

### **Job description - Mechanical Engineer**

Cruden is looking for a Mechanical Engineer to join our team. Within this role you are responsible for designing mechanical solutions. You are part of a project team and central to the mechanical design process, from concept to assembly. Design projects can vary from integrating simulator components in a standard tub to the complete development of a new 6-DOF simulator including access and safety systems and projection.

Cruden is looking for a real team player; as a Mechanical Engineer you are an important part of a project team. You work together with the project manager, project engineers, software engineers and workshop technicians, but you also have direct contact with the customer in order to coordinate the design requirements and wishes.

#### **Responsibilities & duties:**

- Design of mechanical constructions and systems for Cruden high-performance simulators
- Matching design requirements and wishes with the customer, but also within the project team
- Creating technical drawings and parts lists for production, quality control and assembly
- Reporting / documenting for design reviews and progress presentations
- Collaborating in a project team, where you bear the responsibility for the mechanical design
- Production support, quality control and contact with production parties.

#### **Required education and experience:**

- Have at least completed a HTS study in the field of mechanical engineering or similar
- Relevant work experience as a Mechanical Engineer is an advantage
- A good command of the Dutch and English language in word and writing is essential
- You should have experience with CAD (SolidWorks is an advantage)
- Constructing with sheet metal, tube and weld constructions
- Making production drawings
- FEM experience is also an advantage

#### **Candidate characteristics:**

- An inventory of design requirements and wishes, and be able to translate this into a good design
- To be able to deliver quality and organize the work in such a way that it is completed within the set deadline
- Design in such a way that it is easy to produce and assemble
- Be able to communicate clearly about the progress and any problems
- Be accurate and structured, but at the same time resourceful and flexible