



INTERN - ELECTRICAL ENGINEER FOR DEVELOPMENT OF INNOVATIVE POWER TOOLS

Liechtenstein, Schaan

Reference No: WD-0002573

What's the role?

You will be working in a cross-functional team newly founded to develop highly innovative products for construction industry. You will investigate novel concepts of high power drives and the associated electronics for power tools and drive their optimization strongly contributing to further differentiate our tools from the competition.

Start date is flexible to the student's availability (ideally January 2021), duration of at least 6 months

Who is Hilti?

If you're new to the industry, you might not have heard of us. We provide leading-edge tools, technologies, software and services for the global construction sector. We have a proud heritage, built over 75 years, and a worldwide reputation for pioneering products and exceptional service.

With 30,000 people in more than 120 countries, which we're looking to expand, we're a great place for you to show us your worth, step up to new challenges and grow your career.

What does the role involve?

Your key assignment will be the analysis of a first prototype of a highly efficient DC/DC-converter in order to assess its efficiency, thermal behaviour, EMC as well accuracy and dynamic performance. Based on this profound testing potential improvements shall be derived and implemented in new design iterations. A crucial part will be development of an adequate simulation model which shall consider losses and the dynamic behaviour so as to be able to carry out system tests. Located in Schaan at our headquarters, you will closely cooperate with leading experts and suppliers in the field.

What do we offer?

We'll give you the tools you need to excel in your internship, including one-to-one coaching. You'll enjoy a rare combination of autonomy and camaraderie, as you'll manage your own project while being part of a friendly team.

You'll not just be another pair of hands but a fully integrated team member with lots of self-responsibility. From there, we'll trust you to do whatever it takes to deliver outstanding results. Go the extra mile and we'll reward you with strategic development discussions and career opportunities.

We'll support you even before you start with us through relocation and integration support. With the international interns community at Hilti you'll never be bored. Further, the snow-draped mountains, crystal-clear lakes and marvelous landscapes in the Happy Valley invite for lots of outdoor activities.

Why should you apply?

Are you passionate about power electronics and adept in designing ultra-high efficient topologies? Are you hung up on setting up and optimise a simulation model which perfectly matches the test results in practise? Have you pored over the various fancy resonant topologies and derived your own conclusions? If you like to think outside the box, are keen on driving interesting topics and wish to further develop yourself in an inspiring atmosphere then get into gears and submit your application. We are looking forward to getting to know you!

What you need is:

- Bachelor or Master student in Electrical Engineering or similar
- Profound knowledge of designing compact and high efficient power electronics
- Experience in doing laboratory work such as measurements, tests and prototype build-up is essential
- Adept in deploying simulation software such as Spice and Matlab/Simulink
- Passion for developing innovative solutions as part of an interdisciplinary, cross-functional team
- High personal standard of performance and drive for result
- Strong communication skills in English, German will be an asset

Please apply directly on:

<https://careers.hilti.li/en-li/jobs/intern-electrical-engineer-development-innovative-power-tools-0>

We take our time to get to know you. As part of your recruitment process, you'll get to talk to your internship coach as well as your HR Manager who both can answer some of your burning questions.

Hilti is an equal opportunity employer.