

Senior Electrical Engineer

POSITION REPORTS TO: Sr. Director, Hardware Engineering R&D

POSITIONS SUPERVISED: May directly supervises up to two employees

POSITION SUMMARY: Researches and develops systems, designs circuits, and tests electrical components, equipment, and systems by performing the following duties:

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Designs and tests portable embedded systems which include image acquisition circuitry, digital signal processing and communications systems for use with implantable medical devices.
- Specifies and designs RF systems and circuitry to transfer power and data to implantable medical devices.
- Performs requirements analysis, detailed design, documentation and presentation in a team setting.
- Develops documentation to transfer design to production.
- Develops test plans/systems to support verification, validation, and production testing.
- Strategic planning of product development incorporating appropriate technologies.
- Responsible for project progress reports and problem analysis.
- Works closely with implant, clinical, regulatory, and manufacturing teams.
- Develops team members both technically and non-technically to improve team's engineering ability and communication.
- Carries out supervisory responsibilities in accordance with the organizations' policies and applicable laws. Responsibilities include interviewing, hiring, and training employees; planning, assigning, and directing work; appraising performance; rewarding and disciplining employees; addressing complaints and resolving problems.

EDUCATION/CERTIFICATION: MS in electrical engineering or related field from an accredited college or university.

EXPERIENCE REQUIRED: 5 to 10 years related experience and/or training; or equivalent combination of education and experience.

KNOWLEDGE/SKILLS ABILITIES:

- Experience with design and simulation software (e.g. SPICE, VHDL or Verilog, Altium)
- Experience in design control.
- Experience with verification and validation testing and documentation.
- Motivated, highly organized, able to manage multiple tasks at one time.
- Strong communication skills and the ability to function in team environment.
- Experience in the medical device industry or pharmaceutical industry is critical.
- Experience in another regulated industry may substitute depending on the candidate's strengths.