



Aircraft component OEMs, MRO facilities and operators depend on Testek Solutions for highly reliable aerospace test equipment to certify hydraulics, power generation, avionics, fuel, lube, actuator, and pneumatic components. With a 50-year track record of success, Testek uniquely holds long-term OEM partnerships, provides the industry's leading equipment warranty, and support from a dedicated worldwide team.

We are actively seeking a **Sr. Electrical Engineer/Aircraft Group** and the sky is the limit with Testek Solutions! Work with a worldwide dedicated team and 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
- 8-Plus years of experience with AutoCAD
- Must have a minimum of 8 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
- 3-5 years of 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
- **US Green-Card / US Citizenship required**

Testek Solutions requires all new hires submit and pass a pre-employment drug screen, credit check (when applicable), and background check prior to beginning employment.

Testek Solutions is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, disability, age, sexual orientation, gender identity, national origin, veteran status, height, weight, genetic information, or any other classification protected by federal, state, or local law. Testek Solutions is committed to providing access, equal opportunity and reasonable accommodation for individuals with disabilities in employment, its services, programs, and activities. To request reasonable accommodation, contact the Testek HR Department at 248-573-4980 or email hrdept@testek.com