

Mechanical Engineer

Founded in 1987, Metrol are global leaders in the innovation, development and operation of wireless down-hole systems.

Our main office is located in the Kirkhill Industrial Estate in Dyce, but operations are global, and we have offices in Dubai, the United States and other worldwide locations.

We deliver excellence in innovation and performance by caring about our relationships – both with our team and our clients.

With a family business culture, we aim to create and provide a working environment that promotes from within, encourages training and development and allows and trusts individuals to maintain a work-life balance.

Benefits:

The role comes with a competitive salary and benefits package including:

- Culture that promotes teamwork and empowering individuals to make a difference
- Challenging, but rewarding role with on-the job training, working as part of an expert team
- Additional holidays for long service
- Hybrid/Flexible working opportunities
- Company Pension contributions
- Private Healthcare and Life Insurance
- Cycle to work scheme

The Role:

We are actively recruiting an enthusiastic and experienced Mechanical Engineer to join our team.

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 and innovative engineers.

This role would suit an experienced Mechanical Engineer 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.

Main Duties:

The Mechanical Engineer will be required to:

- Design of mechanical components and systems
- Complete 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) as and when required

Required Skills & Experience:

Our Mechanical Engineer will require the following knowledge and/or experience:

- Degree qualification in Mechanical Engineering or relevant Science & 4-6 years' experience in the design and development of downhole tools
- Good verbal and written communication skills
- Strong analytical and problem-solving skills
- CAD & PDM application skills (Ideally Autodesk Inventor & Vault)
- Use of MS Office applications
- Experience with mechanical components
- Experience with downhole tools in the oil and gas sector
- Stress analysis calculation skills
- Materials knowledge – metals and elastomers

Desired Skills & Experience:

It would be an advantage to have the following knowledge and/or experience:

- Experience with MathCAD
- Project Engineering skills
- Knowledge of national and international standards related to Oilfield equipment.

Location:

Our Main Office is in the Kirkhill Industrial estate in Dyce, Aberdeen. This role may require Occasional periods of travel to locations worldwide.

Apply by email with your full CV to Vacancies-Technical@metrol.co.uk