EMC Design and Test Engineer

Job Description
Overview:
This role performs the function as an individual contributor; that is dovetailed within the project team to gain synergies in EMC testing, quoting, compliance, customer interface, TIR closure and design consulting. The EMC Design and Test Engineer is a technical specialist for important Conti projects that require EMC expertise. He/she holds special knowledge for EMC compliance across multiple projects (programs). He/she is a source for new ideas and solutions in his/her expert field, works on innovations for existing products and processes, creates and approves technical specifications and manages proper implementation. He/she consults for teams as well as multiple projects and provides guidance and training to other engineers or team members. Responsible to develop new and innovative solutions in regards to changing customer specifications and standards. He/she develops design solutions and see’s them through implementation while ensuring they are cost effective, easy to manufacture and robust. Further, he/she assists the project teams with advanced product design solutions that may have inherent risk and difficult implementation.

Core Responsibilities:

• Provide EMC Design expertise (consulting) to meet design and customer requirements and Technical Customer Support and Enabling Services.
• Support potential new business by providing technical responses on RFP’s and RFQ's.
• Co-develops and approves very complex test specifications so that the product can be considered robust in the field.
• Develops very complex EMC design, development, testing and circuit modifications; leading to robust solutions. Guides explanations and clarifies information to enable proper interpretation and evaluation of very complex specifications, performance characteristics or other technical data.
• Guides communication of very complex technical solutions/problems and addresses them to avoid conflict and commercial issues. Develops recommendations for very complex new designs, new processes, or design changes to meet requirements.
• Identifies and manages issues that arises in testing and assists with the management and mitigation of the product.
• Interfaces at various levels of the local BUs as well as the external customers to achieve concurrence on test models/plans and test results to determine if Continental products meet validation requirements.
• Essential Functions: 100%
• No reporting responsibility.
• Manages complex projects and leads project organization, definition, planning, implementation and control.
• Leads cross-functional, cross organizational initiatives to develop the most complex specifications reflecting internal and external customer requirements as well as changing industry standards.
• Collaborates globally to ensure maximum reuse of process and procedures within the Quality Labs EMC organization.
• Leads special problem solving and improvement teams, focused on finding root causes, corrective actions, and robustness/durability requirements before launching new products.
• Applies advanced skills to resolve complex problems not covered by existing procedures or practices independently.
• Displays a high level of critical thinking; in bringing successful resolution to high-impact, complex, and/or cross-functional problems.

*Job Requirements
Required Qualifications:
- Bachelors of Science of Electrical Engineering
- 2 years of professional engineering experience,
- Technical Knowledge: Capable of advanced abilities and knowledge in practices and techniques gained through experience and exposure to complex and diverse techniques, theories, and principles.
- Problem Solving: Capable of careful analysis of the different possible courses of action and then selecting the best solution for implementation.
- Research and Development: Capable of critical analysis, evaluation and synthesis of new and complex ideas. Lead in executing collaborative research projects in cooperation with colleagues and project partners.
- Analysis / Synthesis: Capable of identifying a set of features, parameters, or considerations to take into account, in analyzing a situation or making a decision
- Project Management: Capable of demonstrating advanced understanding of Project Management, Service Management, or Relationship Management principles.

Preferred Qualifications:
- 7 years of professional engineering experience.

Visa Sponsorship is not available for this role.

About Continental

With sales of €39.2 billion in 2015, Continental is among the leading automotive suppliers worldwide and currently employs more than 212,000 employees in 55 countries. The Automotive Group with its three divisions Chassis & Safety (sales of approx. €7.3 billion in 2013, roughly 36,500 employees), Powertrain (sales of approx. €6.3 billion in 2013, roughly 32,400 employees) and Interior (sales of approx. €6.6 billion in 2013, roughly 34,400 employees) achieved sales of approximately €20 billion in 2013. The Automotive Group is present in more than 170 locations worldwide. As a partner to the automotive and commercial vehicle industry, it develops and produces innovative products and systems for a modern automotive future in which cars provide individual mobility and driving pleasure consistent with driving safety, environmental responsibility, and cost-efficiency.

Position Location: Troy, MI

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Human Relations

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