

Senior mechanical device engineer

£50,000-£75,000

London

Company information

Cortirio's mission is to save lives by developing low-cost, portable brain imaging.

Medical imaging is typically non-portable and expensive, causing delays to treatment and costing lives. The problem is even more acute in low income countries: two-thirds of the world's population lack access to basic medical imaging.

Cortirio are developing a low-cost, portable headset that enables brain imaging at the bedside or roadside. Our cutting edge technology uses infrared light to image blood at high resolution and automatically detect injuries.

Role description

Working as part of a small, supportive multidisciplinary team of engineers and clinicians, you will lead the mechanical development of a head-worn brain imaging diagnostic device.

As our senior mechanical/medical-device engineer, you will be responsible for developing, prototyping, and proving a mobile device that conforms to a patient's head to enable 3D imaging of the brain. You will be leading the integration of sensitive electronics and optical elements into a package that can be used in demanding environments.

For engineers that are keen to broaden their skill set, there will also be ample opportunity to use and develop skills in other engineering disciplines such as electronics and embedded systems in a highly collaborative environment.

Why join Cortirio?

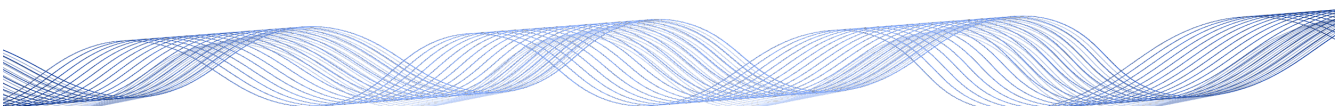
We're a small group of perpetual learners and innovators with a flat company structure looking for engineers who want to grow with us, take on responsibility and help create a technology that will make a difference. As an early stage startup, we wear many hats to get the job done. You'll get an overview of all areas of the product, as we don't work in silos.

We work on a flexible, hybrid model with some remote working and some time in the office, near Langdon Park DLR (London, E14). We offer meaningful share options to all employees. Work life balance is important to us. Other perks are 33 days holiday, as well as weekly lunch in our co-working space.

If you want to work in a tight-knit team but have the autonomy to have a big impact on the product, the company and the world, we'd love to hear from you!

Required skills

We are looking for a bright and creative engineer who is keen to learn and develop new skills and explore unfamiliar techniques while developing a new technology. In addition, we'd like you to have some of the following:



- Hands-on experience of design concept generation and experimentation to test/validate your design hypotheses
- Prototype development using a wide range of materials and processes.
- Practical experience with additive manufacturing or moulding processes such as: 3D printing, resin and silicone casting for prototyping; or composite materials.
- Experience of compiling user requirements from multiple sources and stakeholders and designing and executing validation tests to qualify new designs.
- Experience with CAD tools (ideally Solidworks) and generating manufacturing drawings, and liaising with suppliers and external manufacturers for prototyping and low volume production.

It would be helpful but but not essential if you have experience with some of the following

- Electronics, software and/or optics.
- Exposure and appreciation of the requirements of operating and developing in a regulated environment, ideally medical products under ISO13485.

How to apply

Please email your CV to [hiring@cortirio.com](mailto: hiring@cortirio.com)

The hiring process

- 45 minute video call with our Head of Talent to learn more about you, your aspirations and tell you more about the role
- 1 hour video call covering cultural fit and your technical experience
- 3 hour in-person interview on design thinking and practical skills
- Reference checks

We are happy to provide details of the interviews in advance to help you prepare as best as you can. If you require any adjustments at any stage of the interview process please let us know and we will be happy to assist.



Studio 18, 384 Abbott Road, London, E14 OUX

W: <http://cortirio.com>

E: [hiring@cortirio.com](mailto: hiring@cortirio.com)

