



Example of Lead Controls Engineer Job Description

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Our growing company is looking for a lead controls engineer. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for lead controls engineer

- Lead the development of new or modification of existing machine vision and inspection system hardware and software
 - Develop and apply advanced control technologies to plant applications
 - Drive strong sense of ownership, accountability and urgency within the team in meeting critical business metrics, including Process Change Orders, On Time Deliverables, Drawings revisions, Request For Info, Power Answer Center (PAC), Customer Issue Resolution, Safety, Quality Management System, Compliance and on time plant commercial operations, working in Agile project tools
 - Utilize knowledge of systems and control to produce the necessary outcome for a client, assist in providing instructions that help the client better understand the nature and applications of the specific products and solutions
 - Defining functional and safety requirements
 - Defining conceptual design
 - Designing and developing of embedded system software and control algorithms
 - Integration verification and validation processes
 - Working with team members and engineering manager to estimate development, resources and timing to achieve the desired results
 - Collaborating with global, new product development teams from initial conception through each of the design and development phases up to and including certification and product launch for various application in automotive domain
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- Large-scale cross functional project team management experience (preferred)
- Plastic materials knowledge, including selection, processing and part design
- Defining embedded system level and algorithm requirements to meet product performance and reliability requirements
- Using debugging and simulation tools to efficiently perform design iterations and optimization
- Master Degree in Mechanical or Electrical Engineering discipline
- Degree Qualified, or equivalent, in an Engineering Discipline ideally with a software content