

Description	
Job Title	Hardware (Electrical) Developer
Reports to Title	Technical Project Manager Hardware
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. We are changing the paradigm for treating diseases such as prostate cancer by using real-time MR Imaging, thermal ultrasound and close-loop temperature feedback control, to gently ablate the diseased tissue with minimal side effects.</p> <p>If you share our values and want to work in a collaborative results focused culture and want to make a Profound impact in healthcare and your career, here is your chance.</p> <p>The Hardware (Electrical) Developer is responsible for producing electrical and electronic designs, design specifications and test documents following the Company's Quality System. They act as the subject matter expert on all electrical issues encountered in manufacturing or in the field. They are responsible for sustaining and upgrading electrical design. They are also responsible for safety and EMC 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 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 system requirements and specifications. ▪ Carry out electrical engineering design activities including design, debug, modifications, and verification of electrical components of the company's products. ▪ Develop and document circuit schematics and create the BOM for printed circuit board assemblies. ▪ Develop manufacturing and test instructions. ▪ Support the layout of as well as DFM and DFT 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. ▪ Follow PMI Design Control Procedure. ▪ Develop test methods for agency approval and work with the test agencies to qualify products.

	<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. ▪ Investigate product complaints, perform root cause analysis of failures, and propose remediation in a timely fashion.
Competencies	
Education	Bachelor or M. S. in Electrical Engineering
Certifications	None
Key Attributes (experience, skills and technical knowledge)	<ul style="list-style-type: none"> ▪ A minimum of five years of design and development experience in analog and digital circuit design. ▪ Good knowledge of electronics engineering design principles for analog, digital, and mixed signal designs. ▪ High-speed digital and analog circuit design, PCB layout and schematic capture using professional design software; (PADS & OrCAD Capture preferred). ▪ Electrical/RF engineering for MRI compatible electrical devices ▪ Familiarity with IEC-60601 is an asset. ▪ Design and testing for EMC. ▪ 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