



## Staff Engineer Technology Development High Power Devices (f/m/div)\*

### Job description

If you are interested in shaping the future of the market leader in power semiconductors – listen up! We are looking for a technology development engineer who will be driving innovations on technology, device and system level, shaping the next generations of High-Voltage Power MOSFETs as part of a global development team. Seize the opportunity for a change and truly work at the pulse of technology!

In your new role you will:

- **Develop new technologies in Si, SiC and GaN**
- **Help broadening our existing products development** of new voltage classes
- **Support the ramp up and yield learning phase** of new technology platforms together with the processintegration-group
- **Closely collaborate with PSS** production management, unit process and process integration engineers of FAB Villach
- **Develop new MOSFET generations**, define together with TCAD and application experts the features of the upcoming Generations
- **Define unit process requirements** along the Technology roadmap, together with unit process development engineers
- **Plan, coordinate and evaluate process experiments** including statistical DoEs and ensure process window
- **Implement improvement** regarding cost, yield and stability with change-management processes and/or technology projects

### Profile

You are best equipped for this task if you have:

- **A University degree in Electrical Engineering**, Material Sciences, Physics or comparable
- **More than 3 years' experience** in technology development or processintegration
- **Sound knowledge in the field of semiconductor process technology** and semiconductor device physics
- **Sound knowledge of statistics** and design of experiments
- **Experience in project management** would be an advantage
- **Knowledge of MOSFET technologies** and product portfolio of Infineon is an advantage

### At a glance

Location:

Job ID: **355572**

Start date: **as soon as possible**

Entry level: **3-5 years**

Type: **Full time**

Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **355572**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)

### Contact

**Melanie Happerger, MSc**  
Talent Attraction Manager



- **Excellent English communication skills** and ideally basic German skills and/or willingness to learn it

We offer competitive salaries and additional benefits based on your performance, experience and qualification. The employment is in accordance with the collective salary and wage agreement for employees of the electrical and electronics industry, employment group H (<https://www.feei.at/wp-content/uploads/2022/05/minimum-salaries-white-collar-workers-2022.pdf>). The monthly salary is paid 14 times p.a. We offer a higher compensation depending on your expertise and skills.

## Why Us

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

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

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

Infineon **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. Our leading-edge power devices make chargers, adapters, power tools 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. [Click here](#) for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs.

At **Infineon in Villach** you shape the technologies of tomorrow and work in an international environment with more than 3700 colleagues from over 65 nations. Your personal contribution will be valued and appreciated as the cornerstones of our success. And all that in beautiful surroundings which guarantee a high quality of life.

The **City of Villach** is located in the center of Carinthia, Austria’s southernmost province, in close proximity to the Italian and Slovenian border. Living in Austria has many social, health-care-related and economic perks. The country’s social and health care system is among the best in the world and for decades numerous international surveys have singled out Austria as a particularly safe and wealthy country with a high quality of life. Villach itself benefits from its status as a “small town”, offering everyday living at affordable prices in an outstanding setting.

### **Find out what you like most about Villach and join us:**

<https://www.welcome2villach.at/>

*\* 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.*

