



POSITION DESCRIPTION

JOB TITLE	Electrical Systems Engineer
REPORTING TO	Electrical Team Leader
POSITION SUMMARY	<ul style="list-style-type: none">• An Experienced Engineer responsible for the delivery of EDS designs and component drawings (Schematics & associated sub-systems) within the electrical team• Proactive, enthusiastic personality that must take full ownership of the delivery of designs and drawings to requirements and all issues related to that delivery.
ESSENTIAL DUTIES & RESPONSIBILITIES	<ul style="list-style-type: none">• Engineering and design responsibility for Hybrid vehicle systems to include one or more of the following:<ul style="list-style-type: none">○ EDS• Responsibilities include but are not limited to:<ul style="list-style-type: none">○ Requirements capture○ Concept development○ Design calculations and analysis○ FMEA creation and update○ DVP creation○ Root cause analysis• Represent Systems and Sub-systems in engineering and management reviews (report progress against key activities, identify risks/shortfalls and recommend resolutions)• Set best practice for component and system design utilizing industry standard tools and techniques.• Hands on approach required to support the engineering team's key tasks in times of peak workload.
EDUCATION, SPECIALIZED TRAINING & EXPERIENCE REQUIRED	<p>Educated to degree level in a relevant Engineering subject. The candidate should be able to demonstrate the following experience.</p> <p><u>Essential</u></p> <ul style="list-style-type: none">• Well versed in standard automotive product development tools and techniques.• Proven history of delivery of vehicle systems from concept to launch

(preferably in a powertrain environment) to include the specification of systems and components.

- Detailed experience in the use and correct application of the following tools and techniques:
 - FMEA
 - FE analysis.
 - DVP
 - VAVE
- Experience in managing multiple projects for engineering and/or external suppliers
- EMI/EMC
- 12V charging systems

Preferred

- HEV/EV design and development experience / knowledge of main components.
- Experience in the following tools and processes:
 - AutoCAD LT
 - VeSys or similar Schematic CAD Tool
 - Microsoft Visio