



JOB DESCRIPTION

Job Title: Graduate Computer Aided Design Engineer
Department: Higham Ferrers (Northants) Office – Design Department
Reporting to: Higham Ferrers Design Office Manager
Location: Higham Ferrers, Northants, NN10 8DN

Company Information:

DLT Engineering can trace its links to historical companies formed in the 19th century. As such, the Company has a long and distinguished history in the construction of landmark structures around the world, particularly iconic bridges and buildings. DLT Engineering continues that tradition with international involvement in exciting and high profile projects in a range of industries. The Company's principal focus is the design, manufacture and operation of specialist equipment and temporary works for the construction of bridges, buildings, offshore structures, refineries, power stations and industrial plants. We have particular expertise in the erection of long span suspension and cable stayed bridges and in the engineering for specialist modular construction including heavy lifting and skidding operations. Details can be found at www.dlteng.com.

DLT Engineering is a dynamic, technology-driven company which encourages its employees to interact, innovate and develop within a supportive, close knit environment.

Key Objective:

Working within a team of engineers and technicians, carrying out conceptual and detailed design of permanent and temporary structures and specialist construction equipment, particularly related to heavy lifting and moving projects.

Job Role:

We are looking to recruit a Graduate Computer Aided Design Engineer to join our team of engineers and technicians. The role will involve the production of detailed 3D models, drawings, animations, etc. using Inventor software. The role will also include assisting other engineers in the conceptual design, structural analysis, detailed design and detailing of structures and specialist construction equipment. The main duties of the role will include the following:-

- Production of detailed 3D models and drawings using Inventor software.
- Production of animations, etc. using Inventor software.
- Assisting in the conceptual and detailed design of permanent and temporary structures, particularly in steel.
- Assisting in the conceptual and detailed design of specialist construction equipment, particularly related to heavy lifting and moving projects.
- Static and dynamic analyses of structures using structural finite element analysis computer programs STAAD.Pro and LUSAS.
- Preparation of detailed calculations using computer program Excel.
- Preparation of sketches and drawings using computer program AutoCad.

Qualifications and Experience:

Essential:

- A bachelor's degree in an appropriate engineering discipline (civil, structural, mechanical or similar).
- Experience in the use of computer drafting software, preferably AutoCad.
- Some experience in the use of finite element analysis software.
- Good general IT skills (Microsoft Word, Excel, E-mail systems, etc.).
- Good presentation and communications skills.



Staff Recruitment

Preferable:

- Experience in the use of 3D modelling software preferably Inventor. However, this is not essential since full training will be provided.
- Some practical experience.

General:

An excellent employment package with exciting career prospects will be offered to the right candidate.

DLT Engineering is a dynamic, technology-driven Company which encourages its employees to interact, innovate and develop within a supportive and close-knit environment. Full training will be provided. Also, engineering staff are encouraged and supported to become professionally qualified with an appropriate professional engineering institution (ICE, IMechE, or similar).

Note that only candidates with the right to work in the UK will be considered.