



## Principal Engineer System Application for HP SMPS (WBG) and S4 Applications EMEA (f/m/div)\*

### Job description

Do you want to shape the technology of tomorrow? As a regional System Application Engineer (SAE(R)) High Power Switch Mode Power Supply (SMPS) and Super Solid State Solutions (S4) for EMEA Region, you will have the opportunity to actively contribute to the future of our Silicon and Wide Band Gap (WBG) product families. In this role, you will work together with the Field Application Engineers (FAE) to support our customers during the evaluation and development phase of their systems and identify new biz opportunities. Furthermore, we will provide you the opportunity to work on innovative solutions for our advanced silicon- and WBG products together with our system architect engineers (SAE) in the HQ. You will also be responsible to support our customers and Distributors with product- and application trainings in the EMEA region.

In your new role you will:

- Be the **technical system expert (2<sup>nd</sup> level)** for EMEA to build up system competency for High Power (HP) SMPS Solutions (WBG & Si) and Super Solid State Solutions S<sup>4</sup>
- Built up reference boards for **regional support and customer projects**
- Support with detailed knowledge of the device **internal circuitry, simulations and test results**
- Work proactively and independently on **designs to optimize system solutions** for our customer's applications inclusive **trouble shooting**
- **Collaborate with regional FAEs, account teams and regional marketing** to identify and drive new biz opportunities for defined end customers
- Be the interface for **preparing and executing product and applications trainings** for customer- and **distribution partners** in EMEA
- **Validate and adapt the application** in the in-house laboratory or on-site together with the customer
- **Support roadmap discussions on innovative application** approaches with the development teams of our international customers and with our experts in HQ

### Profile

You are able to quickly build up a trustworthy, constructive cooperation and still respect different views and attitudes. You use the creative potential coming from this, work independently and conscientiously while taking care of reaching your goals and our team goals. You have a sense for today's trends and therefore can recognize improvement opportunities for your area. You are quality oriented and remain focused on solutions, even when under pressure.

### At a glance

Location: **Munich (Germany)**  
Job ID: **360674**  
Start date: **Sep 01, 2022**  
Entry level: **3-5 years**  
Type: **Full time**  
Contract: **Permanent**

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### Contact

**Bari Guritno**  
Talent Attraction Manager



You are best equipped for this task if you have:

- **A degree in Electrical / Electronic Engineering** or equivalent degree
- **Deep understanding of power semiconductors** (e.g. Power MOSFETS, Wide Band Gap and Silicon devices analog- and digital control IC's).
- **At least 6 years professional experience in designing**, SMPS High Power Applications, including magnetic designs, PCB layout EMI conform, prototyping, high power topologies isolated and non-isolated, (e.g. TTP-PFC, LLC)
- **Proven experience in practical design verification** (layout review and troubleshooting)
- **Excellent understanding in System level simulation** (e.g. Matlab, PSpice, etc.) **and layout tools**
- Deep understanding of the **EMEA SMPS high power applications** (market expertise, etc.)
- **Willingness to travel** (pan European assignment)
- **Fluent English communication skills are mandatory - German language is desired**

## Benefits

- **Munich:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Home office options; Part-time work possible (also during parental leave); Sabbatical; On-site creche and kindergarden with 120 spots, open until 6pm; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport and very own S-Bahn station; Access for wheelchairs

## Why Us

**Part of your life. Part of tomorrow.**

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

### **– Power & Sensor Systems (PSS) drives leading-edge power management, sensing, and data transfer capabilities –**

Infineon **PSS** semiconductors are enabling intelligent power management, smart sensitivity, and fast, reliable data processing in an increasingly digitalized world. Our state-of-the-art power and connectivity devices make chargers, servers, mainboards, power tools, and lighting systems smarter, smaller, lighter, and more energy-efficient. In addition, our trusted sensors give things an intuitive sensing capability to make them contextually aware, and our RF chips support fast and reliable data communications. [Click here](#) for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs.

*\* The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

