



First Solar Job Description

Job Title: Equipment Engineer I

Reports To: Manager, Equipment Engineer

Job Status: Exempt

Basic Job Functions:

- Perform material and device research to enhance thin film solar cell performance and stability, and to reduce manufacturing cost.
- Plan, execute and characterize development engineering experiments in the laboratory and manufacturing environment.
- Screen new materials and collect characterization data for cell performance enhancement.
- Comply with the company's Environmental, Quality, Safety or any other policies that have been enforced.
- Provide technical and professional leadership to the maintenance team and manage the engineering aspect of the maintenance process.
- Use necessary engineering tools and programs to drive improvements and rate the effectiveness of repair works.
- Maintain preventive maintenance (PM) records and other pertinent data that is deemed necessary to do a complete job.
- Publish information that has been reviewed, in a report format, on a routine basis.
- Work on cross functional teams to improve Throughput.
- Streamline and improve PMs to continuously improve the availability of equipment.
- Maintain the stock of relevant spare parts

Education and Experience:

- Bachelor's Degree in an Engineering Discipline (Mechanical or Electrical Engineering preferred) OR
- Associates Degree in an Engineering Discipline (Mechanical or Electrical Engineering preferred) with 3+ years of experience as a First Solar Maintenance Technician III or MET III and an Associate's degree in an Engineering Discipline

Required Skills/Competencies:

- Strong analytical, communication and organizational skills.
- Proficient use of all Microsoft Office suite programs.
- Knowledge of Engineering Principles and Practices.
- Knowledge of Manufacturing processes.
- Good knowledge of Problem-Solving Tools such as 7 Steps and DMAIC (6Sigma).
- Knowledge of Computerized Maintenance Management System (CMMS) software, preferably with IBM/MRO Maximo.

Essential Responsibilities:

- Arrange, participate and implement PM-Planning.

- Create and update equipment Preventive Maintenance Work Instructions, equipment specifications, equipment trouble shooting BKM and good manufacturing OPL.
- Continuously improve spare part availability.
- Provide training where applicable to Maintenance team.
- Responsible to monitor long term equipment down issues and assist or lead with resolution.
- Responsible to interface with other cross functional groups to identify, brainstorm, create and implement equipment improvement projects.