JOB DESCRIPTION – MECHANICAL DESIGN ENGINEER

Epsilon Pharmaservices Ltd is a specialist engineering consultancy delivering practical engineering solutions to the pharmaceutical, biotechnology and life sciences industries. Our work ranges from design studies and equipment upgrades to complete turnkey projects, supporting clients from concept through to installation and commissioning.

Working within highly regulated manufacturing environments, we combine technical expertise with a hands-on, problem-solving approach to help clients overcome complex process and equipment-related challenges. With a reputation built on quality, flexibility and engineering excellence, Epsilon delivers bespoke solutions that are safe, compliant and tailored to our clients' needs.

Position:	Mechanical Design Engineer
Reporting to:	Technical Director
Location:	Based in Lutterworth. UK and some international travel as required.
Summary:	The Mechanical Design Engineer supports the design and delivery of bespoke process equipment and engineering projects for pharmaceutical and life sciences clients. Working within a small specialist engineering team, the role is involved in all stages of project delivery, including client liaison, site surveys, concept development, detailed design, manufacture, installation and commissioning.

The Opportunity

We are seeking a motivated Mechanical Design Engineer to join our small engineering team and develop into a key member of the business, working alongside and learning from our experienced Senior Mechanical Design Engineers.

The position provides an excellent opportunity for someone looking to progress their engineering career to develop technical, practical and project engineering skills through involvement in a wide variety of multidisciplinary projects. The successful candidate will work alongside experienced engineers, gaining exposure to real-world engineering challenges and progressively taking on increased responsibility as their skills and experience develop.

Working closely with experienced engineers, you will gain exposure to the full lifecycle of engineering projects, from initial client discussions and site surveys through to design, manufacture, installation and commissioning. This role offers a unique opportunity to learn from experienced professionals while developing the technical and practical skills needed to become a highly capable Mechanical Design Engineer.

Key Responsibilities

Engineering & Design

- Assist in the design and development of bespoke mechanical equipment and engineering solutions.
- Produce and modify engineering drawings using AutoCAD and Autodesk Inventor.
- Develop General Arrangement (GA) drawings, fabrication drawings and component drawings.
- Assist with equipment design, modifications and continuous improvement projects.
- Support the preparation of engineering specifications and technical documentation.
- Work closely with electrical, controls and project engineers to deliver integrated engineering solutions.
- Assist with equipment installation, commissioning and testing activities where required.

Site Surveys & Client Liaison

- Liaise directly with clients in a professional and courteous manner.
- Attend client sites to carry out engineering surveys.
- Take accurate site measurements and gather technical information.
- Establish equipment locations and assess potential routes for services, pipework, cabling and structures.
- Assist in developing practical engineering solutions to meet client requirements.
- Participate in client meetings and project discussions.

Documentation & Quality

- Maintain accurate engineering records and drawing revisions.
- Assist with preparation of project documentation and drawing packages.
- Support the production of As-Built documentation upon project completion.
- Assist with component and material specification activities.
- Ensure engineering documentation is completed to company quality standards.
- Support the preparation of operation and maintenance documentation where required.

Health, Safety & Professional Standards

- Comply with company health and safety policies and procedures.
- Support risk assessment activities where appropriate.
- Ensure work is completed in a safe, professional and responsible manner.
- Maintain a strong commitment to quality and continuous improvement.
- Participate in training and professional development activities.

Qualifications, Experience & Skills

Essential

- Qualification in Mechanical Engineering or a related discipline (HNC/HND, Apprenticeship or equivalent).
- Understanding of fundamental mechanical engineering principles.
- Good problem-solving and analytical skills.
- Ability to interpret engineering drawings and technical information.
- Good written and verbal communication skills.
- Strong attention to detail.

- Proficient in Microsoft Office applications.
- Willingness to learn and develop new skills.
- Ability to work effectively both independently and as part of a small team.

Highly Desirable

- Experience using **AutoCAD**.
- Experience using **Autodesk Inventor**.
- Experience producing engineering drawings.
- Practical engineering, manufacturing or workshop experience.
- Understanding of fabrication and machining processes.
- Site survey or installation experience.
- Placement, internship or apprenticeship experience within an engineering environment.
- Knowledge of regulated industries such as pharmaceuticals, biotechnology, food or chemical processing.

Key Competencies

- Mechanical aptitude.
- Problem solving.
- Attention to detail.
- Communication and interpersonal skills.
- Planning and organisation.
- Customer focus.
- Technical curiosity and willingness to learn.
- Ability to manage multiple tasks and priorities.

Personal Attributes

The successful candidate will:

- Be enthusiastic, motivated and keen to learn.
- Have a practical and hands-on approach to engineering.
- Be naturally curious and interested in understanding how things work.
- Demonstrate initiative and take ownership of assigned tasks.
- Have a positive and professional attitude.
- Be comfortable working directly with clients and colleagues.
- Be adaptable and willing to take on new challenges.
- Show a commitment to developing a long-term career within engineering.