



CMEHR@Custom-mfg-eng.com
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Systems Test Engineer

Job ID: 2021-14B
Regular/Temp: Reg
Full-Time/Part-Time: Full Time
Submit Reply and Resume to: CMEHR@custom-mfg-eng.com

MUST complete Predictive Index test before applying:

<https://assessment.predictiveindex.com/54R/4fd1bdb3-449d-430b-b8eb-223bacff764e?type=candidateba>

Job Summary:

Are you someone who has a passion for working toward enhancing the users experience or support the automotive, aerospace, military, heavy equipment or tech industries? We have an exciting and challenging opportunity in sunny Florida for the right person to become our Systems Test Engineer! You would be responsible for the planning and execution of electrical and mechanical testing on multiple projects. You will ensure all program integration and test milestones are coordinated and completed in a timely fashion and will be involved with the Systems Engineering Lifecycle of projects which includes tasks such as (but not limited to), proposal input, requirements management, design reviews, integration & test, and risk management. You may participate in integration testing with hardware products, development environments, distributed environments, point of need operations, and other system level features and capabilities.

Duties and Responsibilities:

- Work daily with multi-discipline teams on new product design and continuous improvement of CME product electrical and electro-mechanical systems. Provides design/development oversight of engineering test projects for electro-mechanical systems utilizing technical engineering leadership.
- Responsible for design success, test verification, prototyping and demonstrations to include all design verification and/or test validation methods for transfer to the manufacturing environment.
- Responsible for development of detailed documentation packages including the execution of test plans and protocols.
- Provides support for Manufacturing Process Development Testing methodologies, standards, and relevant tests and/or certifications of electro-mechanical products.
- Responsible for research, planning, implementation, and training of new CME or customer-provided test equipment
- Work with Quality to develop test protocols and process controls.
- Support manufacturing with logistics and setup of process testing and provide training to manufacturing personnel who will be performing tests
- Lead CME testing events and participate in customer testing events
- Develops thermal modeling, simulation and final testing and validation of product.
- Awareness of Industry 4.0 automation and interested in implementation of these modernizations
- Other duties as assigned

Job Qualifications:

- Relevant testing experience in manufacturing environment
- Ability to interpret procedures and exercise steps, walk through complex user activities, and determine success or failure of the test procedures.

- Ability to assess technical problems and provide a range of applicable solutions
- Experienced with basic hand-tools, test equipment, oscilloscopes, and automation tools
- Knowledge of applicable, wide range of Industry Specifications (ASTM, IEEE, SAE, ASME, etc.)
- Experienced with design, assembly, integration/test of automated machinery
- Experienced with data acquisition and data logging solutions
- Experienced with System dynamic analysis, stress analysis, fatigue analysis, static test, vibration analysis and environmental test including thermals, vibration and shock.
- Understanding of controls, panels, industry automation/robotics, power systems, cable assemblies, circuit card assemblies, buss requirements, etc, desired
- TestStand/Labview experience desired

Minimum Requirements Needed:

- High School or AA/AS degree (trade or tech school) from an Accredited College/University
- Bachelor degree in Engineering or Physics
- Electrical Engineering Tech + experience in electronic test systems
- Positions with CME require access to controlled goods and technologies subject to the International Traffic in Arms Regulations or the Export Administration Regulations. Applicants for these positions need to be "U.S. Persons," as defined in these regulations. Generally, a "U.S. Person" is a U.S. citizen, lawful permanent resident, or an individual who has been admitted as a refugee or granted asylum.
- Successful Passage of Required Screenings & Tests: Background Check, Reference, Credit, and Drug Testing

Travel Percentage Required: Minimal & Usually Local to Vendors. 0% -5%

An award-winning Tampa Bay small business for two decades, Custom Manufacturing & Engineering, Inc. (CME®) delivers Engineering, manufacturing, test, and calibration/repair services to Government and Industry. Join us at CME, where one can "Use Our Expertise to Design & Build Your Solutions" CME's culture is embodied by Core Values that are focused on: Serving the customer while protecting CME, delivering quality products and services as required, solving problems, working with energy and passion, and encouraging and developing employees that challenge themselves.

As a strong supporter of Science, Technology, Engineering and Math (STEM) and other select charitable initiatives, CME promotes and encourages employee community support to nonprofit organizations or educational institutions, especially for mentoring and school/student support. Most of CME's products and services are focused on the development and manufacturing of energy efficient and sustainable products such as more efficient power supplies, intelligent power distribution units, energy saving solar panels, and other electronic systems, end products, or components. (www.custom-mfg-eng.com).

CME is an Equal Opportunity/Affirmative Action Employer. *All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.*

*As a U.S. defense contractor CME is also subject to additional rules and regulations regarding the hiring of foreign persons. **In compliance with U.S. federal law, all persons hired will be required to verify identity and eligibility to work in the United States; CME cannot accept any person for employment who does not meet employment eligibility requirements, E-Verify verification, and/or is in the U.S. under a student (F1 and/or OPT, J1, or M1) and/or temporary work visa.** For the purposes of clarification, the I-9 defines eligibility of an employee as a: U.S. citizen, permanent resident card or alien registration card (Form I-551), a person with a temporary I-551 stamp on their passport or U.S. immigrant visa, and/or passport from the Federated States of Micronesia (FSM) or Republic of the Marshall Islands (RMI) with Forms I-94 or I-94A indicating nonimmigrant admissions under Compact of Free Association between the U.S. and FSM or RMI.*

Removal Date: May 1 2021