

<i>Description</i>	
Job Title	Hardware (Electrical) Developer
Reports to Title	Director Hardware Engineering & QA
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, while making a difference in other people’s lives, here is your chance.</p> <p>The Hardware (Electrical) Developer is responsible for producing designs, design specifications and test documents following the Company’s Quality System. They are responsible for resolving electrical issues with component and system specifications as well as certification of electrical aspects of the Company’s medical devices.</p> <p>The Hardware (Electrical) Developer is expected to provide technical leadership with many aspects of the overall design of the Company’s products. This includes reviewing their peers’ designs 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 Sub-System requirements and specifications ▪ Carry out electrical engineering design activities including: design, debug, modifications and verification of electrical hardware components of the company’s products ▪ Design and develop manufacturing tests and test procedures ▪ Develop test methods for getting test agencies approvals and work with the test agencies to qualify products ▪ Create the BOM for electrical assemblies and printed circuit boards ▪ Develop and document circuit schematics ▪ Support the layout of printed circuit boards ▪ Participate in or lead design reviews by providing expertise in hardware designs. ▪ Review existing designs or new designs developed by peers or external contractors. ▪ Lead hardware improvement projects as required by the business. ▪ Follow PMI Design Control Procedure

	<ul style="list-style-type: none"> ▪ Ensure the device’s electrical safety and participate in risk management activities ▪ Support prototype and product manufacturing activities as needed <p>Investigate product complaints, perform root cause analysis of failures, and propose remediation in a timely fashion.</p>
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Competencies	
Education	University degree in Electrical Engineering
Certifications	N/A
Key Attributes (experience, skills and technical knowledge)	<ul style="list-style-type: none"> ▪ Solid understanding of electronics and RF design ▪ Experience with new product introduction of RF systems ▪ Sound knowledge of electronics engineering design principles for analog, digital, and RF mixed signal designs ▪ Design and testing for EMC/ EMI ▪ Experience of 5+ years of electronic design, 2+ in technical leadership position ▪ Knowledge of tools for circuit design (PADS preferred) ▪ Electrical/RF engineering for MRI compatible electrical devices is an asset ▪ Experience with medical ultrasound is an asset ▪ Experience with motion control systems is an asset ▪ Familiarity with working under a formal quality system (ISO 13485 preferred) ▪ Familiarity with IEC-60601 is an asset ▪ Demonstrate high degree of innovation to achieve high quality 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