



Job Title:	Electrical Engineer/Aircraft Group	Job Category:	Engineering
Department/Group:	Engineering	Job Code/ Req#:	00000102
Location:	Testek	Travel Required:	Up to 20%
Level/Salary Range:		Position Type:	Full Time/Salaried
HR Contact:	Kristin Kefalas	Date Posted:	Updated 3/20/20

Job Details

Job Description:

The Electrical Engineer/Aircraft Group will be responsible for supporting all electrical design functions related to Aerospace Test equipment by designing electrical equipment to test aircraft controls and avionics.

Job Responsibilities:

- Create electrical schematics, analyzing prints, troubleshooting and debugging electrical machine controls, and component selection.
- Create electrical schematics from customer specifications using AutoCAD including new schematics, updating schematics and updating schematics per assembly red-lines
- Create accurate BOMs corresponding to electrical schematics
- Support all electrical design functions related to Aerospace Test equipment
- The engineer must be able to follow all company processes, check lists, and support the development of standardized design platforms
- Interpret customer specifications and Scope of Work documentation to design a system that meets all customer requirements
- Work directly with the Project Engineer and his design team members
- Follow all company processes, check lists, and support the development of standardized design platforms
- Assist electrical technicians in the construction of electrical equipment

Requirements:

- BSEE degree
- 5-Plus years of experience with AutoCAD
- Must have a minimum of 7 years' experience in Electrical Engineering
- Experience with the following:
 - Different types of Servo Drives and Variable Frequency Drives
 - Specifying and sizing electrical parts based on calculations, customer specifications, and engineering principals



- Hardware design such as panel layout or industrial controls required using AutoCAD
- AC and DC power and control
- Designing and debugging Data Acquisition systems
- Selection and implementation of PC's and PLC's for controlling and recording data for industrial test machines
- Power-up, Debug, and Calibration of Aerospace or Automotive Test Systems
- MS Word & Excel is required
- 2-4 Years PLC and HMI programming experience using Siemens, Rockwell, or Automation Direct platforms
- Knowledge of US and International electrical codes (NEC and IEC)
- Must have strong communication skills including the ability to read, write, and understand English
- Excellent communication skills both written and verbal
- Travel up to 20%
- US Green-Card / US Citizenship required

Preferred: