



## Senior Principal | GaN Technology & Product Development (f/m/div)\*

### Job description

Do you want to contribute to a sustainable future by generating leading edge innovations, working in an expanding world-class technology development team with global footprint? Do you want to be a key player in the development of power devices which will revolutionize efficient use of electrical energy and which will enable Infineon to stay in the pole position in this rapidly growing market? Here is your chance!

In your new job you will:

- **Develop the next generation GaN power technology platforms**
- **Define the right products together with our business lines** which bring substantial value to customer
- **Lead an international team** combining highest technical expertise with advanced project management skills, ranging from device concept engineering, over process integration, reliability assessment and production ramp-up
- **Bring in your semiconductor device, process as well as integration experience**
- **Set up new process concepts** and take ownership for full process flow (**process integration**)
- Elaborate and integrate **advanced process and technology concepts**
- Participate in and **lead problem solving teams** using systematic 8D and 6sigma approaches
- Generate **Intellectual Property**
- Enable fast **volume ramp and yield learning** in our leading GaN processing line which is fully integrated into our high volume fab for power semiconductors

With this position you will be entering our „technical ladder“: our career path for experts. You will be able to focus deeply on technology – while further pursuing your career. As you continually expand your expert knowledge, puzzle over matters and solve problems, you will position yourself as a thought leader – thus helping our products improve our world a bit more each day.

### Profile

You describe yourself as an ambitious team player with outstanding technical and leadership expertise in semiconductor development and manufacturing. You use systematic approaches for straightforward problem solving. You like to use design-of-experiment methodology for fast and efficient learning cycles. You are strong in communication and in establishing networks in and around your working environment or are already part of our manufacturing or development teams. You are keen to develop your technical and social skills in the No.1 company for power semiconductors.

### At a glance

Location: **Villach (Austria)**  
Job ID: **317048**  
Start date: **immediately**  
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:

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### Contact

**Mag. Elisabeth Koestenbauer**  
Talent Attraction Manager



Your device and application knowledge as central assets will enable you to define the right products together with our business lines.

You are best equipped for this task if you have:

- A University Degree (master or above) in **Electrical Engineering, Physics, Material Science** or equivalent
- **10+ years of experience** in semiconductor device or technology development, process integration, or production (Si, SiC, or GaN)
- A clear **understanding how wide bandgap products create value in power applications**
- **GaN power device expertise** (ideally from pGaN normally-off HEMT concepts) in the field of GaN wafer technology and processing (preferably from an industrial environment)
- Knowledge about the **GaN/AlGaN/pGaN material system** and corresponding GaN-on-Si epitaxy processes; knowledge about GaN epitaxy on other substrates is also welcome
- **GaN reliability expertise** ranging from device and technology to package reliability assessment and qualification
- **Reference in (project-) management** of leading-edge **semiconductor platform technology development** or **production ramp experience** of high-volume semiconductor technologies (Si, SiC)
- Practice in **systematic problem solving techniques (8D, 6sigma) and FMEA**
- Excellent **English** language skills as a must, fluency in **German** as an advantage

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 K (<https://www.feei.at/leistungen/informations-service/mindestlohne-und-gehalter-2020>). The monthly salary is paid 14 times p.a. We offer a higher compensation depending on your expertise and skills.

