

JOB SPECIFICATION

Position: Design Engineer – Remote Handling Equipment

Background

Oxford Technologies Ltd is a recognised world leader in the area of remote handling for hostile environments. The company is undergoing strong growth and seeks to enhance its core team with the appointment of an experienced mechanical design engineer.

The company delivers services and bespoke products to clients engaged in the application of remote handling to hostile environments, in particular in Nuclear Fusion, Nuclear Plant Decommissioning and High Energy Physics experiments.

The company is staffed by experienced and highly qualified professional engineers and has a reputation for delivery of results at the highest level of integrity and quality.

Duties and Responsibilities:

The appointee will work on the conceptualisation, design and development of remote handling systems for use on a range of Nuclear Fusion, Nuclear Decommissioning, high energy physics and space related projects.

Oxford Technologies' remote handling projects address a wide range of design challenges varying in physical size from small hand tools up to 10tonne capacity manipulators and operating in hostile environments of radiation, temperature and vacuum.

The Design Engineer will work in a small team and be expected to provide the following functions:-

- Creation of handling concepts for items requiring precision remote disassembly and assembly.
- Development of special purpose remote handling equipment designs from system specification to concept and detail designs.
- Presentation of designs to clients.
- Participation and guidance of mechanical workshop activities
- Specification, selection and supervision of manufacturing sub-contracts

Qualifications and Experience:

The following are minimum requirements for the role:-

- Recognised qualification in engineering at least 2.1(Hons) degree level or equivalent.

- Minimum of 3 years experience in an engineering environment after graduation.
- Ability to design and validate mechanisms and structures at conceptual and detail stages.
- Ability to define and select suitable bought out components.
- Ability to produce technical reports and make effective technical presentations.
- Ability to instruct and supervise design draughtsmen.
- Ability to co-operate and work as a part of a small team.
- An excellent working knowledge of English.

Any of the following will be of benefit:-

- Experience in machine shop manufacturing techniques and processes.
- Working knowledge of methods and best practise for remote handling in the nuclear sector.
- An aptitude for ingenuity in solving engineering problems.
- An understanding of allied technologies such as control-systems and electro-mechanical.
- Ability to present and justify design decisions at design reviews.
- An interest in automation and robotics.
- Experience in FEA modelling
- Experience of 3D modelling packages, ideally CATIA V5.

Salary and Benefits

The position will be filled at Engineer or Senior Engineer career grade depending on qualifications and experience with a starting salary in the range £32,123 to £51,172 (review in April 2012).

Additional benefits include, 33 days annual leave, 5% employer's contribution to Stakeholder Pension scheme, company share ownership scheme, annual private medical, and professional institution fees paid.

Start Date:

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