

# SENIOR SYSTEMS ENGINEER – HARDWARE & SOFTWARE DESIGN

Posted on 26 januari, 2022

**Company Name** Mölnlycke

**Location** Göteborg

## Job Description

*Are you looking for a great career and want to make your mark? Please keep on reading but don't just take our word for it. We've interviewed colleagues around the world about their jobs, the Mölnlycke unique culture and Mölnlycke people and it is simply A great company to work for! Could you help improve healthcare outcomes around the world? If the answer is yes, you think just like us and should apply for this exciting opportunity that we have below.*

We are now looking to hire a Senior Systems Engineer to be part of our software and hardware design team based in Gothenburg. We are looking for a senior profile with experience from both electronics and software development.

This is a key position as we continue our journey towards new innovative solutions in the area of wound care. You will be part of a team supporting our new project initiatives and maintaining our current product portfolio. The hardware and software design team is a small team of talented engineers, where you will be able to grow and work across the full spectrum of the hardware and software design in our embedded products.

As a Senior Systems Engineer you will take a technical lead role in projects and activities within the area of hardware and software design. To fit this position, you probably have worked as a developer for several years in different projects, companies or for different customers, and at least for some years in a technical lead position. You have a good understanding of both software and electronics and can take a system ownership for the integration of software and hardware. You may have a background and specialty in either software or electronics but have in previous projects been working with both disciplines.

You have worked with products that require high quality, control, and design precision, in the medical device industry or another industry where high safety is required. This includes working in a process driven environment where activities such as FMEA/risk management, requirement management, verification and method validation are of importance. You can read and understand technical IEC standards and have knowledge and experience of IEC 60601 and/or IEC 62304 or similar standards.

Being in a senior position in the hardware and software design team also means that you will take ownership for the tools and processes that we use for the development of embedded devices.

You appreciate working in a small team, taking initiatives, and maintaining contact with several different stakeholders and parts of the organization.

### **Key Accountabilities:**

- Be part of teams as lead engineer, developing new embedded systems or software stand-alone solutions within our patient journey area roadmaps
- Be a part of teams as lead engineer, managing our existing portfolio related to activities within electronics and/or software development
- Perform or lead evaluations and investigations of embedded software and/or electronics design solutions to build knowledge, gain competitor insights, investigate complaints or evaluate M&A opportunities
- Where possible, generate Intellectual Property together with the team and our IP department
- Translate high level product requirements into embedded system requirements, design architectures and interface specifications
- Take technical leadership as lead engineer for a team of hardware and software design engineers during product development or life cycle management activities
- Develop, maintain and own tools, processes and methods applicable for the design and verification of hardware and software, such as software tools, equipment, work instructions and test methods
- Create and maintain contacts with suppliers

### **Capabilities, Qualifications & Experience:**

- Master's degree, e.g. electrical engineering, or equivalent working experience
- Several years' experience from R&D working with embedded devices
- Experience of embedded systems design as a lead engineer, including system architecture design, hardware-software interface design and requirement management
- Strong technical foundation and understanding of both hardware and software, with a background as electronics or software developer
- Experience and understanding of analog and digital electronic design principles
- Experience of software development for embedded devices, preferably according to IEC 62304
- Knowledgeable in risk management according to ISO 14971 or applying FMEA techniques
- Knowledge of design for manufacturability, production test and preferably experience of

working with contract manufacturing

- Interest or experience in design of low power applications and battery-operated devices
- Experience from medical device industry (*preferred but not mandatory*) within product development and from delivering products to IEC 60601, IEC 62304 standards or equivalent.
- Great communication skills, fluent in English

## How to become part of us?

This recruitment is handled together with our recruitment partner, **Technogarden**.

If you have questions regarding Mölnlycke or this open position, please contact Ulrika Ydse, [ulrika.ydse@technogarden.se](mailto:ulrika.ydse@technogarden.se) or Rebecka Kvarnstedt; [rebecka.kvarnstedt@technogarden.se](mailto:rebecka.kvarnstedt@technogarden.se)

To apply:

<https://technogarden.teamtailor.com/jobs/1573184-senior-systems-engineer-electronics-software-to-molnlycke-healthcare/applications/new>

We are screening applications continuously.

*By submitting your application, you also consent to us storing your personal data, including CV & cover letter and that we have the right to share this information with third parties (our client). You can revoke the consent whenever you want.*

## Om företag

**Mölnlycke** is a world-leading medical solutions company. We design and supply solutions to enhance performance at every point of care – from the hospital to the home.

*We specialise in:*

- *Wound management: including dressings with Safetac® such as Mepitel® and Mepilex®*
- *Preventing pressure ulcers: with Mepilex® Border used prophylactically and devices to help turn and re-position patients*
- *Surgical solutions: including Mölnlycke trays, HiBi® antiseptics and Biogel® surgical gloves*

*Mölnlycke was founded in 1849. Nowadays our solutions are available in around 100 countries; we're the number one global provider of advanced wound care and single-use surgical products; and we're Europe's largest provider of customised trays. Our headquarters are in Gothenburg, Sweden and we have about 7,800 employees around the world.*

[www.molnlycke.com](http://www.molnlycke.com)

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