

# Body & Interiors Engineer

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## Description

Mobius Motors designs, manufactures, and sells highly durable, highly affordable vehicles for Africa's mass market. Our vehicles create a transport platform that empowers local entrepreneurs to run profitable transportation services to end-users in their communities.

The Body & Interiors Engineer will work together with selected engineering partners and suppliers to design, develop and deliver to production the respective complete body & interiors system and components whilst ensuring adherence to the required quality, cost, weight and function targets. The role will require a close working relationship with the Technical, Production and Supply Chain teams. Specific duties include:

- 1** Support the development of the exterior & interior body system (including but not limited to body Monocoque design, exterior panels, fixtures, chassis frame) through requirements definition, component selection and detailed design.
- 2** Track and report on quality, cost, weight and function targets for the Body and Interior components.
- 3** Ensure robust design process is carried out on component designs by executing required DFMEA's on relevant systems.
- 4** Ensure release and accurate maintenance of all applicable CAD drawings for the body and interior components through structured design review and engineering change approval process.
- 5** Work with supply chain team to liaise with suppliers on selected designs and ensure required design goals and functionality.
- 6** Work with test engineer to ensure all Body & Interior components and systems are adequately functionally verified.
- 7** Work with supply and production teams to review body & interior systems suitability for local manufacture or integration at local assembly facility.
- 8** Work with Product Quality Engineer to support or lead root cause analysis on product quality issues affecting the body & interior components.
- 9** Support product and process cost reduction activity or improvement initiatives throughout product lifecycle.

## Qualifications

An ideal candidate should combine outstanding technical skills in mechanical engineering and with excellent interpersonal and communication skills to work effectively with a multidisciplinary team. They should possess a strong skill set in leading required projects from start to completion, interfacing with others including internal and external teams and partners. Experience within automotive industry

### *Required*

- Bachelor degree (minimum) in Mechanical Engineering, Industrial Engineering, Mechatronic Engineering or similar
- Minimum 2 years related experience in mechanical engineering – preferably with a major automotive company
- Strong 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
- Strong knowledge of mechanical, pneumatic, hydraulic systems and components
- Proficient in 3D product design tools like CATIA, Solidworks
- Ability to adapt to a dynamic working environment and work within a diverse team
- Extreme patience and a good sense of humour
- Excellent oral and written communication skills
- Exceptional analytical skills with regards to analysing data, 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
- Strong knowledge of mechanical, pneumatic, hydraulic systems and components
- High sense of drive and urgency in achieving our vision
- Ability to adapt to a dynamic working environment and work within a diverse team

### *Desired*

- Fluency in Kiswahili (the national language of Kenya)
- Knowledge of automotive interiors process
- Knowledge of materials for automotive manufacture including composites
- Functional understanding of composites manufacturing, processing and tooling practices