

Job Title: Senior Hardware Development Engineer - Solar Inverters

Location: Jaipur, India

Salary: 20 LPA

Experience: 15-20 Years

Education: BTech (Electronics / Electrical) & Above

About Genus Infrastructure:

Genus Infrastructure is a renowned leader in the renewable energy sector, dedicated to developing innovative solutions for sustainable power generation and distribution. With a focus on solar energy, we design and manufacture cutting-edge solar inverters and related hardware to meet the evolving needs of our customers worldwide. As we continue to expand our operations, we are seeking a highly skilled and experienced Senior Hardware Development Engineer to join our team in Jaipur.

Responsibilities:

- Lead the design and development of advanced solar inverters and associated hardware components, leveraging expertise in solar energy systems.
- Spearhead the optimization of MPPT (Maximum Power Point Tracking) Solar Chargers up to 20 KW to ensure maximum efficiency and performance.
- Drive the design and implementation of SMPS (Switched-Mode Power Supply) circuits tailored to specific project requirements.
- Oversee the inductor design process, ensuring the creation of high-quality inductors optimized for reliability and performance.
- Manage the entire new product development process, from concept generation to prototype testing and final production.
- Conduct comprehensive product verification and validation tests to ensure compliance with industry standards and customer specifications.
- Collaborate closely with cross-functional teams including R&D, Manufacturing, and Quality Assurance to ensure seamless integration of hardware components.

- Provide technical leadership and mentorship to junior engineers, fostering a culture of continuous learning and innovation within the team.

Requirements:

- Bachelor's degree or higher in Electronics, Electrical Engineering, or a related field.
- Extensive experience (15-20 years) in hardware development, with a focus on solar inverters and associated technologies.
- Proficiency in SMPS design principles and inductor design techniques.
- Strong understanding of MPPT algorithms and their application in solar charger design.
- Proven track record of successfully leading hardware development projects from concept to production.
- Excellent problem-solving skills and attention to detail.
- Effective communication skills, with the ability to collaborate with cross-functional teams and external stakeholders.
- Prior experience in reputable companies within the renewable energy sector will be advantageous.

Benefits:

- Competitive salary package with additional benefits.
- Opportunities for career growth and advancement within a leading organization in the renewable energy industry.
- Work in a collaborative and innovative environment with a passionate team of professionals.
- Comprehensive benefits package including health insurance, retirement plans, and more.
- Located in Jaipur, a vibrant city known for its rich cultural heritage and quality of life.

Application Process:

- Interested candidates meeting the above requirements are encouraged to apply by submitting their resume and a cover letter highlighting their relevant experience and qualifications.
- Shortlisted candidates will undergo 2-3 virtual rounds of interviews to assess technical skills, problem-solving abilities, and cultural fit within Genus Infrastructure.

Join us in driving the transition towards a sustainable energy future! Apply now to contribute to our mission of revolutionizing the renewable energy industry with innovative solutions.