



**CUSTOM MANUFACTURING
& ENGINEERING™**

Systems Engineer

3690 70th Avenue North
Pinellas Park, FL 33781
www.custom-mfg-eng.com

Job ID: 2021-21C
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/34188ec2-f4d9-4ccc-83ad-4ba76dfb1802?type=candidateba>

Job Summary:

The Systems Engineer performs cross disciplined engineering (electrical, mechanical, software) and coordinates with team members to achieve project results! You will produce designs on time and on budget by meeting project requirements and system specifications, conceptualizing customer technical solutions, and collaborating with the engineering team. You will also build and nurture the engineering project team while documenting customer requirements, system specifications, and other documents for design and manufacturability purposes! If you enjoy collaboration with multi-disciplined approaches to solve challenging design and manufacturability purposes, we want to speak to you!

Duties and Responsibilities:

- Delivering designs on time and on budget by producing and writing of project requirements and system specifications, conceptualizing customer technical solutions, and collaborating with the team to estimate a credible project commitment schedule
- 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 development projects for electro-mechanical systems utilizing technical engineering leadership
- Responsible for development of detailed documentation packages including the execution of test plans and protocols
- Assisting in trouble shooting design issues, bid proposals, development of documentation/schematics and works with teams to anticipate manufacturing/manufacturability issues
- Providing support for Manufacturing Process Development Engineering methodologies, standards, and relevant tests and/or certifications of electro-mechanical products
- Awareness of Industry 4.0 automation and interested in implementation of these modernizations
- Writing of system level test plans/procedures, coordinating environmental/EMI testing; designing and development of those test features, as well as test execution and reporting documentation
- Procedural Development/review/approval experience
- Other duties as assigned

Job Qualifications:

- Preferably DoD experience
- Understanding of embedded hardware, software design, and integration of engineering systems
- Familiar with theory or reliability
- Commercial and military product development experience
- Knowledge of CMMI and ISO 9000 standards

- Engineering test experience that covers a wide variety of product types
- Engineering experience that includes process improvement work
- Experience in solving electrical, mechanical, or software engineering challenges to design and produce a working system
- Configuration management and revision control
- Supply Chain support
- Military Grade specification of electronics and wiring
- Ability to perform detailed work for extended periods of time
- US citizenship as requirement for purposes of obtaining clearances (additional clearances may also be required by the Department of Defense)

Minimum Requirements Needed:

- High School or AA/AS degree (trade or tech school) from an Accredited College/University
- BS/MS in Engineering, Electrical/Computer Engineering or another relevant field
- **At least 3 years** of related experience
- Relevant professional technical testing/reliability experience in electro-mechanical or electrical engineering testing disciplines may substitute for degrees
- 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: Nov 1st 2021