

### Mechanical Design Draughtsperson

An enthusiastic and capable Mechanical Design Draughtsperson is required for this opportunity to work as part of a dynamic and expanding company in order to develop downhole tools for use in the Oil & Gas industry.

This role would suit an experienced Design Draughter and will involve the design and development of new and existing surface and downhole tools. The successful applicant will work primarily within the Mechanical arm of the R&D department to expand and enhance the range of services that Metrol provides. The role offers the opportunity to work on leading edge technology in the well test and production areas of the Oil & Gas industry.

Metrol's products are already used throughout the world by major oil companies during exploration and production. The services provided by our products allow significant improvements to be made in the efficiency and safety of various stages of oil and gas production. The company's commitment to research and development has ensured that Metrol stays at the forefront of downhole tools and communications. The successful introduction of a range of new products has resulted in company growth which provides an opportunity for skilled design draughters.

#### Principal Duties:

- Design of mechanical components and systems;
- Stress analysis calculations;
- Generate CAD models and drawings (layouts, assemblies, detail, client etc);
- Generate engineering documentation (procedures, reports etc.);
- Check engineering documents;
- Perform test build & prototype testing of new equipment;
- Advise on ordering of equipment for new tools and development work;
- Participate in design reviews;
- Support internal and external customers on technical queries;
- Maintain design files & related documentation;
- Support operations by working at client sites (onshore and offshore).

#### The role requires:

- HNC or HND qualification in Mechanical Engineering or similar and 2-4 years of downhole tool design and development experience;
- Good verbal and written communication skills;
- CAD & PDM application skills (Ideally Autodesk Inventor & Vault);
- Stress analysis calculation skills;
- Use of MS Office applications;
- Experience of mechanical components & mechanisms;
- Experience with downhole tools in the oil and gas sector.

#### The following would be advantageous:

- MathCAD;
- Project coordination.

#### Location

Kirkhill Estate, Dyce, Aberdeen

#### Salary:

Negotiable

Support for continuing career development may be available.

Apply by email **only** with your full CV to [Vacancies-Technical@metrol.co.uk](mailto:Vacancies-Technical@metrol.co.uk)