This is an office based role, with some flexibility for home work.
Office Address	Unit 33 Pioneer Business Centre, Ellesmere Port, Cheshire, CH65 1AE
Salary	Competitive and dependent upon experience and qualifications
Employment Type	Full-Time, though part-time would be considered for the right candidate
About Us	Flint Subsea is a UK-based engineering company, specialising in the design, manufacture, and rental of high-pressure Emergency Quick Disconnect (EQD) systems. These systems are critical safety components used in subsea and topside operations, enabling rapid disconnection of hoses in emergency scenarios such as vessel drift or drive-off. Our flagship product, the Mid-Line Weak Link EQD, is DNV Type Approved and engineered for full-bore, pressure-balanced performance at depths up to 3000 metres and pressures up to 15,000 psi. Founded in 2013, we are an ISO 9001 certified business and have delivered EQD systems to over 120 projects globally. Our solutions are widely used in pipeline commissioning, decommissioning, and subsea intervention.
Job Description	Due to continued and sustained growth of the business and a pipeline of new, exciting developments, we are seeking a hands-on and detail-oriented Mechanical Design Engineer to join our team, focusing on the development of new Emergency quick disconnect (EQD) systems and other exciting new tools. This role is ideal for someone who thrives in a small team and is comfortable working with autonomy and flexibility. There maybe a requirement to support the workshop team assembling, testing and validating new designs. While the role is primarily office-based, there is also the likelihood of international travel to meet and support customers. This may include on-site technical discussions, product demonstrations, or hands-on assistance during installation and commissioning phases.
Key Responsibilities	- Design and develop innovative EQD systems from concept through to production. - Create detailed 3D models using Autodesk Inventor, drawings, and specifications using CAD software. - Produce supporting calculations to accompany designs. - Collaborate with cross-functional teams including suppliers, workshop team and customers. - Assemble prototypes and production units using workshop tools to validate design intent and functionality. - Conduct design reviews and implement feedback to improve product performance and manufacturability. - Support root cause analysis and resolution of design-related issues.

	- Maintain accurate documentation and adhere to design control processes. - Support internal ISO 9001 processes.
Qualifications / key attributes	- Time-served apprenticeship in Mechanical Engineering or a related discipline or a mechanical engineering degree or equivalent. - Strong understanding of mechanical principles and engineering practices. - Proficiency in CAD software and other engineering tools. - Excellent problem-solving skills and attention to detail. - Ability to work independently and as part of a team. - Strong communication and interpersonal skills.
Work Environment	- Office-based work for design and planning activities. - Workshop-based work for hands-on tasks and equipment testing. - Occasional travel to project sites as required.
Benefits	- Competitive salary and benefits package. - Opportunities for professional development and career advancement. - Supportive and collaborative work environment.
How to Apply	Interested candidates are invited to submit their CV and a cover letter outlining their qualifications and experience to info@flintsubsea.com Please contact us if you have any questions.

The candidate must be resident in the UK. We are unable to support or sponsor foreign visa applications.