



## **JOB DESCRIPTION – SENIOR / DESIGN ENGINEER**

### **JOB RESPONSIBILITIES**

- Lead and conduct design of innovative products and its accessories based on design inputs.
- Critical evaluation of the clinical need, user requirements and related product specificities, in order to define effective device designs.
- Define concepts for testing and conduct/supervise prototype manufacturing.
- Conduct prototype verification, including mechanical and performance testing and user studies.
- Participate in Design Review, DFMEA and Design Verification Activities.
- Work closely with clinicians to understand user requirements.
- Document activities according to company's policy.
- Co-responsible for the creation, update and control of product and process related documentation (User Requirements, Product Technical Specification, Technical Drawings, BOM, Test Instructions and Procedures, Assembly Work Instructions).
- Perform other ad-hoc duties as assigned by immediate supervisor.

### **JOB REQUIREMENTS / SKILLS / ABILITIES**

- Degree / MSc or PHD in Mechanical, Electrical or Biomedical Engineering with at least 2 years of experience in medical device industry including concept definition, prototype manufacturing, prototype testing and design documentation.
- Technical Diploma with minimum 5 years in Medical Device Development.
- Excellent command of Computer Aided Software (CREO, Solidworks or equivalent).
- Strong knowledge of technical standards (ASME, JIS etc).
- Experience in simulation software (Abacus, CREO Simulate etc).
- Competent in data analysis tools like DOE, Minitab.
- Strong command of English (Written and Oral)
- Strategic thinking.
- Resourceful and innovative.
- Independent and has the ability to work under pressure.
- Able to work cross-functionally to develop specific plan to address different challenges.

If you are looking for challenges and have the qualities and experience to undertake this challenging opportunity, please write to [hr@fongspl.com.sg](mailto:hr@fongspl.com.sg) with your detailed resume stating your qualifications, experience, present and expected salary, notice period.

We regret that only shortlisted candidates will be notified. Thank you.