

Description	
Job Title	Hardware Engineering Manager
Reports to Title	Senior Director of Engineering
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 Engineering Manager oversees all mechanical and electrical aspects of the system including the system design, mechanical staff, and material resources.</p>
Duties and Responsibilities	<ol style="list-style-type: none"> 1. Responsible for all technical aspects of the mechanical and electrical components of Profound Medical products including: <ol style="list-style-type: none"> a. Hardware requirements and design specifications generation b. Hands-on mechanical design to comply with system requirements c. Guidance and review of mechanical design for all team members d. Overseeing all aspects of the electrical design (circuit design, PCB layout, etc.) e. Producing full DMR and DHF documentation for transfer to test/manufacturing f. Manufacturing, assembly and maintenance of R&D prototypes as necessary g. Trouble-shooting of mechanical and electrical problems as necessary h. Identify areas of improvement in products quality and propose solutions i. Implement PMI's quality system throughout design activities. 2. Managerial tasks include: <ol style="list-style-type: none"> a. Directly manage a team of up to 12 hardware engineers b. Scheduling/planning mechanical resources and timelines to meet corporate goals c. In collaboration with project manager, plan and execute projects to meet corporate goals d. Preparing status updates for senior management as requested. e. Ensure that product complaints and other quality events are investigated (including the root cause analysis) in a timely fashion, and create plans for remediation.



JOB DESCRIPTION – HARDWARE ENGINEERING MANAGER

Competencies	
Education	Mechanical or Electrical Engineering or similar undergraduate degree
Certifications	None
Key Attributes (experience, skills and technical knowledge)	<p>Required:</p> <ul style="list-style-type: none">▪ 7-10 years industrial experience in medical device industry or a similar industry (instrumentation, automotive, etc.)▪ At least 5 years of experience managing engineers▪ Extensive knowledge of computer-assisted design, with knowledge of SolidWorks an asset.▪ Good knowledge of PCB technology (design, layout, manufacture)▪ In depth knowledge of manufacturing processes such as machining, injection molding, urethane casting.▪ Excellent verbal and written skills. Ability to quickly, clearly, and concisely communicate.▪ Tenacious problem solver, organized, detail oriented▪ Knowledge of medical device standards such as IEC-60601 <p>Desirable:</p> <ul style="list-style-type: none">▪ Experience working with MR compatible devices and therapeutic ultrasound devices.▪ Experience working with catheter or medical implants