



The Company: Solar Junction Corporation (SJC) is a privately held company that designs and manufactures the world's highest efficiency commercially available solar cells.

Location: Phoenix, AZ

Position Title: IT & Manufacturing Execution System (MES) Engineer

The **Manufacturing Execution System (MES)** is the manufacturing tracking system for the Solar Junction production lines. The MES tracks the state of products, captures process data, tracks the status of production tools, and delivers operational metrics. The current wafer tracking system will be replaced by a newly purchased MES system within the next few months. The MES Engineer will work closely with engineering, R&D, manufacturing, maintenance and production control staff as well as the MES vendor to successfully deploy and configure the software and hardware throughout the factory. The IT/MES Engineer will own and be dedicated to the development, sustainment and improvement of all aspects of MES, Database, IT systems and Reporting.

Essential Duties and Responsibilities:

- Manage and maintain all IT related company infrastructure, including phones, wifi, audio video and other communication systems
- Manage all employees computer, software configuration and licenses
- Evaluate, manage, and maintain database security, file management, backup procedures, information security and control structures, admin, and transaction
- Develop standards and procedures affecting database management, design, maintenance
- Manage database in MS SQL 2016 Enterprise and support the transition from MySQL and other platforms to the future MES
- Work directly with individuals and cross functional teams to configure and support the MES
- Provide expert technical advice, direction, and leadership during the design and implementation of applications.
- Work closely with Yield and Integration Engineering to develop real-time yield and operations reports for the operations and production management
- Responsible for implementing all changes to the virtual production environment and ensuring proper change management policies are followed.
- Available for on call support as needed.

Qualifications and Experience:

- BS in Control Engineering or Computer Science plus 3 to 5 years of related experience;
- 2+ of experience with software development or software product integration using C#, C++ or VB Script.
- Microsoft Windows network infrastructure literate
- Experience with Microsoft SQL and servers
- Experience with ERP interfacing and integrating ERP/MES software packages
- NET Platform and HTML5 Programming preferred
- Experience of process and equipment automation solutions is a plus.
- Knowledge of active directory, DNS, IP networks and virtualization is a plus
- Good knowledge and solid experience with Manufacturing Execution Systems (Critical Manufacturing MES is preferred)

If interested and qualified, please send your resume to jobs@sj-solar.com with Position Title in the subject line.