

JOB ADVERTISEMENT	
JOB TITLE	Electrical Engineer
DEPARTMENT	Engineering
REPORTING TO	Chief Engineer
OCCUPATIONAL LEVEL	Professionally Qualified & experienced specialists/mid-management
EMPLOYMENT	Permanent
COMMENCEMENT DATE	01 April 2017
OTHER	Availability to travel abroad from time to time

BRIEF
The Electrical Engineer is responsible for executing all electrical design activities and to manage external suppliers and subcontractors in order to comply with the requirements of the RFO.
KEY RESPONSIBILITIES & ACCOUNTABILITIES
1. Installation, integration of electrical and electronic architecture
2. Power budget – batteries, silent watch etc
3. Interface between C3I and other systems (e.g. turret) and other sub systems such as the ACU. This includes the specification and design of all electrical interfaces.
4. Vehicle Management System, consisting of HUMS and Vehicle Control System
5. EMI, EMC and NNMP design activities
6. Create from the concept a detail design with cable lengths, sizes, specification, pin numbers, wire details, using CAD systems
7. Electrical calculations to establish power budgets and components sizes, necessary to achieve the design specification
8. Creating fault finding diagrams
9. Responsible for all electrical engineering activities, that is design, development, simulation and testing (in consultation with the relevant team leaders where applicable)
10. Coordinate BoM creation for serial data components for prototype builds to allow S/W updates
11. Perform programming if and when required
OTHER DUTIES
1. Attend design reviews internally and externally with the client, meeting people, representing ADGM with authority, and make technical decisions.
2. Assist ILS with repair, maintenance and other information required.
3. Sit with the mechanical designers to ensure cable routings and integration is possible.
4. Production support, capturing of red-line drawings during the building and prototype phase

EXPERIENCE	
1. 8 – 10 years relative Electrical Engineering experience in an Automotive field.	
2. Previous experience in the military vehicle environment would be greatly advantageous.	
SOFTWARE CAPABILITY	
1. NX11 (Unigraphics) preferred or relevant CAD Package	
2. Siemens Teamcentre 11 or relevant PDM system	
3. Microsoft Office	
QUALIFICATIONS	
1. (Post-) Graduate Degree in Electrical Engineering, or	
2. B-Tech Degree in Electrical Engineering	
3. Other 'nice to have' soos by Stelsel Eng sertifikaat	
OTHER REQUIREMENTS	
1. A team player who is willing to assist the team on various aspects of the project if required	
2. Innovative thinker	
3. Ability to rapidly adapt to changing environment and requirements	
4. Passionate, self-driven individual	
APPLICATION	
Submit CV and supporting documents via e-mail on or before the closing date. We look forward to reviewing your application.	
CLOSING DATE	17 March 2017
SUBMISSION ADDRESS	melanie@adgm.co.za
REFERENCE (use in subject line)	Electrical Engineer March 2017
FOR ATTENTION	The HR Manager
ADG Mobility (Pty) Ltd reserves the right to withdraw the vacancy at any time for whatever reason. Correspondence will only be entered into with shortlisted candidates. Should you not receive any feedback within one month, please consider your application as unsuccessful.	