



JOB TITLE : Mechanical Design Engineer

DEPARTMENT : Design Office

REPORTS TO : Technical Manager

Job Purpose:

To develop Products that compliments the IDL portfolio as part of Design & Development team using project management skills, mechanical engineering competencies and 3D CAD using Autodesk Inventor skills.

Job Description

The job holder will be primarily located at the company's premises in Feltham, Middlesex, England. Reporting to the Technical Manager the main duties (primary tasks) for the job holder are outlined below;

- a) Develop IDL products as part of a multidiscipline team, in accordance with Customer Requirements and IDL Quality Procedures using your core competency of Mechanical Engineering.
- b) Provide design detail using Autodesk Inventor and AutoCAD, mechanical design calculations, specifications and design review.
- c) Provide design verification and validation and support product approvals.
- d) Provide support to Sales, Production and IDL customers as required.
- e) Provide project file documentation, including requirement specifications, BOM, costings and project plan, in accordance with the company's quality procedures and processes.
- f) To liaise with the Quality, Production, and Engineering departments to resolve product/process issues.
- g) To identify continuous improvement activities for consideration by senior management.
- h) To effectively project manage and monitor various improvement or R&D projects/custom orders for delivery within agreed timescale and budget.
- i) Assist with the development and maintenance of the company's quality system.
- j) To assist in the day to day maintenance of engineering drawings, change notes, and drawing system.



Accountabilities:

- a) Mechanical Design of IDL Products
- b) Design Output

Essential Skills and Qualifications:

- a) Educated to Degree level in the discipline of Mechanical Engineering
- b) Relevant experience as a mechanical design engineer
- c) Relevant project management experience
- d) Prototyping skills using a Mechanical Workshop with drilling and basic fabrication facilities
- e) Advance level of Autodesk Inventor, Autodesk Vault and AutoCAD
- f) Authorised to work in the United Kingdom

Desired Attributes:

- a) Attention to detail and quality
- b) Comfortable with clients/supplier liaison
- c) Adaptable and willingness to learn
- d) Team worker and able to work on own initiative
- e) Excellent communication, organisational and interpersonal skills
- f) Computer literacy with knowledge of Microsoft Windows operating system and the following applications, Word, Excel, Outlook, Access.

NOTE: This job description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the on-going needs of the organisation.