

We are a young, dynamic Delft start-up, focused on providing protection without compromise through innovative body armour and impact protection products. Be it a martial artist fighting with heavy impact weapons or a hockey star on the field, a soldier serving in the military or an operator working heavy machinery on the factory floor, we are pioneering the protection technology to help these users effortlessly and safely carry out their tasks, and in style.

Currently we are working on bringing our first product, the ProGauntlet, a protective hand exoskeleton, to market. In the process, we are pushing the boundaries of not only impact protection technology in body armour, but also in smart-agile manufacturing in order to deliver high-quality customized products to users that 'fit like a glove'!

We are currently recruiting a:

Full-time Lead Design Engineer

for our Product Development team.

Could this be you?

Job Overview

In this role you will report to the Head of Product Development.

As the Lead Design Engineer, you will be leading the product design engineering team for various product development projects, starting with the ProGauntlet, followed by future product development of innovative and ground-breaking body armour and protective equipment in Martial arts and Sports applications. You will be responsible to take a product idea from conceptualization to productization in line with market & user requirements, product targets and business goals, and manage design changes throughout the product's lifecycle.

As the lead of a product engineering team, you will act as the gatekeeper of all product design activities, progressing through concept definition and development, systems modelling, detailed design, functional testing and validation and eventually a bill of materials ready for production/sourcing and assembly. Ideally, you will have 2-3 years' experience working in a product engineering role handling engineering activity in a product development setting in a medium/large enterprise.

Primary Responsibilities

- Leading product design and engineering activities on the development of a range of body armour and protective equipment products.
- Ensuring that the products are developed to the required cost, performance and quality targets.
- Manage design data and documentation (CAD/BOM) throughout product lifecycle through Design Release Process and Revision/Configuration Management.
- Act as Product Engineering Stakeholder and Approver for Design Reviews, Gate Reviews and Technical changes.
- Assist with development of technical roadmaps for improved product engineering and faster to-market lead times for new products.
- Provide support to Product Management to develop product portfolio planning and explore new product categories.

Daily and Monthly Duties

- Work with the Project Management team to plan and execute all design engineering activities in the product development program.
- Effectively translate engineering activities into tasks for design engineers and manage integration for various subsystems/components.
- Work with suppliers and external stakeholders to help develop parts and subassemblies for products.
- Plan for weekly project/design reviews and communicate design progress/issues effectively to interfacing functional teams.

Skills and Qualifications

- 2-3 years' experience in a product design related environment.
- Bachelor's Degree or equivalent in Mechanical, Industrial or Production Engineering.
- Formal training/Demonstrated experience with CAD software (e.g. AutoCAD, Solidworks, OnShape, Pro/E).
- Motivated and driven to design and deliver high quality novel innovative products to meet challenging customer and product requirements.
- Ability to work under pressure, manage several tasks at once and work towards ambitious deadlines.
- Ability to lead, plan, and ensure execution of projects and activities in the Engineering team, and work with cross-functional teams.

- A thorough methodical approach to design activities and exceptional attention to detail.
- Substantial analytical and technical problem-solving skills.

Preferred Qualifications

- Master's degree in Mechanical engineering/ Industrial Design.
- Experience/Knowledge of 3D Printing and Designing for 3D Printing.
- Prior experience in design of injection moulded/cast components is a plus.
- Prior experience/knowledge in Biomechanics is a plus.
- Demonstrated experience with leading design teams.

Send your application, including CV and motivation letter to: recruitment@crossguard.eu.
For inquiries, you may contact: Sachin Bijadi, +31617339348.

Note: Only personal replies by candidates will be considered.