



Senior Electronics Engineer

Job Advertisement

Position: Senior Electronics Engineer

About i4PD

i4PD is an employee-owned product design and development consultancy. Our company is an established brand with an excellent reputation for achieving a competitive edge for small and large businesses alike by bringing new or improved products to market.

The company employs experienced and creative designers and engineers who operate out of i4PD's studio on the South side of Edinburgh. The team works collaboratively with our clients to augment their internal capabilities, supporting them to add functionality, reduce cost, increase visual appeal, enhance usability, and keep pace with technological advancements. Our clients include household names and those on their way to becoming leading consumer electronics and medical device brands.

About the Role

We are seeking an experienced Senior Electronics Engineer who can design and develop electronic systems for customer projects across a wide range of industries. You will be responsible for delivering technical work which meets the high standards expected to ensure i4PD's standing in the development community, as well as complying with i4PD's internal Quality Management System (QMS).

Alongside the estimation of new projects, you will also play a support role in new business development activities that help to elevate, promote, and endorse the electronics capability of i4PD. Your expertise will also be employed to provide technical review and training for more junior members of the electronics team.

Your Background:

- Bachelor's honours degree in Electronics Engineering or a related field
- Minimum 6 years industry experience
- High level of confidence to reliably deliver prototype and production designs that meet or exceed customer specifications
- Proficient in using oscilloscopes, multimeters, logic analysers, and other test equipment to troubleshoot and validate electronic designs
- 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.
- Proficient in using design tools like Altium and Orcad
- Advanced user of MS applications including Excel, PowerPoint and Word
- Excellent written and verbal communication skills

Position: Senior Electronics Engineer

Key Responsibilities:

Architecture & Concepts

You will be leading the Architecture and Concepts activities on your projects while also be coaching and reviewing the Architecture and Concepts work from the more junior team members, including:

- Understanding Requirements and turning into solutions
- Researching and identifying best fit for the requirements
- Sketching full system diagrams
- Knowledge in compliance and risk management
- Collaborating with other disciplines

PCBA Design

The core of your work will be to produce PCB assembly designs:

- Schematics & BOM
- Layout
- Component library management
- Tolerance analysis of parts / assemblies
- PCB & Components physical interface (layout)

Prototype & Test

You will be required to lead the prototyping and testing activities on your projects while also be coaching and supporting the more junior engineers in those activities, including:

- Procurement of Prototypes
- Board Bring up
- Writing test specs
- Proof of concept & Test Rigs building
- Testing & Troubleshooting
- Fettleing & Modifications

Business Development Support

You will help generate accurate cost estimates, write proposals and support pitch meetings for new electronics design and development projects. A clear understanding of both technical and commercial limitations is required. You may also be asked to support business development activities at trade shows, conferences etc and identifying new business opportunities on behalf of i4PD.

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

Professionalism

- Professional behaviour when dealing with clients, external stakeholders and colleagues
- Open and honest communication
- Seeking and welcoming feedback
- Active and collaborative approach to solving problems
- Providing and seeking support as required (particularly with regard to quality or safety issue)
- Maintaining a clear understanding of client/project requirements
- Ensuring productive and positive teamwork environment

Position: Senior Electronics Engineer

Benefits:

