

Mechanical Engineer

Overview

Vision4ce is a supplier of video and image processing solutions to the Electro-Optic systems market across the world. We specialise in delivering real-time video capture, processing and display systems for use in harsh environments such as security and defence. Vision4ce has a unique video tracking technology which has wide ranging application in land, sea and air systems.

Vision4ce is a small, dynamic company which is part of the Chess Dynamics group of companies. Chess Dynamics is a leading supplier of Electro Optic solutions to a global market within the defence and security sectors. Vision4ce operates a flat management structure which is engineering led. The engineering department consists of a multi-functional group of highly motivated engineers who have a wealth of experience in image processing and hardware & software development. Projects are focussed on providing practical solutions to real world challenges. If you're smart, a team player and the type of person who likes to see their efforts result in products with a day to day use then Vision4ce is the place for you.

We are currently recruiting for an exceptional Mechanical Engineer to be part of the hardware team.

Responsibilities

- Create designs in 3D CAD using SolidWorks software.
- Perform classical engineering analysis on designs, stress, fatigue & vibration analysis using conventional analysis and computer simulation
- Perform thermal analysis to ensure adequate cooling of internal electronic components
- Produce detailed engineering and assembly drawings for manufacturing,
- Perform lab testing for verification and conformance to design requirements
- Apply creative thinking, analysis and good judgement to propose innovative solutions to technical problems
- Develop engineering reports to support new product designs, failure investigation and any other formal documentation to support customer requirements.
- Be willing to support occasional travel in UK and abroad on client business

Experience & Qualifications

- Degree in relevant engineering discipline
- The successful candidate must have a flair for new concept designs and a passion for mechanical engineering
- Experience in the design of electronics enclosures for use in harsh environments - preferably in the defence industry is beneficial
- Proven experience in the design of systems from original concept design, produced from a specification, through to production.
- An understanding of the application of machining, casting, fabrication and moulding techniques
- Experience in the use of SolidWorks CAD systems.
- Ability to liaise with customers verbally and in writing in an effective manner, producing reports and participating in formal design reviews
- Self-motivated, with the drive and initiative to carry out projects according to plan
- Able to adapt quickly in a fast-changing environment

What we offer

- Training + Progression + Benefits
- A chance to learn from experienced professionals
- A small company environment where you can make a difference

Location: Wokingham