

Mechanical Design Manager Job Description

At Astech Projects, we are in the business of designing and supplying automation to laboratory and advanced manufacturing industries across the world for a variety of big name clients. We believe automation is an enabling tool that can empower anyone and we are striving to become a leading global technology provider for problems that can be addressed in this way.

We are seeking to recruit a highly motivated Mechanical Design Manager who will manage a small mechanical design team working on design solutions for technically complex multi-disciplined projects. This position is intrinsic to overall success of the greater business and will contribute to our market leading position in designing complex robotics and automation solutions on a global scale.

The role will require you to take the lead on managing all aspects of mechanical design on projects. You will be responsible for providing day to day leadership of the mechanical design team and overall liaison within larger multidiscipline teams. You will be a technical expert, working closely with our programme managers and Clients to ensure that projects are delivered on time, in the most efficient and cost-effective way. You will be responsible for managing and coordinating the design delivery strategy, taking pro-active control of all design management meetings, protocols and tools used on the project. The role is 'hands on' whereby the manager will be expected to also carry out a direct design function.

Excellent technical, organisational, planning and time management skills are required in order to manage projects simultaneously without compromising on standards and quality. You will have a proactive approach when it comes managing your own workload and that of others in your team.

We are looking for someone who values innovation, quality and reliability and who is not afraid to push the boundaries of technology to ultimately to solve problems and deliver the best technical solution.

Responsibilities

- Providing technical leadership and input from general concept through to final detail design.
- Challenging and reviewing designs to ensure they provide the best technical solution while meeting customer specifications and expectations
- Maintaining up to date, expert knowledge of technical standards and regulations relating to the implementation of machinery and equipment in Europe, the US and ROW.
- Performing, advising and checking design calculations to support design activities.

- Chairing design risk assessments to BS EN ISO 12100-2010 and ensuring designs meet the requirements of any relevant standards in accordance with the Machinery Directive
- Ensuring the Design Team, along with the support of programme managers, adhere to the published Design Schedules whilst maintaining the agreed product attributes.
- Managing the 3D design tools employed by the team and ensuring that the latest technology made available. This technology currently includes augmented reality, Solidworks®, in house 3D printing and PDM Works based repository.

Essential Requirements

- Qualified to Degree level - preferably in Mechanical Engineering, professional status (e.g. C.Eng).
- A minimum of 3 years' experience in technical management of a team of design engineers.
- Several years' experience of using Solidworks, PDM Works and Autocad packages
- Strong track history in the delivery of technically challenging projects for laboratory and/or advanced manufacturing applications.
- Experience of proof of concept/development work including Prototyping, 3D Print techniques and product development lifecycles.
- Exceptional communication skills, strong client facing skills as well as strong management and team leading capabilities.
- Knowledge/familiarity with 6 axis robots, tooling and pneumatic design.
- Able to develop technical solutions to meet project and customer expectations
- Understanding of machinery regulations and the health and safety aspects of machinery design.
- Ability to carry out and review engineering calculations to support designs.
- Ability to work well under pressure to meet deadlines.
- Willing to travel in UK, Europe and USA.
- Working to well documented QA processes
- Commercial appreciation

Desirable Requirements

- Development of technical documentation and specifications
- Experience of generating proposal cost estimates and quotation documents.
- Knowledge of GAMP

Salary negotiable, pension and private medical cover.