



Power Systems Application Engineer

Job description

This opportunity provides the unique option for YOU to have a say where YOU will work in the future! Our IR HiRel team has a presence in CA, AZ, TX, and MA and for the right candidate US domestic relocation will be considered. IR HiRel, an Infineon Technologies company, is a global leader of power solutions for the space market. IR HiRel Radiation Hardened semiconductor MOSFET's, DC/DC Hybrids, and Integrated PCB based DC/DC converters are selected by space companies around the world for their superior performance, quality, and reliability. As part of its ambitious growth plan, IR HiRel is looking for a Power Systems Application Engineer to define differentiated GaN and Si power DCDC solutions for various satellite power applications. The person selected for this new role will be at the forefront of defining new products that will contribute to future growth and help shape the rad hard power electronics of tomorrow.

In your new role you will:

- **Define** and **lead** the definition for our **rad hard power DCDC roadmap for Si and GaN**
- Outline detailed **specifications** and supporting **application collateral** for the market
- Be the **lead technical interface** for customers, product marketing, and design
- Work closely with **customers to derive** technical product **requirements** for future solutions
- **Direct** and **perform** hands on lab work to **verify the performance** of a specific circuit and/or the final product
- **Support** design, verification, testing, and troubleshooting of **power system designs**
- **Work** with **lead** customer's to ensure **adoption** of new products

Profile

You are best equipped for this task if you have:

You enjoy working with the customer and have a passion to build on creative ideas to create differentiated solutions. At the same time, you bring a good business sense and know how to balance the customer requirements and the interests of the company. As a team player, you cooperate across boundaries, appreciate the contribution of others, and make use of the resulting creative potential.

- BS or MS in Electrical Engineering or related field
- 6+ years of power applications experience
- Ability to simplify complex technical problems
- Strong foundation in isolated and non-isolated power systems

At a glance

Location: **Chandler, AZ**
Job ID: **45999**
Start date: **immediately**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **45999**
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- Strong understanding of control theory, system design, circuit design, power switch design, and magnetics design
- Strong attention to detail during all aspects of product and architecture definition, development, and documentation
- Exceptional interpersonal, time management, and communication skills
- Ability to travel domestically and internationally up to 35%

Infineon **Power & Sensor Systems (PSS)** semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world. IR HiRel, part of Infineon PSS, is a leader in high-reliability, rad hard power management and RF solutions for space and other extreme environments.

Our leading-edge power devices make chargers, adapters, power sources and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

– We drive leading-edge power management, sensing and data transfer capabilities –

[Click here](#) for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs.

