

SYSTEM ENGINEERING MANAGER

Medical Imaging Equipment

2/3 of the world population have still no access to medical imaging yet...

Do you have the passion, determination and enthusiasm for being part of the solution?

Do you have the unique combination of leadership and expertise required for this challenging position, including outstanding skills in medical products development, industrialization and quality management?

For its product development team, which designs and industrializes an extremely robust, cost-effective and digital medical X-ray system, Pristem is looking for highly motivated, proactive and talented engineers with a good track record in the industry of medical devices.

The System Engineering Manager will be in the R&D team reporting directly to the CTO and work closely with the Quality, Sales & Marketing and Operations departments to manage project and system aspects related to the whole development, integration and deployment of medical imaging equipment.

The main tasks will be, but not limited to, the following duties:

System Engineering

- Lead the specification of the whole System Requirements by gathering information from all departments and key partners (balance and reconcile technology and marketing stakes).
- Define and specify the architecture of the full product. Define the technical specification for each module development in collaboration with R&D team
- Participate to the selection of the key partners.
- Participate to the selection of the OEM components
- Follow the technical development of each module and ensure interoperability with all the other modules as well as consistency with the system requirements specification.
- Lead integration of all SW & HW modules and components into the full system.

- Estimate, qualify/quantify and document the System **performance** (i.e. *effectiveness, usability, etc.*), **CoGS** and **durability** and support module managers to make optimal design choices (“CPD trade-offs”) in collaboration with operations and marketing managers.
- Drive risk analysis at system level and continuous system design optimization process in collaboration with relevant stakeholders (Quality manager, potential users, marketing managers, etc.)
- Manage the tests of the full system.
- Ensure the integration of operation teams (manufacturing, field engineers, SAV, etc.) early in the project and handle handover to them.
- Continuously inform Sales and Marketing teams with the development progress and any issue/trade-off that needs to be validated with key stakeholders (customers, users, etc.). Update and maintain the Requirements specification accordingly as the reference document between marketing, R&D and test and validation teams.

Project management

Manage project(s) for the development of complete systems or subassemblies of high-performance, durable and low-cost medical X-ray equipment:

- Define the project(s) objectives with marketing managers and potential customers/users
- Define the corresponding project plan and budget in collaboration with the CTO
- Coordinate the tasks, communication and collaboration between the different teams (i.e. specify global goals and follow objective achievements). Support the teams and managers through cross-functional management and system development leadership.
- Define and follow-up deliverables of all internal and external partners in constant collaboration with Quality, R&D and Operations managers.
- Ensure that all deliverables of the project meet quality and business requirements.
- Ensure continuous monitoring of the project(s) and report on a regular basis (at least once a month) to the executive management team the project key indicators, including but not limited to 1°) budget and expenses (**costs**), 2°) planning and delays (**schedule**), 3°) achievements and trade-offs (**performance**). Report immediately any issue or drift of the product development.
- Be the key person to help any person within the organization to find all required information on his project(s).

Required Skills and Qualifications

- Minimum 10 years of experience in leading system developments and projects for high quality-price ratio and extreme reliability products systems including electronic, imaging, sensing, software and mechanic components
- Strong experience in highly regulated industry with successful track records in CE product marking (With strong experience in 60601 series for active medical device)
- Extended experience in usability engineering and the related 62366 standard
- Strong experience in leading system specification process with strong interaction with non-R&D internal and external stakeholder
- Experience in leading teams of internal and external partners having a large variety of technical skills (high voltage & high power electronic, FW development, battery management, sensors & camera systems, mechanical design, SW development, reliability testing, design for manufacturing, etc.)
- Experience in leading design reviews, Risk analysis and Reliability analysis
- Experience in product life cycle management of systems
- Open-minded, proactive, persistent, result-driven and able to work under pressure in changing environments (startup)
- Able to produce outstanding quality and reliability required for our solutions to work durably in the most challenging contexts

Languages: French and English proficiency

We offer: A multicultural, open-minded, highly dynamic and stimulating work environment
A disruptive approach combining best-in-class medical technologies with heavy-duty industrial quality
An opportunity to address a global health issue in a practical and effective manner

Activity Rate: 100%

Duration: permanent contract

Start Date: as soon as possible

Work place: Pristem Switzerland

How to apply: Send email applications including motivation letter, resume and work certificates/references to careers@pristem.com

More information: www.pristem.com