

About MPS

Monolithic Power Systems, Inc. has emerged as the fastest-growing semiconductor company by developing superior products, providing excellent support, and aiding the world's largest companies with their product development. We are creative thinkers, we break boundaries. With over 3.400 employees worldwide, MPS's diverse product portfolio includes over 4,000 products ranging from power conversion systems, power modules, precision analog, μ Controllers, motor drivers, position sensors and many more.

Job summary

During the Internship as Hardware Testing and EMC Engineer, you will work with MPS Engineers at the Application and EMC-Laboratory at Ettenheim. You will be supporting the evaluation and validation of components and board design as well as working in test-standardization and EMC compliance testing.

Some of your responsibilities will include, but will not be limited to:

- IC validation and characterization, optimization and automatization of existing measurements and test concepts. Characterization of key product parameters using laboratory instruments (oscilloscope, spectrum analyzer, pattern generator...).
- PCB layout of evaluation boards, characterization/validation boards and system demonstrator.
- EMC performance testing.
- Data analysis, evaluation and presentation of measurement data.

The internship is composed of 3 pillars:

- Own project which is based on personal interests and skills of the Intern (60%)
- Integration into the daily working tasks of the engineers (25%)
- Organization, maintenance and administrative tasks at the laboratory (15%)

Qualifications

- Pursuing a Bachelor or Master Degree in Electrical Engineering, Computer Engineering, Electrical and Computer Engineering or related field.
- First experience in the space of switched mode power supplies, loads switches, linear regulator, motor drivers etc...
- First experience with EDA tools (OrCAD, KiCad etc ...)
- Proficiency with bench test equipment (i.e, power supplies, multimeters, oscilloscopes etc ...)
- Motivated, open minded, rigorous, out-of-the-box thinker.
- Able to work in teams and collaborate effectively with people in different functions.
- Fluent communication skills in English.

What we offer

- **Diverse Career Development & Promotion Opportunities**

We believe in adapting quickly and efficiently to the ever-changing face of consumer needs and this means that your job responsibilities will also be constantly evolving. Coming to work will never cease to be challenging!

- **Open Communication Culture**

We pride ourselves in our ethnic diversity. This means that you will be exposed to different ways of thinking and getting things done.

- **Leading & Advanced Technology**

Since we are the leaders in Power Solutions, you will learn from some of the most talented people in the industry.

Start: Q4/2025

Period: 6 months

Location: Ettenheim (MPS Germany GmbH, Gutenbergstrasse 4, D-77955 Ettenheim)

What to do?

If you are interested and would like to learn more about this opportunity, please send an email to Eujob@monolithicpower.com, mentioning:

- Name and Surname
- Degree (eg; MS in Electrical Engineering) expected graduation year
- Current university
- Formula Student Team (if applicable)