

Test/Reliability Engineer

Job Description

The product development group at Alion is seeking a self-motivated individual to help develop the new generation tracker technology for solar power plants.

Key Responsibilities:

- Support the design and development of the next generation tracker technology for utility scale solar power plants
- Develop and execute test programs for mechanical and electromechanical systems and components
- Perform basic engineering analyses such as stress, tolerance, material selection, risk analysis and FMEA.
- Manage and drive safety certifications to closure with third party test laboratories (UL and IEC)
- Design product test experiments, execute accelerated stress tests, analyze product test data, present test results to management team, and write technical reports.
- Work with internal and external resources to develop cost effective products through Design for Manufacturability, Design for Assembly and Design for Reliability

Required Skills:

- Product testing experience
- Experience testing both structural and electromechanical systems and components
- Working knowledge of SolidWorks
- Strong analytic work methodology and problem-solving skills
- Hands on experience designing and building test fixtures
- Hands on experience with standard workshop tools
- Experience with design of experiments
- Self-starter who can deal with open ended challenges and drive product designs to buildable products

Education and Experience:

- BS or MS in Engineering degree; Mechanical engineering, Electrical Engineering or Mechatronics Engineering
- 3-5 years work experience

Alion is located in Richmond, California. We provide a comprehensive benefits package including: PTO, Paid Holidays, Medical, Dental, Vision, 401(k) and Competitive Salary. At Alion, we operate in a casual teamwork environment. If your experience and skills meet or exceed our requirements, please e-mail your resume in Word format to: sjensen@alionenergy.com. Please include job code in the subject line: **RE-PD**

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