

## WBS EMB\_Mechanical Engineer

### Your tasks

The Engineer Mechanical Design specifies the assigned components, develops its physical architecture / engineering Bill of Material (eBOM), performs relevant calculations and analyses and defines a robust and feasible component and assembly design.

### Your profile

- Completed studies in mechanical engineering or a comparable field
- Several years of experience in the automotive supplier industry, particularly in conducting tests of mechatronic products

### Our offer

- Perform stakeholder requirement specification analysis
- Evaluate feasibility of the component design relevant stakeholder request
- Analyze and refine stakeholder requirements and manufacturing feasibility relevant requirements
- Create requirement specifications for components
- Ensure traceability of ME requirements
- 'Develop engineering bill of material (eBOM) according to the requirements
- Decompose assembly groups into components
- 'Create models to simulate the function and behavior of the ME (sub-) systems and their building blocks acc. to the architecture (incl. mech. interfaces)
- Perform ME component calculations and analyses
- Define and initiate engineering tests
- Consolidate the results together with engineering test results and further simulation results (e.g. stress simulations)
- Document the results by creating a ME component calculation and analysis report
- 'Support Industrial Engineering to analyze manufacturing feasibility
- 'Prepare, freeze and review work products
- Evaluate maturity of the design and conclude by a release recommendation
- Contribute to the creation of usage restrictions and action plans (in case needed)
- 'Contribute to all activities at the technical interface with built-to-print component suppliers
- Provide design specification to built-to-print suppliers and support their feasibility analysis
- Contribute to Supplier Component Reviews (SCR)
- Identify and analyze Technical Risks for the ME components, contribute to DFMEA
- Support FMEA of other disciplines (Design FMEA System, Process



Job ID  
**REF8643H**

Location  
**Shanghai**

Leadership level  
**Leading Self**

Legal Entity  
**AUMOVIO Holding China Co., Ltd.**

FMEA)

- Contribute to structured problem solving and/or lead related activities
- Identify and analyze Special Characteristics

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