



Solectria Renewables is America's leading manufacturer of high power photovoltaic inverters for solar applications. Join a driven and innovative team working in a fast paced and challenging high technology environment. Let your talent fuel one of the nation's fastest growing industries. We offer an excellent benefit package, the ability to work with cutting edge technology, and room for professional growth and career advancement within the company. Solectria Renewables is an Equal Opportunity Employer. Qualified candidates should send their resume and a detailed cover letter to: [HumanResources@solren.com](mailto:HumanResources@solren.com)

## POSITION DESCRIPTION

TITLE: **Senior Quality Systems Engineer**  
SUPERVISOR: **Engineering Manager**  
CLASSIFICATION: **Exempt, full-time**  
LOCATION: **Lawrence, MA**

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## DUTIES:

1. Leads DFMEA activities for new software and hardware designs for high powered PV inverters.
  - a. Software designs range from deeply embedded code, to high level database programming using internet connectivity
  - b. Hardware designs include inverter components and safety systems
2. Performs PFMEA activities for new products
3. Conduct MTBF analysis of inverter hardware
4. Mentor quality staff and engineering/manufacturing Departments on the FMEA process
5. Develops standard tools, processes and metrics associated with FMEA
6. Develops and monitors design validation plans (DVP&R's)
7. Leads all ISO related engineering activities
8. Other duties as assigned

## REQUIREMENTS:

1. Bachelors in Engineering related discipline and minimum of 5 years related experience
2. Extensive experience of FMEA as both a user and an author
3. Significant experience in leading cross functional teams in creating FMEAs
4. Experienced in FMEA documentation control software
5. Excellent background in safety system FMEA and design
  - a. Background in software safety compliance such as UL1998 a huge plus
6. Background in electrical engineering principles, including electronic circuits
7. Knowledge of MTBF and electronics reliability principles
8. Understanding of software engineering principles
9. Background in ISO-9001 compliance systems, previous experience in introducing ISO systems a significant plus
10. Outstanding work ethic and positive attitude required
11. A high level of initiative and a proactive nature
12. Excellent communication and presentation skills
13. Strong organizational and time management skills
14. Ability to work as a leader or individual contributor, depending upon assignment
15. Experience with ISO9000 certification
16. Experience with Fault-tree analysis a plus