



## Principal Engineer Environmental Sensing Concepts (f/m/div)\*

### Job description

Are you familiar with the product development of sensors for consumer markets and keen to measure what matters? You like to shape environmental sensor products of the future and work together with leading experts in this field? Then we have an exciting opportunity for you! As Principal Engineer you will become part of our international team at our headquarter in Munich and be responsible for product development and system concept definition. 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 to improve our world a bit more each day.

In your new role you will:

- Be responsible for the **product development of environmental consumer sensors**
- Drive the **system concept definition** and **realization**
- Lead **characterization** and **verification of new sensors**
- Develop and optimize **sensor algorithms**
- Drive and **execute lab extensions**
- Be responsible for the **functional management of expert teams**

### Profile

As Principal Engineer Environmental Sensing Concepts you are able to quickly establish a successful cooperation, recognize and use different areas of expertise and clarify areas of responsibility. Furthermore, you concentrate your creativity and knowledge on producing results with real added value and push ideas to their full implementation. Thereby, you remain aware of the big picture even in complex situations and weight up opportunities and risks carefully in this context.

You are best equipped for this task if you have:

- A degree or PhD in **Physics, Electrical Engineering, Material Science** or a similar field
- At least **6 years of professional experience in the semiconductor industry**, **sensor experience** is a clear advantage
- Proven experience in **technical leadership** regarding **product development**
- Experience in **Python and MatLab**

### At a glance

Location:

Job ID: **357917**

Start date: **Oct 01, 2022**

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: **357917**  
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### Contact

**Jana Karger**

Talent Attraction Manager



- Good **networking, team and communication skills** with internal and external partners as well as a **strong hands-on mentality**
- Fluent **English** and **German** language skills

## 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.*

