PROFOUND MEDICAL Inc.	**JOB DESCRIPTION – MANAGER OF SYSTEMS ENGINEERING**

Description	
Job Title	Manager of Systems Engineering
Reports to Title	Sr. Director of Engineering
General Accountability	Manages a team of systems developers and testers, and all system-level aspects of the Company's product development activities including system design, usability engineering, verification, validation, risk management, and certification.
Duties and Responsibilities	1. Manages the team responsible for the development and testing of system-level aspects of the Company's products. 2. Manages the software testing team. 3. Coaches team members as required to develop their skills and improve their productivity. 4. Responsible for the development and testing of MRI-related aspects of the Company's products, such as development of MRI sequences, RF compatibility, and overall system validation. 5. Establishes the overall test strategy for the Company's products, in collaboration with the leaders of the hardware and software developers. 6. Leads the test execution, and the documentation of test results and issues encountered. 7. Works with the Project Manager and other stakeholders to establish project timeline and report on progress. 8. Identifies and evaluates risks to the patient and operator, designs risk mitigations, and validates their effectiveness. 9. Oversees usability engineering activities. 10. Performs root-cause analysis of system-level issues with the Company's products 11. Maintains equipment and lab space used for development and testing. 12. Investigates complaints from external users related to system failures or shortcomings. 13. Work with the clinical team to plan, develop and execute clinical trials. 14. Supports the Company in the regulatory submissions of products for Health Canada, FDA, CE, etc. Participate in regulatory strategy discussions. 15. Assists with the development of high level system requirements and decomposition into component and software specifications. 16. Participates in recruitment, interviewing, and hiring decisions. 17. Ensures that all direct reports are familiar with, trained on and follow all Quality System procedures related to their jobs which can affect the quality of products or services provided to our customers and that changes to procedures are reviewed, approved and validated prior to implementation.

Competencies	
Education	University degree in Engineering or Science
Certifications	None Specified
Key Attributes (experience, skills and technical knowledge)	▪ Minimum 5 years of experience in the design, development and launch of cleared medical devices in US, Canada and EU. ▪ Extensive knowledge of design and development of medical devices using accepted best practices such as ISO and GMP. ▪ Knowledge of risk management for medical devices and of ISO 14971. ▪ Knowledge of software development lifecycle. ▪ Demonstrated ability to manage a multi-functional engineering team of up to 10 developers and support staff. ▪ Demonstrated ability to manage multi-faceted projects. ▪ Knowledge of medical imaging is a highly valued asset. ▪ Excellent verbal and written communication skills ▪ Excellent troubleshooting skills. ▪ Valid Ontario driver's license (specifically for traveling to MRI facilities within the great lakes region). ▪ Valid passport for travel to United States and Europe