

Position: Senior Mechanical Design Engineer

Are you a commercially focussed and experienced engineer who can support creative design projects? If so, we have an exciting opportunity to join i4PD as a Senior Mechanical Design Engineer, where you will design and develop mechanical systems for customer projects across a wide range of industries.

You will be responsible for delivering technical work which meets the high standards expected of i4PD by our blue-chip clients, as well as complying with i4PD's internal Quality Management System (QMS).

In addition to being responsible for your own project work you will also provide technical review and training for more junior members of the mechanical team and input into estimates for new projects.

As an employee-owned business, i4PD has a focus and commitment to nurturing inclusiveness and a desire to succeed as a collective. We boast a diverse team of people with a wide range of personalities who are attracted to the:

- involvement in a variety of exciting technical projects.
- the chance to consistently learn new skills.
- the fast pace and stimulating daily challenges presented.

Success brings rewards, and on top of a great working experience with a diverse range of interesting technical projects, on offer is a competitive package which is complemented by way of a company performance profit share (up to tax free limit).

We recognise the value to our staff of maintaining a strong work/life balance which we foster through flexible and hybrid working arrangements, while also supporting continual training and development. You will undertake a 37.5 hour week of flexible hours Monday to Friday (around core hours of 10am to 3pm).

Requirements & Skills

- Minimum 6 years industry experience (excludes University course time)
- High level of confidence to reliably deliver prototype and production designs that meet or exceed customer specifications
- Ability to identify technical risks in a project
- Able to identify and clearly communicate technical issues, come up with solutions to minimise impact on project timelines.
- Able to use design tools like Solidworks
- Advanced user of MS applications including Excel, PowerPoint and Word
- Excellent written and verbal communication skills

Key Responsibilities

- Research and Discovery
 - Requirements gathering
 - Research (technologies, materials, science, manufacturing expectation)
 - Creation of system (block) diagrams for communication to stakeholders
 - Identification of risk, hazards, environment and (territories)
- Concept Generation and Development
 - Create concept sketches or block CAD either collaboratively within a team or independently.
 - Critique and discuss the concepts of peers and colleagues.
 - Take part in brainstorming and contribute ideas. offer guidance in terms of feasibility.
 - Read and understand a client brief to take the elements of that client brief and turn into a set of viable concepts. Challenge client on brief/requirements.
- CAD Models Assembly, Drawings
 - Create engineering CAD parts and assemblies.
 - Create drawing sets and the bounds and rules set out by our internal guidance.
 - Perform self-checks on work paying attention to design for excellence and readiness for reviews.
 - Review CAD drawings, assemblies and parts of peers.
 - System integration with other teams and disciplines within i4.
 - Be an authority on suitability for manufacture
- Prototyping, Testing and Transfer to Manufacture
 - Create complex POC/Prototypes.
 - Design suitable test plans based on requirements and execute/record test plan.
 - Oversee and supervise prototyping activities within a team
 - Oversee Transfer to manufacture
- Design Documentation and Reporting
 - Maintaining accurate and up-to-date technical documentation
 - Ensuring adherence to QMS processes and identified compliance standards
 - Ensuring quality standard of any design outputs issued to clients or suppliers
 - Produce and present material to both internal and external audiences

Qualifications

- Bachelor's honours degree in Mechanical Engineering or a related field.
- A Master's degree is preferred

Package

This is a superb opportunity to join a forward thinking and successful employee-owned SME business. In return you can expect a highly competitive salary & company workplace pension within a challenging and supportive culture and the opportunity to grow your career.

- Industry competitive salary.
- Enhanced 10-week full Maternity Pay / 4-week full Paternity Pay.
- Full time employees receive 30 days holiday (including public holidays which can be taken at any time).
- Enhanced holiday entitlement (up to 40 days) dependant on years of service.
- Holiday purchase scheme (you can "buy" up to 10 additional days holiday).
- Hybrid working - office based for minimum 3 days/week
- 7.5hr days with flexibility in working hours.
- Tax free bonus (up to £3,600 for those that have served a minimum of 12 months continuous service)
- Cycle 2 Work Scheme
- Electric Vehicle Scheme.

How to Apply

Email jobs@i4pd.co.uk quoting job reference '**SMD0412**'.

You must include the following:

- Your CV.
- A portfolio
- A covering letter describing what you would bring to the team and highlights experience of your compliance role within product development projects.