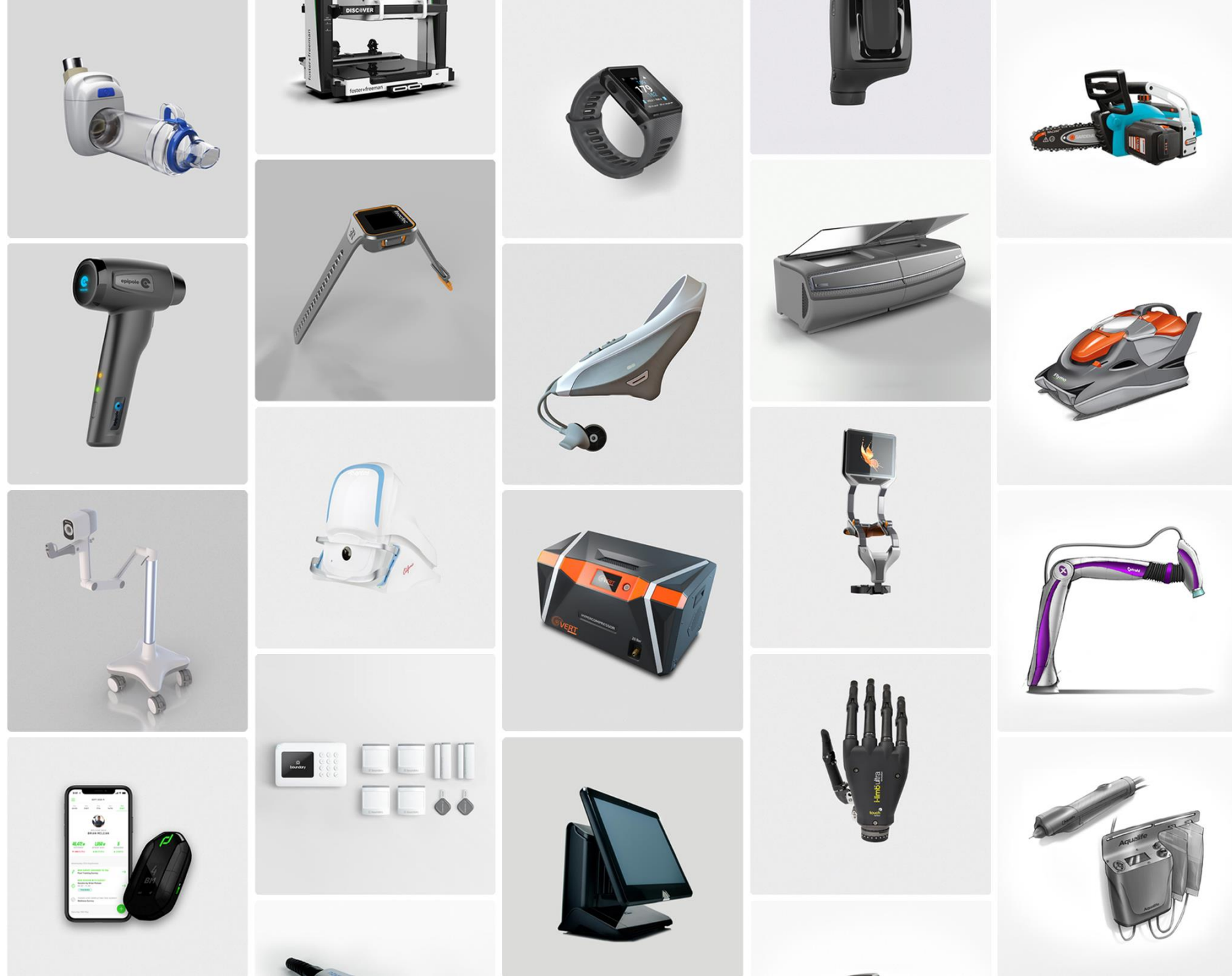
This hybrid role (37.5hrs per week) will allow you to work part of the time remotely if needed or full time in our bright and open studio based 25 minutes south of Edinburgh's centre in stunning rural surroundings with views of the Pentland Hills.

As a member of the i4PD team you will be offered a competitive package that includes an equal share of company tax-free bonuses through the employee trust (after 12 months service).

We recognise the value, to both you and the company, of maintaining a strong work life balance which we foster through flexible working patterns.

Enhanced sick pay, maternity/paternity leave and holiday schemes are also offered alongside a Cycle to Work scheme, EV lease scheme and numerous salary sacrifice benefits via Mintago (e.g. childcare/nursery costs, tax-free gym membership) as part of the package.





How to apply?

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

Apply today by sending an email to jobs@i4pd.co.uk quoting job reference **'Senior Electronics Engineer (SEE03)'** and include the following:

- Your CV
- A covering letter briefly describing the contribution your skills & experience would bring to the team.

**designing the
future together**

i4 Product Design
+44 (0) 131 448 2266
enquiries@i4pd.co.uk
www.i4pd.co.uk