



## Principal Engineer Chip Product Development for E-mobility (f/m/div)\*

### Job description

Would you like to be responsible for Bare Die specific development topics for SiC MOSFET as well as IGBT and diode Chips for automotive applications? Then come and join our highly motivated team! Make sure to apply now! The Technical Ladder is a special career path for those who share innovative ideas, demonstrate comprehensive technical knowledge, show thought leadership, possess problem solving abilities and are able to create business value.

In your new role you will:

- Be **responsible** for **Bare Die specific development topics for SiC MOSFET** as well as **IGBT and diode chips** for **automotive applications**
- **Contribute to the definition of our new chip products** through requirements gathering from internal and external customers
- Be **responsible** for the **physically and electrically dimensioning** of the **power chips** in Bare Die development projects
- **Define product specifications** as well as the creation of characterization plans
- **Analyse functional test** as well as **reliability and characterization results**
- **Participate** and **drive technical risk assessments** and **FMEAs**

### Profile

You are personally committed to the customer's concerns and award them a high priority. You remain aware of the big picture even in complex situations and take decisions despite uncertain circumstances. You commit yourself to the results of your team and the company as a whole. As a true team-player you coordinate your work with colleagues and regularly share your insights with them.

You are best equipped for this task if you have:

- A **degree in Physics, Electrical Engineering**, or a related technical field
- **At least 6 years of professional experience** in the area of **wafer technology, product development** or **application engineering**
- A **profound understanding** of the **interdependency of technology** and **product characteristics**
- **Solid theoretical and practical knowledge** in the field of **electrical chip development/power electronics** (Si/SiC technologies, MOSFETs, IGBTs and/or power diodes)

### At a glance

Location: **Munich (Germany)**  
Job ID: **351245**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **351245**  
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### Contact

**Dagny Alexa Romeike**  
Talent Attraction Manager



- **Business fluent English** language skills, **first German language skills** and/or the **willingness to learn German** would be a plus

## 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.

– **Automotive (ATV) shapes the future of mobility with micro-electronics enabling clean, safe and smart cars** –

Semiconductors are essential to realize key trends like eMobility, automated driving and secure, connected cars. Infineon **ATV** is the #1 semiconductor partner in the fast-changing automotive world, based on our system knowledge coupled with our passion for innovation and quality. We are a key driver in the ever-advancing pace of digitalization in the automotive industry.

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

**Automotive High Power: We Drive the Electrification of Cars**

*Our vision of the future is CO<sub>2</sub>-neutral and autonomous mobility, and that means electric cars. Infineon's role: our switches control the current from the battery to the consumers, whether a traction motor, a power steering system or an in-car USB charger. In fact, our products have a direct impact on the range, size, reliability and affordability of tomorrow's vehicles. Engineers at the Business Line Automotive High Power, which is part of the ATV division, draw on their deep customer understanding and system knowledge to create a winning portfolio. This approach has made the Business Line the market leader. Our people have the ambition to shape the future with innovation. We are a highly diverse and ambitious team striving to power society's move toward fully electric, CO<sub>2</sub>-neutral, autonomous mobility.*

**#PowerForElectromobility**

*\* 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.*

