

POWER ELECTRONICS ENGINEER INTERNSHIP (M/F/D)

PART-TIME/FULL-TIME

ABOUT EGSTON POWER ELECTRONICS

EGSTON Power Electronics is a young, fast-growing company in power electronics industry, focusing on the development and manufacturing of high-performance Power Hardware-in-the-Loop (PHIL) test and emulation platforms for power electronic systems. Based in Klosterneuburg on the northern outskirts of Vienna, we are an international team with a passion for cutting edge technology and dedication to developing innovative products, while continuously improving our expertise through active collaboration with our customers, suppliers and external research facilities.

JOB DESCRIPTION

As a power electronics engineer intern, you will have an opportunity to learn and work together with the R&D team to design, develop, and test power electronic products for EGSTON's existing and next generation PHIL systems.

YOUR RESPONSIBILITIES

- ✓ Assisting power electronics engineers in designing, developing, and testing of power electronic converters for EGSTON's existing and next generation PHIL systems.
- ✓ Supporting the implementation of power converter prototypes and products.
- ✓ Supporting technical documentation related to the specific technical analysis in the R&D process such as thermal analysis of the switching device, controller structure analysis, as well as MTBF calculations of critical components.
- ✓ Supporting technical documentation related to industrialization of the newly developed product such as production procedures, testing procedures, etc.

REQUIRED QUALIFICATIONS

- ✓ Currently pursuing a bachelor's degree in electrical engineering or equivalent.
- ✓ High interest in power electronics.
- ✓ Solution-oriented mindset and high appetite to learn something new.

REQUIRED SKILLS

- ✓ Experience in simulating various power electronics converter topologies with PLECS/Matlab/Simulink.
- ✓ Experience in analyzing and simulating analog and digital circuits.
- ✓ Deep theoretical knowledge of switching devices such as MOSFET, IGBT, SiC, and GaN.
- ✓ Knowledge of control theory and power quality
- ✓ Language: English (required), German (preferred).


NICE TO HAVE:

- ✓ Knowledge of PCB Design Software (Altium Designer preferred)
- ✓ Lab experience in power electronics research
- ✓ Experience in high voltage environment

WHAT WE OFFER

The salary will be well above the remuneration specified in the collective bargaining agreement for internships and amounts to at least EUR 30.000 (full-time; annual gross) for this position. The actual amount of your remuneration will depend on your qualifications and your experience and will be agreed upon individually.


Additional Benefits

 flexible working hours


 international team

 located at danube bike path

 homeoffice

 training and development


 supplementary insurance

 mobile for private use


 no dresscode


 free employee parking


 notebook for private use

 free coffee

 pool car

 team events

 staff shower

 meal allowance