

Mechanical Engineer

TREALITY: leading manufacturer of high-end visual solutions

TREALITY is a global player and has excelled for 25 years in the development and implementation of **visual solutions for high-tech simulators**. Our systems are mainly used during the training of helicopter and fast jet pilots. In addition, our solutions are often used for other applications such as air traffic control and ship bridge simulators.

At TREALITY, you contribute to a unique mission: our products ensure the **training of future pilots and individuals with extreme responsibility over the safety of others**. Our products guarantee that their training is taken to the highest attainable and most realistic level.

TREALITY operates **internationally** and offers solutions to customers all over the world. Our site in Belgium is located in Kuurne (Kortrijk region) and we work in tandem with our headquarters in Xenia, OH, USA.

We are currently looking for a **Mechanical Engineer** for our site in Kuurne.

Function

TREALITY's systems, visual displays mainly used for pilot training, consist of mechanical, electronic and optical components such as mechanical structures, projectors, optical filters, cameras, software etc. As a Mechanical Engineer you will be responsible for **the complete mechanical design** and its follow-up. Below is some of the challenging duties of this role:

- You are responsible for the complete, **mechanical design in our 3D drawing program**. In doing so, you make the right calculations for the amount of steel, aluminum... needed for the mechanical structures to function properly;
- You work at **macro and micro level**: you are responsible for the large structures, but you also design the smallest parts of the mechanical structures and are in contact with different, local suppliers;
- You work tailored to each **individual project**: you take into account the project specifications, the planned budget and guidelines of the different stakeholders (customer, supplier, own guidelines), and apply them consistently;
- You elaborate detailed, **technical manuals** for the installers so that they know perfectly how to assemble the various structures onsite. You closely monitor the progress of the assembly;
- You ensure that all **mechanical and legal documents** for the customer are delivered within the deadline;
- As a troubleshooter, you proactively foresee possible **practical problems** and give advice where things go wrong;
- You do not build the structures yourself, but it is certainly possible to also **contribute in the technical, practical building** of the structures you have designed.

You are in very close contact with the Project Manager, Software Engineer and Installation Engineers to successfully deliver a complete end product to the customer.

Profile

TREALITY is looking for an experienced Mechanical Engineer who wants to be part of a select group of specialists in the unique world of visual simulation. We expect the following skills:

- You have a minimum of a **bachelor degree in a relevant technical field** (Electromechanics, Industrial Engineer...);
- Preferably you have about **five years of experience** in a similar position;
- You have a good knowledge of **Creo Parametric or another similar 3D CAD** program;
- You have a **fluent understanding** of how mechanical equipment functions, the combination with optics and electronics does not scare you;
- You are open to **sporadic international travel** (USA, but also other countries around the world);
- You communicate fluently in **English**; knowledge Dutch is an extra asset;
- You are comfortable with the **Microsoft Office** package (Excel, Outlook, Word);
- You value **collegiality** and team spirit very highly;
- You understand the importance of good relationships with customers and **repeat business**;
- You are **critical** and dare to question certain processes.

Offer

At TREALITY, you will join a **young, dynamic and progressive team**. As a pivotal figure, you will have the opportunity to work at an international level in a very interesting niche business, with excellent conditions:

- A strong **base salary**;
- **Flexible working** arrangement: sliding time, extra ADV days...;
- **Cafeteria plan** (bicycle, car,...)
- Meal vouchers;
- Hospitalization insurance;
- Group insurance.

Place of employment

Pieter Verhaeghestraat 44, Kuurne. Since September we stay in a brand new modern building.