

Technical Staff Engineer-Electro/Mech Technical Expert

Salary: 90k-150k, Bonus 10%+

Develop and implement system/component strategies, technology roadmaps, and product life cycle plans for electro-mechanical control/s expertise across the vehicle portfolio, including modularity/complexity strategies that support the cross-functional needs of the business

Develop and document best practices using standardized processes and tools: Benchmarking; design & simulation guidelines; DFMEA & DVP&R templates; drawing templates; critical path planning templates and general knowledge management for assigned design control/s expertise that enable new product & current product development success

Support new product, current product, and PAC development efforts for assigned design control/s expertise through the M9 design review process and expert technical guidance to enable world class designs

Support world class system group results through relentless continuous improvement, professional & technical growth, peer collaboration, and team focused participation

Collaboration & Teamwork

Serves as primary technical expert for electric motors, actuators, and electro-mechanical components & systems – leveraging collaborative support from Core Electrical System Group peers

Willingly works with others up, down, and across the organization to get results

Helps others understand the importance of their work in order to gain support and buy-in

Reaches out to all relevant stakeholders before making a decision

Communication

Communicates openly

Good internal consulting skills

Actively listens and seeks others opinions

Focuses on facts and process, not the person

Shares information honestly and transparently

Relevant Education:

Position requires a Bachelors Degree in Engineering or related field. Masters degree is preferred (technical)

Relevant Experience:

Position requires a minimum of eight (8) years of relevant experience. Please see the supplemental field for additional requirements

The following is also required:

Extensive hands-on experience in the design and validation of electric motors & actuators with a strong working knowledge of supplemental electro-mechanical components/systems

Proven ability to develop component and system design requirements of electric motors, actuators, & general electro-mechanical components to meet application needs and judging the appropriateness of selected technologies and design direction to meeting requirements

Demonstrated track record of successfully delivering high-quality designs that meet/exceed their quality, cost and performance objectives

Has executed clean sheet drawing datum structures and dimensioning schemes and has conducted multiple part/system tolerance stacks using both straight and RSS stack up methods. Understands general inspection methods and how GD&T callouts can communicate functionality, feature importance and/or drive cost

Highly skilled at managing functional tradeoffs between components and optimizing designs