



## About the Organization

Royal Philips (NYSE: PHG, AEX: PHIA) is a leading health technology company focused on improving people's health and enabling better outcomes across the health continuum from healthy living and prevention, to diagnosis, treatment, and home care. Philips leverages advanced technology and deep clinical and consumer insights to deliver integrated solutions. Headquartered in the **Netherlands**, the company is a leader in **diagnostic imaging, image-guided therapy, patient monitoring, and health informatics**, as well as in **consumer health**. Philips' health technology portfolio generated **2021 sales of EUR 17.2 billion** and employs approximately **78,189 employees** with sales and services in more than 100 countries.

In this role, you have the opportunity to design, develop and maintain Diagnostic X-rays (Radiography, Fluoro & Mammography) and realization of a range of products in such a way that future products options and features can be realized with acceptable effects for the earlier products. You are responsible for identifying appropriate technologies for overall system, sub-system and component levels. You will ensure that your design is consistent with the higher-level architecture and requirements.

## You are responsible for

- Achievement of the technical goal/commitment of a project
- Creation of the mechanical and electrical requirements, Ensuring the mutual consistency and efficient integration of the separate modules, easy-to-maintain units that meet the product specification
- Develops electro-mechanical (mechatronics) products by studying customer requirements, researching, and testing manufacturing and assembly methods
- Analyse project ideas regarding realization options; evaluate impact on running projects
- Determines the Unit interfaces (HW/SW), in close consultation with relevant disciplines
- Delegates, coaches and verify the implementation by Engineers.
- Ensuring the mutual consistency and efficient integration of the separate modules in modular, easy-to-maintain units that meet the product specification
- Analyze product(s) issues from the field (post-market) and take complete ownership in providing a relevant solution(s)
- Define subsystem architecture under considerations of platform constraints
- Working closely with all the other team members both R&D team members (Like Systems, Verification, Norm compliance, etc..) and cross-functional stakeholders (Like Service, Quality, Regulatory, Marketing, Clinical, etc...) for the projects
- Working closely with local and global suppliers
- Reliability and Serviceability of the system/subsystem/components
- Transfer design output to the manufacturing line
- Advising on realization, planning, and budgets
- Contributing to Technology Roadmaps
- Performs work in line with the processes that have been agreed upon in the department.
- Maintains product and company reputation by complying with country-specific regulations.

**To succeed in this role, you should have the following skills and experience**

- MTech /B.E/BTech in Mechanical engineering or Mechatronics Engineering
- 10+ years of relevant experience in design & development (one end to end X-ray product development experience is preferred) of system/subsystem
- Expertise in design techniques, application domain, and advanced engineering including model-based design.
- Ability to technically lead a team with Domain Expertise in Machine Design, motion control engineering, Manufacturing process, Materials selection, Value Engineering
- Analytical, creative, and intellectual thinker, with the ability to perform electro-mechanical design calculations & verify designs
- Knowledge of structural design, CAD (Creating 3D models and manufacturing drawings), FEM analysis
- Good at hand calculation of the design
- Create DFMEA and identify relevant product risks
- Identifying the suitable material, Creating EBOM, DFM/DFA
- Experience in the latest engineering design and methods, tools, and processes
- Create functional requirement documentation
- Knowledge of IEC 60601 standards is preferred
- Disciplined team worker, ability to work independently
- System thinking mindset and domain expertise in the related area
- Ability to present ideas and to convince project team members
- Be structured and self-organized
- Excellent communication skills
- Team player, leadership skills and drive for results
- Quality mindset in design and documentation
- Intercultural sensitivity
- Self-motivated & ability to coach, support and direct the Engineers in a subgroup.