



## Design Engineer / Senior Design Engineer (Power Electronics)

Take your next career step at ABB with a global team that is energizing the transformation of society and industry to achieve a more productive, sustainable future.

At ABB, we have the clear goal of driving diversity and inclusion across all dimensions: gender, LGBTQ+, abilities, ethnicity and generations. Together, we are embarking on a journey where each and every one of us, individually and collectively, welcomes and celebrates individual differences.

We are looking for a Design Engineer or Senior Design Engineer at ABB Oy, System Drives division. Selected person will work in power electronics design group and will be located in Helsinki, Finland. Design group members are responsible for main circuit and power electronics design in various product development projects. In project organization you have possibility to act as a design engineer or chief engineer, depending on your earlier experience.

We offer you a challenging position in an international working environment. You will work with world-class technology in demanding product development projects as a part of highly skilled team. In addition, you have opportunity to further your career in a global company.

### Your responsibilities

- Dimensioning and designing the main circuit and power electronics of frequency converters
- Specifying verification tests and analyzing results
- Creating design documentation
- Research of new components and topologies
- Co-operating with subcontractors
- Working as a part of product development project

### Your background

- M.Sc. in power electronics or a related field
- Knowledge and design experience of electrical drives' main circuit components
- Experience in product development of power electronics

Experience in simulation and knowledge of circuit simulation software

Good written and spoken communication skills in English, Finnish is seen as an advantage

Ideally, you have knowledge of industrial electrical installations, wind turbine drivetrains, medium voltage drives, fuel cells and/or DC grids

Experience in phenomena related to electromagnetic compliance (EMC) is a benefit

Knowledge of gate driver design is beneficial

## More about us

ABB System Drives is a global supplier of high-power, high-performance drives, drive systems and packages for industrial processes and large infrastructure applications. With our industry leading technology and global support, we help our customers, partners and equipment manufacturers with asset reliability, performance improvement and energy efficiency in mission critical applications. Our people and culture are the foundation of our success. We all together make the difference for our customers every day.

In Finland, ABB has about 5000 employees, making it one of the biggest industrial employers in the country. ABB Finland serves its customers in over 20 locations and has production sites in Helsinki, Vaasa, Porvoo and Hamina. As a global company, we're also able to offer international job opportunities.

For more information contact Design Manager Tommi Liukko, tel. +358 50 3323 931.

Interested in joining the crew? Please apply for the position by April 3, 2022. We look forward to receiving your application (documents submitted in English are appreciated). If you want to discover more about ABB, take another look at our website [www.abb.com](http://www.abb.com).

#LI-Hybrid

Location	Helsinki,Finland
Division	System Drives
Publication Start Date	18.03.2022
Job Function	Research and Development
Publication ID	FI81710023_E1