

Description	
Job Title	Hardware (Electrical) Developer
Reports to Title	R&D Manager
General Accountability	<p>Our mission is to Profoundly change the standard of care by creating a tomorrow where clinicians can confidently ablate tissue with precision; a tomorrow where patients have access to safe and effective treatment options, so they can quickly return to their daily lives. Changing the standard of care is part of our fabric. We are a group of energetic, problem-solvers focused on innovation, and looking to change the world. If you want to make a Profound impact with your career, here is your chance.</p> <p>The Hardware (Electrical) Developer is responsible for producing designs, test and design specifications and to test and document the electrical designs, following the Company's Quality System. They are responsible for resolving all electrical issues to meet component and system specifications. They are responsible for certification of all electrical aspects of the Company's medical devices.</p> <p>The Hardware (Electrical) Developer is expected to provide technical leadership with many aspect of the overall design of the Company's products. This includes reviewing their peers' design and those already developed by the Company and suggesting improvements to them.</p>
Duties and Responsibilities	<ul style="list-style-type: none"> ▪ Participate in the generation of SubSystem requirements and specifications ▪ Carry out electrical engineering design activities including: design, debug, modifications and verification of electrical components of the company's products ▪ Develop the manufacturing testers and test procedures ▪ Create the BOM for electrical assemblies and printed circuits ▪ Develop and document circuit schematics ▪ Support the layout of printed circuits ▪ Participate in or lead design reviews by providing expertise in hardware designs. ▪ Reviewing existing designs or new designs developed by peers or external contractors. ▪ Develop and maintain Hardware Language designs for Programmable Logic devices. ▪ Lead hardware improvement projects as required by the business. ▪ Follow PMI Design Control Procedure ▪ Develop test methods for getting test agencies approvals and work with the test agencies to qualify products ▪ Ensure the device's electrical safety and participate in risk management activities ▪ Support prototype and product manufacturing activities as needed Investigate product complaints, perform root cause analysis of failures, and propose remediation in a timely fashion.

Competencies	
Education	University degree in Electrical Engineering
Certifications	N/A
Key Attributes (experience, skills and technical knowledge)	<ul style="list-style-type: none"> ▪ Sound knowledge of electronics engineering design principles for analog, digital, and RF mixed signal designs ▪ Experience of 5+ years of electronic design, 2+ in technical leadership position ▪ Knowledge of tools for circuit design (PADS preferred) and FPGA design (Altera Quartus preferred) ▪ Design and testing for EMC ▪ Electrical/RF engineering for MRI compatible electrical devices is an asset ▪ Familiarity with working with a formal quality system (ISO 13485 preferred) ▪ Familiarity with IEC-60601 is an asset ▪ Demonstrate high degree of innovation to achieve high quality, usefulness and cost-effectiveness ▪ Logical thinking with creative problem-solving ability ▪ Excellent written and verbal technical communications skills ▪ Detail-orientated, highly motivated, patient and diligent ▪ Able to work well in teams and independently