

**Staff Recruitment****JOB DESCRIPTION**

**Job Title:** Senior CAD Technician  
**Department/Location:** Darlington Engineering Office, DL1 4WB  
**Reporting to:** Design Office Manager

**Key Objective:**

DLT Engineering can trace its links to historical companies formed in the 19<sup>th</sup> 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 now 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.dormanlongtechnology.com](http://www.dormanlongtechnology.com).

DLT Engineering are a dynamic, technology-driven company who encourage their employees to interact, innovate and develop within a supportive, close knit environment. For graduate engineers who have not attained Chartered status we operate graduate training schemes which are approved by the ICE and by the IMechE

To strengthen the engineering team in our Darlington office in North East England we require an experienced senior CAD technician.

The successful candidate will be part of a team involved in the conceptual and detailed design of construction engineering schemes, specialist equipment and temporary works.

**Main Responsibilities and Duties:**

The successful candidate will work closely with our engineers using Autodesk Inventor and AutoCad software as follows;

- Create preliminary 3-D models for use in sales and marketing, and also develop/produce detailed 3-D master models for secured projects.
- Produce general arrangements, marking plans and detailed manufacturing drawings from master models for the manufacture of components and assembly/erection of structures.
- Produce geometrical set-outs and arrangements for concepts and design development.
- Produce scheme drawings which define construction methods and sequences.
- Produce material schedules for information with respect to pricing and procurement.
- Develop/produce animations to illustrate operational sequences when using our integrated structures (eg erection gantries) and bespoke equipment.
- Check drawings prior to issue and use as required.
- Supervise, mentor and assist junior/trainee CAD technicians as part of their training and skills improvement.

**Qualifications and Experience:****Essential:**

Minimum of 10 years experience in a similar role and ability to demonstrate a sound practical knowledge of the important aspects of steelwork fabrication and corresponding site works. (preferably time served draughtsperson or similar qualification)

Ability to use 3-D modelling CAD software and AutoCad unsupervised.

Knowledge of steelwork detailing for manufacturing and erection/assembly.

Good general IT skills (Microsoft Word, Excel, E-mail systems etc)

**Staff Recruitment**

Good presentation and communications skills

Preferable:

Some experience/knowledge for the design of temporary works, particularly related to heavy lifting and moving projects.