
JOB ADVERT

Computer Aided Design (CAD) Technician

£25,000 to £30,000 (dependent on experience)

Knutsford, Cheshire

If you have a passion for CAD in an engineering discipline, then there has never been a better time to join Stopford.

The Position of CAD Technician

You will be part of a multi-disciplined team responsible for the design of renewable energy projects. Reporting to the CAD Team Leader, you will be responsible for:

- Preparation of CAD drawings in accordance with Stopford Standard Operating Procedures, including:
 - 2D CAD drafting (PID, PFD, GA and layouts).
 - 3D CAD drafting (3D piping, mechanical equipment modelling, 3D point cloud manipulation, fly-throughs and cross-sections, BIM compliant models).
- Preparing pre and post construction drawings.
- Site visits, including 3D laser scanning and general site surveys.
- Document writing (equipment schedules, pipe specifications, project reports).

The Company

Stopford is an international multi-disciplinary consultancy, engineering design and project management services company founded in the UK in 1982. We work with companies around the world in emerging and existing industries, *our ambition is to lead the way in engineering a sustainable world towards a low carbon economy.*

We have ambitious plans for future growth over the next three to five years supporting our key clients in the renewables and green energies sector and commercialising Stopford's green technology portfolio. We have a significant opportunity to expand our operations in the UK and internationally and the role of CAD Technician will support this growth.

Your time will primarily be based at our office at Knutsford.

Employment at Stopford brings many benefits including:

- Competitive salary
- Pension
- 25 days holiday plus bank holidays
- Private medical insurance
- Employee assistance programme
- Reimbursement of Professional membership fees
- Free on-site parking

To be successful in the role of CAD Technician, you will need:

- (Essential) Experience using CAD software (1-2 years)
- (Desirable) Experience using Autodesk software (AutoCAD, Navisworks, etc.)
- A sound knowledge of engineering design principles.
- Good numeracy and computer skills.
- Good communication skills.
- A knowledge of material properties.
- An understanding of manufacturing processes and construction methods.
- Good problem-solving skills.
- Creative flair.
- The ability to work as part of a team.
- The ability to meet deadlines.

Experience in the petrochemicals, chemicals or renewable energy industries is advantageous.

Please go to our website for a full job description to familiarise yourself with all of the responsibilities, skills and experience required before you apply.

We look forward to receiving your CV for the post of CAD Technician.

Please note that we do not accept applications from agencies, and you must be eligible to live and work in the UK.

Closing date: 6 March 2022

Stopford reserves the right to bring forward the closing date if we receive a suitable number of quality applications from which to make a shortlist. Therefore, we would recommend that you apply as soon as possible.

Please note that due to the volume of applications we receive we are unfortunately not able to respond to each applicant. If you have not been called for interview within 3 weeks of the closing date, you should assume that on this occasion your application has been unsuccessful.

Job Description

Position: CAD Technician

Group: Projects

Location: Knutsford

Ambition

Our ambition is to lead the way in engineering a sustainable world through the transition to a low carbon economy.

Values

We value professionalism, equality, fairness, co-operation and unrivalled expertise.

Description

You will be part of a multi-disciplined team responsible for the design of renewable energy projects. Reporting to the CAD Team Leader, you will be responsible for preparation of CAD drawings in accordance with Stopford Standard Operating Procedures.

Key Accountabilities/Responsibilities

As a CAD Technician, you will be responsible for:

- Preparation of CAD drawings in accordance with Stopford Standard Operating Procedures, including:
 - 2D CAD drafting (AutoCAD) – PIDs, PFDs, GAs, Details, Pipe supports, Isometrics, site layouts, hazardous area classification layouts.
 - 3D CAD drafting (Plant 3D/ReCap) – 3D piping, mechanical equipment modelling, simple concrete details, Navisworks 3D model federation, clash detection, modelling from point cloud data, 3D point cloud manipulation, 3D fly-throughs and cross-sections, BIM compliant models.
- Document writing – equipment schedules, pipe specifications, project reports, client documentation review, MIDP/TIDP, document checking in line with QA procedures, cost estimating database.
- Preparing pre and post construction drawings.
- Site visits including 3D laser scanning, general site surveys, total station survey, as-built checking, tie-in identification, meeting with clients, interpreting client requirements.

Onsite construction and commissioning support may be required depending on the project.

Minimum Requirements – Education and Experience

- (Essential) Experience using CAD software (1-2 years)
- (Desirable) Experience using Autodesk software (AutoCAD, Navisworks, etc.)
 - Excellent computer knowledge, including the Microsoft Office suite.
 - Excellent communication ability both verbal and written.
 - Prior knowledge of BIM and associated standards (BS 1192) and relevant codes and standards (ASME, BSi, ISO, etc) is an advantage.

Company Wide Aspects

Adhere to Stopford's Business Management System.

Review

The above is not an exhaustive list of duties and you will be expected to perform different tasks as necessitated by your role within the organisation and the overall business objectives of the organisation.