

Systems Engineer



C-RAD is a global medical device company with head quarter in Uppsala. We develop, produce and sell innovative solutions to healthcare customers. The focus is on patient positioning, monitoring and imaging within radiation therapy. We are market leader in the field of optical patient positioning. C-RAD is a stock listed company at NASDAQ OMX Nordic Exchange. C-RAD group consists of three daughter companies in Sweden and sales offices in the USA, Germany, France and China. C-RAD is ISO 13485 certified.

Our core values are Professional, Organized and Honest.

*We are currently looking for a **Systems Engineer** to strengthen our R&D team.*

Join C-RAD to fight cancer – in Uppsala

Our products enables precision health through positioning and monitoring of patients in radiation therapy, which maximize the dose in tumours and minimize the dose in surrounding tissues.

We are now strengthening our R&D team in Uppsala with additional system engineering expertise. Our task is to develop and integrate world class systems to our patient positioning/monitoring products for radio therapy. As a systems engineer, you will be part of the complete product lifecycle and have a key role within a highly skilled R&D team.

In cooperation with others you will design new systems and contribute to the system verification/validation as well as ensuring that quality standards are met through documentation, reviews, risk analysis and testing.

Your profile

Areas to be addressed

- 3D-scanner optical considerations, in terms of field of view, update rate and wavelengths
- Dedicated projector and camera hardware for the 3D-scanner
- Electrical power conditioning and distribution

- High speed digital communication
- EMC considerations
- Cooling considerations
- Radiation hardness (tolerance to radiation)
- Product documentation following medical product regulations and standards

Responsibilities

- Collaborate with software and hardware engineers, marketing department, and clinical application specialists in defining and documenting system design, operational scenarios and workflows.
- Establish and manage key technical performance indicators of the system.
- Identify, analyze and define requirements for a System Requirements Specification.
- Collaborate with software and hardware engineers to develop system test strategy and test methods, including trend analysis for failing parts prediction.
- Study and evaluate MR compatibility of an existing 3D scanner product.

Qualifications

- Master's degree in Physics, Electrical Engineering, Computer Engineering, or a related Medical domain degree and at least 3 years of design and development in a highly regulated industry, although experience in the medical device field is a plus.
- Knowledge of systems, hardware and software engineering processes for the development of complex systems including System and Software Architecture, System Analysis, System Integration and Test, and Requirements Management. Experience in system modeling is a plus.
- Working level knowledge of system and interface specifications.
- Experience in interpreting medical regulations for new product design of software applications.
- Understanding of control systems, electronics, and computer networks.
- Interest and practical skills in mechanical and electronics assembly, including work involving high precision parts.
- Excellent troubleshooting and problem-solving skills.
- Strong communication skills.
- A motivated, organized, and collaborative work style.
- Fluent in Swedish or English is mandatory, other language skills are an advantage.

What we are offering for you

- Interesting position in an innovative, fast growing company with a great team spirit
- A fun and constantly changing work environment with skilled colleagues and exciting projects with new technologies
- A dedicated team within a global organization
- Short decision-making processes supporting an efficient working environment
- Attractive possibilities for self-development and career progression
- Competitive compensation package

Next steps

If this position is of interest please send us your application incl. a CV. Interviews are being held on a current basis, please send in your application as soon as possible.

Johan Bostedt

R&D Manager

C-RAD Positioning AB

Bredgränd 18, SE-753 20 Uppsala, Sweden

joan.bostedt@c-rad.com

www.c-rad.com