



Electrical Hardware Engineer (f/m/div)*

Job description

Do you have solid experience in power electronics system design? Do you want to be part of a growing team in a growing market? Are you interested in innovative designs and looking for an opportunity where you can develop your expertise and challenge yourself? Then you came to the right place! In our Budapest office, our Industrial Power Control team is thrilled to hear all about your ingenious solutions. Here we give you the room to be excellent. Are you ready to start?

As our next **Electrical Hardware Engineer at Infineon Budapest** you will be focused on the design of power electronics reference systems, targeted at supporting our customers to make optimum use of our (especially new) products. You are expected to turn specifications into designs, validate concepts by simulation and implement architectures as circuits and PCB layouts. Moreover, you will program embedded software and create component and system test specifications, as well as user guides and application notes for your own contributions.

In your new role you will also:

- **Be responsible for the implementation of hardware** (schematics) and **embedded software of power electronics systems** (inverters, motor drives, chargers, switched mode power supplies, ...);
- **Create, support and implement innovative ideas** in the designed systems collaboratively;
- **Implement state-of-the-art digital functions** in support of condition monitoring for predictive maintenance.
- Specify **electrical and basic mechanical requirements for components** supplied by internal and external partners;
- Apply **Design-to-Cost and Design-to-Manufacturing practices**, in alignment with the project manager;
- **Validate system components** (hardware as well as embedded software), **create instructions** for validation of them;
- **Document your successful results** and regularly **share your best practices** and system / application knowledge within and beyond the project team;
- **Integrate the overall system and validate its performance** vs. the system specification, either on site or in collaboration with the project team.
- Create **system support packages** like e.g. a graphical user interface to control the system, utilities for performance measurements, user guides, application notes, and more;
- Collaborate with internal and external partners and suppliers;
- Take part in **DFMEAs**;

At a glance

Location: **Budapest (Hungary)**
Job ID: **338152**
Start date: **as soon as possible**
Entry level: **1-3 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: **338152**
www.infineon.com/jobs

Contact

Daniela Ferreira
Talent Attraction Manager



- **Provide technical guidance** and demonstrates active knowledge transfer and best practice sharing.

Profile

You are eager to take part in an early stage of Infineon products' development and can't wait to come up with innovative ideas for the designed systems that you will also implement. You are a result-oriented person with a problem-solving mindset, quality-oriented and self-motivated. Here at Infineon, we believe in the power of individuals proving their own ideas so allied to our excellent team, your hands-on experience and ability to work through ambiguities will lead us to success!

You are best equipped for this task if you have:

- A **University or College Degree** in **Electrical Engineering** or a related field;
- A solid **background in power electronics systems** from a **hardware perspective**, ideally combined with **control** and **embedded software experience**;
- **At least 3 years of experience** in **system simulation, design and validation** (inverters, chargers, motor drives, switched mode power supplies at power levels of 10's of kW and up);
- **Solid experience with at least one PCB designer** (schematics, circuit and test) software, preferable with **Altium**;
- Good **English** communication skills. German would be a plus.

Do you want to find out more about what we do?

You can find more information [Here!](#)

Please send us your CV in English.

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.

– Industrial Power Control (IPC) empowers a world of unlimited energy –

Power semiconductors play a crucial role in increasing efficiency and reducing energy losses along the whole energy conversion chain.

As the global leader in power semiconductors, Infineon **IPC** delivers leading products and solutions for smart and efficient energy generation, transmission and consumption. We strive to make this planet a greener place where sufficient energy is accessible to everyone – wherever and whenever they need it.

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

** 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.*

