ABB (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 150,000 people.

Basic Function: Perform industrialization activities for new products. Position will require performing the following tasks (but not limited to): Part/Product design review, detailed cost analysis for part and processes, make or buy decisions, strategic production layout, cycle/takt time studies, strategic sourcing decisions, DFM/DFA/DFX analysis and component standardization.

Your responsibilities

Typical duties/responsibilities for engineering may include, but are not limited to, the following:

Take role in the development processes of new products and perform design reviews. Perform detailed costing studies on parts to analyze the cost breakdown. Assist Supply Chain Management in make or buy decisions and other strategic procurement activities.

Perform manufacturing process analysis. Maintain and grow knowledge in newest manufacturing methods and utilize in industrialization analysis. Provide technical leadership and guidance within the industrialization group and to other resources.

Perform DFM/DFA/DFX on new and existing products and prepare reports. Invest in product knowledge and production activities by analyzing production tasks on the production line. Focus on part standardization. Prepare assembly and other technical work instructions. Lead prototyping activities.

Resolve and provide guidance to technical issues for products in manufacturing. Interface with other ABB development partners and non-ABB contractors for creation of key components for Medium Voltage Switchgear and Outdoor products (Circuit breakers, Padmount Switchgear and Reclosers).

Coordinate technology transfer to manufacturing operations. Help execute Engineering Change Requests and lead the resolution efforts. Assess and review materials requirements and specifications and provide technical direction or consultation. Seek innovative materials that improve reliability, performance and reduce costs.
Complexity of Tasks: Assignments require application of standard engineering concepts, familiarization with related computer programs, and general understanding of the group's operations in order to provide effective engineering support. Requires ability to communicate effectively and resolve routine problems.

Your background

Basic Qualifications:

Bachelor’s degree in Mechanical or Industrial Engineering. 0-2 years experience in engineering environment. Strong mechanical aptitude and problem solving skills. Proficiency and working knowledge in MS Office tools (Excel, in particular). Self-starter and result-driven character.

Preferred qualifications:

Prefer SmarTeam experience, working knowledge of basic SAP functionalities (Material masters, BOMs, Routings), working knowledge of project management skills, proficient in application of power apparatus in power distribution systems, ability to create concepts for next generation products and systems. Low to Mid level proficiency in Solidworks and AUTOCAD

More about us

Job posting dates may be modified based on manager discretion.

ABB is an Equal Opportunity and Affirmative Action Employer encouraging diversity in the workplace. All qualified applicants will receive consideration for employment without regard to their race, creed, color, ancestry, religion, sex, national origin, citizen status, age, sexual orientation, disability, marital status, family medical leave status, and/or disabled or protected veterans status.

As an Affirmative Action Employer, applicants may request to review the Affirmative Action Plan of a particular ABB facility between the hours of 9:00 A.M. - 5:00 P.M. EST Monday through Friday by contacting an ABB HR Representative at 1-888-694-7762.

Disabled veterans and qualified individuals with a disability may request a reasonable accommodation if you are unable or limited in your ability to use or access ABB's career site as a result of your disability. You may request reasonable accommodations by calling an ABB HR Representative at 1-888-694-7762 or by sending an email to myhrsmart@us.abb.com.

Thanks for your interest in ABB!

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