

# R&D Engineer Power Electronic Converter Design

<b>Location:</b>	Västerås, Vaestmanland County, Sweden
<b>Job Function:</b>	Research and Development
<b>Employment Contract Type:</b>	Regular/Permanent, Full-Time
<b>Publication Start Date:</b>	15.05.2011
<b>Deadline for applications:</b>	15.06.2011
<b>Division:</b>	Power Systems
<b>Job Reference Code:</b>	NB50714699-eeeg

*ABB ([www.abb.com](http://www.abb.com)) is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 117,000 people.*

**General Information:** You will be a part of ABB FACTS in Västerås – a part of the division Power Systems. FACTS is a joint name for a group technical solutions that increases safety, capacity and flexibility within power transmission systems. Our plants thus make it possible for grid owners to transmit higher effect in their existing grids. Our clients are power companies, railway companies and larger industries all over the world. And almost 100 percent of our plants are exported. At FACTS in Västerås, we are today approximately 240 people with competences in areas such as marketing, sales, project management, technical construction and site work.

**Tasks:** Do you want to be a part of R&D projects in early phases of the development process? As our new R&D Engineer within Power Electronic Converter Design, a focus area for FACTS, you will primarily be involved in the conceptual stages, but also all the way to production – in collaboration with other ABB units where the production is performed. You will work with design of power electronic converters and valves, cooling issues and semiconductor devices in various development projects. You will also plan and participate in testing in our new power electronics lab. And you will shoulder responsibility for work packages or projects of differing sizes. In your position you will collaborate with other various competences in project groups and you will get the opportunity to keep in touch with other ABB units all over the world, as well as with Corporate Research and universities. In this position, you will be able to pursue a career – be it a career as specialist or as manager.

**Requirements:** You either have an MSc or a PhD in Power Engineering or Power Electronics. To this, you add some years' experience of electrical design of power converters and/or electric drives for such areas as grid applications, traction or industrial applications. It is highly qualifying if you have previous experience from product development in the power electronics area. You have great communication skills. You can rise to the occasion and take charge as Project Manager for certain R&D projects. As an R&D Engineer you need to be

creative and think outside the box. Equally important is your ability to work independently and to initiate problem solving. As a part of our multicultural environment, you must also be open and interested in meeting people from various cultural backgrounds.

**Additional Information:** Ambra Sannino, R&D Manager, 021-32 31 85, will answer your questions on the position. Union representatives – Sveriges Ingenjörer: Henrik Säfström, 021-32 40 62, Unionen: Ingrid Rinaldo, 021-32 48 19. Any other questions can be directed to recruitment consultant Eva Björklund, 021-32 53 47. Welcome to apply!