

Senior Embedded System Engineer for Lymphatica Medtech

Lymphatica Medtech SA

Lymphatica Medtech is a pioneer in implantable systems for lymphedema treatment. Spin out of EPFL and CHUV in 2017, the growing company has received national and international recognitions for its breakthrough approach.

We work in a competent and motivated team, implementing an ambitious project to have a significant impact for lymphedema patients and society as a whole.

Job Summary

Location: Milan – Italy

Lymphatica is looking for a Senior Embedded System Engineer to lead efforts in the Research & Development Team to design, develop, test and refine Firmware to control the wearable component of a Class 3 medical device.

Specifically, the Senior Embedded System Engineer will be responsible for managing the development, maintenance and integration of the embedded system according to medical device standards. The employee will manage a team of embedded system engineers and will coordinate with the other members of the R&D, management and quality and regulatory teams, external prototyping and manufacturing suppliers, business partners and final users to ensure project success.

The job location will be Milan city center, with possibility of partial remote working, and will require sporadic travelling to the company headquarters in Lausanne (Switzerland).

Responsibilities

- Serves as Embedded Electronics and Firmware Expert in the Development Team.
- Participates in the planning and management of the development activities of current medical devices in Lymphatica's portfolio and future products in Lymphatica's product pipeline, focusing on embedded systems and following the indications and budget from the management team.
- Is involved in the full development-cycle, from system level and concept thinking to testing and verification.
- Plans and executes development activities according to medical device regulatory requirements.
- Ensures the execution of the planned development activities.
- Designs, develops, optimizes and tests embedded firmware.
- Ensures design for Regulatory Compliance (Safety and EMC/EMI).
- Manages and coordinates suppliers' activities in collaboration with the head of R&D and with the Head of Manufacturing and Supply Chain.
- Coordinates with the quality and regulatory department for the adaptation of Lymphatica QMS to better regulate embedded system development activities.

Qualifications & skills

- Electrical engineering or computer science diploma, or equivalent degree.
- At least 5 years of experience in embedded system development in a regulated environment.
- Excellent communication skills.
- Project management skills.
- Ability to work in an interdisciplinary team.
- Familiarity with ECAD software (KiCAD, Altium).
- Familiarity with Nordic microcontroller programming.
- Familiarity with CI/CD pipeline setup and management (GitLab, Docker, etc.).
- Familiarity with C.
- Lab skills (Electronic Test and Measurement Equipment, Design-of-Experiments).

- Familiarity with Test Driven Development Methodology is a plus.
- Familiarity with risk management standards is a plus.
- Familiarity with ISO 62304 and ISO 60601 standard series is a plus.
- Proficient written and verbal communication in English and Italian. French is a plus.

How to Apply

Please submit your CV and cover letter to contact@lymphatica.ch. We look forward to reviewing your application!