

XPI Simulation is a world-leading provider of driver training simulation solutions, serving clients ranging from police forces and charities to Formula 1 motorsport teams. With many years' experience at the forefront of developing real-time 3D graphics technology, the XPI team have built a reputation for delivering high quality simulation and training. The business also invests heavily in research, and as part of that commitment is developing next generation rapid 3D modelling and visual solutions.

As a Mechanical Production Design Engineer at our Chessington office, you will build a range of simulator systems - from simple, single PC training devices right up to multi-PC, motion-based systems. This is a varied and very hands-on role, involving mechanical design and system specifications. Join us and you will be part of team that is developing the latest synthetic simulators for military, commercial and Formula 1 customers.

Key responsibilities

- Leading the installation of systems on various sites around the UK and abroad
- Visiting customer sites to perform maintenance
- Working as part of a supportive and innovative team to design and manufacture components for the systems
- Diagnosing and repairing faulty systems, both in-house and on-site
- Providing constructive feedback and guidance to ensure we achieve the best possible solution whilst fostering an open and encouraging team environment.

Skills, qualifications and experience

- A good understanding of both mechanical and electrical systems, and the ability to produce effective mechanical designs
- Design experience using mechanical CAD software and the ability to read electrical wiring diagrams
- Experience of building prototypes and small production runs using hand tools and simple power tools
- Strong organisational skills supported by well-rounded communication and relationship building abilities
- Advanced computing skills, ideally including understanding of programming in C or C++ would be an advantage
- Experience with soldering, preferably covering the assembly of printed circuit board (PCBs) and knowledge of 17th edition wiring regulations would be an advantage
- An understanding of vehicle mechanics and systems, including a practical experience of car repair would be particularly useful.

How to apply

To be considered for this role, please email your application to hr@xpisimulation.com or post your CV with covering letter to:

XPI Simulation
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