

Pune (Hinjawadi)

## Senior Simulation Engineer - Drives systems

As a successful family-owned company on a path to global growth, the Brose Group offers challenging responsibilities and exciting career opportunities to performance-driven, skilled specialists with solid professional knowledge and proven career expertise who wish to contribute to our company's success.

### Your Job Specification

- To perform Structural, Dynamics, Optimization and Thermal simulations for Drives product-line assemblies, sub-assemblies, motors, cooling fan modules and/or various Drives products using Ansys workbench software. Deliver results with quality and in time
- Responsible for performing start-to-end simulations inside Ansys workbench – Structural, Thermal, Optimisation module
- Responsible for collecting input data, clarifying the scope of work, discussion of boundary conditions, results within various interfaces (interfaces described on next page) Communication, setting up meetings and explaining results to the requesters
- Responsible for building, establishing and modifying simulation methods/best practices for Structural, Thermal, Optimisation simulations
- Apart from normal simulation, responsible for proposing modifications to the design/process based on simulation results and practical conditions. Make recommendations and implements actions involving complex product development engineering problems, including those that apply to unconventional integrated systems
- Do periodic knowledge sharing on best practices
- Responsible for best practice documentation, lesson learnt, time sheets, project updates, assigning out of office deputy and other routine activities directed by supervisor
- Support the supervisor in cases where stretched efforts needed to support business needs

### Your Profile

- Bachelors or Master degree in Mechanical/Thermal/Structural/Civil/Materials/Machine Design engineering with 4 & above yrs. of industry experience mainly in Structural Nonlinear and Dynamic simulations
- Extended knowhow and knowledge in Dynamics Structural Simulation e.g. Modal, Harmonic, Transient, PSD and Thermal Simulation will be required
- Ansys APDL and Automation scripting knowledge will be preferred
- Hands of experience on Knowledge on Multi physics simulation is required
- Hands of experience on Ansys Thermal module and Optimization module will be preferable
- Good understanding of mechanical engineering fundamentals, hand calculations, structural dynamics

In the Brose Group More than 24,000 employees in 23 countries are engaged in the development and production of mechatronic components and systems for doors and seats as well as electric motors in vehicles.

Our mechatronic systems for doors, seats or electric motors and drives can be found in every second new vehicle around the world today.

- Should possess excellent verbal and written communication skills
- Should demonstrate initiative and flexibility

Brose offers a modern working environment and a wide range of benefits. Our employees are benefited with attractive social and family-oriented programs. Flexible working hours and a collaborative work environment give our employees the freedom to balance work and personal life. Brose believes in investing in people. We offer a wide range of development programs with great opportunity for individual growth through training and diversity of experience. Our objective is to provide our employees the tools necessary to live a balanced life, experience a rewarding work environment and contribute to our surrounding communities.