

Senior Power Electronics Engineer

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Company: Philips

Location: Suzhou

Category: architecture-and-engineering

Job Title

Senior Power Electronics Engineer

Job Description

Job title:

The position will play a critical role in the development of power system for healthcare application in Philips.

Your role:

Switching mode Power Supply, high power inverter, and electrical circuits development including circuits simulation, schematic design, components selection, magnetic parts design, PCB layout checking and circuit debugging for high power medical amplifier

Communication and technical feasibility discussion with team members in concept stage

Detailed design delivery for product with high-power (technical product spec, DFMEA, electronics system architecture, design review, validation & verification, etc.) during PDL execution

Perform trouble shoot and root cause analysis on issues from customer or production line, as well as design verification and product validation, ensure deliverables have no

risk in safety and reliability.

Work with global or local technical leadership to ensure that the technical deliverables are consistent with the goals of larger programs, projects, or initiatives.

Ensure design for reliability, performance, and high-quality product delivery through supplier relationships.

Track and drive power electronics a critical role in the development of Medical System. The right candidate will have a unique opportunity to create innovative designs. The position will suit a skilled engineer ideally familiar with Power electronics engineer a critical role in the development of Medical System. The right candidate will have a unique opportunity to create innovative designs. The position will suit a skilled engineer ideally familiar with Power electronics engineer technology.

You're the right fit if:

Bachelor's degree or higher in power electronic engineering, or related field equivalent

Minimum of 6 years power electronics engineering experience

Familiar with power electronic production development process

Demonstrated experience in analog, digital, power, PCB layout, EMC/EMI electrical design

Knowledge in design for manufacturing: Ease of assembly, Cost, second sourcing.

Experience for power supply topology LLC, Phase shift full bridge or three level circuits is preferred.

Working experience with the global R&D and engineering organizations preferred.

Good English communication skills.

About Philips

We are a health technology company. We built our entire company around the belief that every human matters, and we won't stop until everybody everywhere has access to the quality healthcare that we all deserve. Do the work of your life to help the lives of others.

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If you're interested in this role and have many, but not all, of the experiences needed, we encourage you to apply. You may still be the right candidate for this or other opportunities at Philips. [Learn more about our commitment to diversity and inclusion .](#)

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