

## Senior Embedded Software Engineer to Medical Device company in Lund

### What we offer

We offer you the opportunity to join our exciting journey, developing products that really matter, that save lives within the field of medical temperature management that improves the clinical outcomes of sudden cardiac arrest patients. Are you ready to make some really important footprints in your life and career? Come and join us!

As a **Senior Embedded Software Engineer** at TEQCool you will be instrumental in the development of software controlling our medical device(s), as well as being an important contributor in other aspects of our organisation. You will get hands-on experience of the entire product cycle from idea to product definition. Our patented system is designed to minimize complications from cardiac arrest by maintaining normothermia through mild hypothermia treatment of the body and brain. The software is an important component of the system functionality, and you will be able to discuss, suggest, decide and implement new ideas in our development lab.

You will be active in the whole development chain from system requirements, system design to development, validation, and product release. You will be an integral part of the MedTech development that saves lives, improves the clinical outcome of cardiac arrest patients and ultimately improves the Quality of Life of survivors.

As an employee, you will also enjoy market competitive company benefits.

### About the position

We are looking for a professional **Senior Embedded Software Engineer** with a minimum 3 years of professional experience from Medical Device development according to ISO 62304.

The main tasks in our Software team includes:

- Design and Develop Embedded Software in both new products and next generations
- Minimum experience of 5-6 years of embedded systems development in C
- Experience in C / C++ / Python
- Driver development and Board bring-up
- System- and Software Risk analysis
- Participate in Planning and Execution of Verification and Validation on products and prototypes
- Design and implement software for embedded devices from requirements to production and commercial deployment
- Implementation of Graphical User Interface
- Work according to and ensuring compliance with TEQCool AB's ISO13485 Quality Management System as well as ISO62304 Software development processes
- Permanent position, full time employment

### About you

We are looking for a team player who finds it stimulating to work in a small, dedicated team in close interaction with other engineering disciplines. Like us, you value teamwork and want to contribute to our great team spirit, both in the office and lab, as well as social activities. You are creative and like to share your ideas and knowledge with the team.

You have a Master degree or similar high-level technical academic degree in Computer Science, Electronics, Physics or equivalent together with many years of experience of programming in an embedded environment. You have worked with hands-on development of embedded systems and are experienced in embedded systems design with and without real-time operating system.

### Additional competencies:

- Fluent in Swedish and good command of English. Both spoken and written.

- Analytical and structured with an interest for having both system wide view as well as detailed view within your expertise.
- Will thrive in smaller teams where you will interact with and within other disciplines

### **Application**

Do you recognize yourself? Is this your next career step? – Come join us!

In this recruitment we collaborate with Jenny Månsson Nummelin at Radeptus. Send your resume to [jenny@adeptus.se](mailto:jenny@adeptus.se) as soon as possible as we review and interview continuously – but no later than the 15<sup>th</sup> of September 2021. Looking forward to hearing from you!



### **About TEQCool**

*TEQCool is a medical technology company which is situated in Lund. We develop a unique, patented targeted temperature management (TTM) solution. It comprises a cooling device and a disposable Nasal Cooling Kit.*

*Tubing sets connect the cooling device with nasal balloon catheters that are inserted into the nasal cavity of sudden cardiac arrest patients. The aim of the TTM solution is to improve the clinical outcome of sudden cardiac arrest patients. The TTM2 clinical study that was published two months ago, further strengthens our unique position as the solution-of-choice for fever management of cardiac arrest patients and maintaining normothermia.*

*TEQCool is active in the fast-growing market, Targeted Temperature Management (TTM), for brain-protective mild hypothermia and normothermia treatment of sudden cardiac arrest patients.*

*Read more about us at [www.teqcool.com](http://www.teqcool.com)*