

Integration Engineer

Description

We are seeking a minimum two year commitment from an exceptional and experienced automotive professional to ensure, throughout vehicle development, the virtual and physical integration of systems and the validation of performance – coherent with the targets agreed for the vehicle architecture. The role will require a close working relationship with the venture's Technical Director and the engineering team, along with the Supply Chain Associate and future manufacturing, procurement and logistics teams as well as various vendors. Specific duties include, but are not limited to:

Technical Development

- 1** Establish vehicle and system technical performance requirements with engineering teams.
- 2** Ensure validation tests and test reports are completed in accordance with program timelines.
- 3** Determine performance status, gaps to performance requirements and action plans to achieve requirements within program timing and design constraints.
- 4** Interact, integrate and drive results across cross-functional teams in engineering, supply chain, executive leadership and with suppliers.
- 5** Communicate periodic status and achievement plans to teammates and leaders.
- 6** Use analytical, benchmark or vehicle development tools / methods, as appropriate.
- 7** Author evaluation reports, program status reports, issue resolution tracking reports.
- 8** Create and execute timing, development and validation plans.
- 9** Work with Marketing to develop Product definition and manage the vehicle optional content.
- 10** Create and maintain Vehicle Technical Specifications outlining vehicle performance.
- 11** Work with engineering teams to create and maintain Subsystem Technical Specification.
- 12** Manage and Track vehicle mass roll up and BOM cost roll up.
- 13** Participate in and lead vehicle program integration team meetings.
- 14** Participate in program packaging team meetings when necessary.
- 15** Support program milestone reviews and provide clear program direction and status.
- 16** Coordinate and manage all virtual system information into a central master model.
- 17** Guarantee the completeness of vehicle content and the relevant documentation for internal and government vehicle approval.
- 18** Support product and process cost reduction activity or improvement initiatives throughout product lifecycle.
- 19** Participate in in-vehicle physical testing, evaluation and demonstration.
- 20** Understand laboratory and vehicle test procedures to determine system performance and interactions.

Qualifications

An ideal candidate should combine outstanding technical skills in engineering and operations management with excellent interpersonal and communication skills to work effectively with a multidisciplinary team. They should possess a strong skill set in leading multi-function teams and developing, integrating and validating full vehicle content - within the automotive industry. They should be rigorous, pragmatic and on-the-ground solution focussed – not overly academic.

Required

- Bachelor degree (minimum) in Mechanical Engineering, Industrial Engineering, Mechatronic Engineering or similar
- 5+ years related experience in full live-cycle automotive product design/development engineering, from involvement concept phases through successful product launch and start of serial production
- Exceptional leadership and clear sense of direction
- Extreme patience and a good sense of humour
- Excellent oral and written communication skills
- Excellent interpersonal skills to build strong rapport with others
- Exceptional integrity and a strong sense of ethics
- Exceptional persistence and endurance to overcome significant challenges
- Excellent problem solving ability in cross-functional and multi-cultural environment; able to define problems, collect relevant data, extract meaning from data, and draw valid conclusions
- Exceptional analytical skills with regards to logistics analysis, data manipulation, and the ability to create information from data
- Ability to effectively communicate timelines and project progress with both internal and external management teams
- High sense of drive and urgency in achieving our vision
- Ability to adapt to a dynamic working environment and work within a diverse team
- A start-up personality; entrepreneurial, ambitious, independent, systematic attention to detail, structured thinker, goal-oriented, flexible and able to deal well with setbacks

Desired

- Masters degree (or higher) in Mechanical Engineering, Industrial Engineering, Mechatronic Engineering or similar
- 10+ years related experience in creating, reviewing, interpreting and approving the vehicle requirements and their relation to the engineering BOM
- Lean Six Sigma Certification
- Fluency in Kiswahili (the national language of Kenya)