

Operations & Quality Manager

About CFV Solar Test Laboratory, Inc.:

CFV Solar Test Laboratory (CFV) is a new photovoltaic (PV) test center jointly owned by CSA International of Canada, VDE Institute and Fraunhofer ISE of Germany and Fraunhofer CSE of Cambridge, MA. CFV will perform certification testing of PV modules according to North American (UL) and international (IEC) standards for flat panel, thin film and CPV modules. The laboratory will be located in Albuquerque, NM, and will be a state-of-the-art test facility. For additional information please view our website at <http://cfvsolar.com>.

About the Position:

As Operations and Quality Manager you will be responsible for planning and managing the timely execution of test operations, developing and maintaining the ISO 17025 quality management system, and maintaining the test equipment and facilities. You will be working closely with the parent organizations in Germany and North America to set-up the new test laboratory and establish operational procedures and control systems. CFV is looking for a strong team player, with exceptional leadership skills and experience in this field, a can-do attitude, and the motivation to make CFV the premier PV test services provider in North America.

Principal Responsibilities:

- Develop a quality management program and laboratory operation procedures for ISO 17025 laboratory accreditation.
- Develop operational procedures for testing of PV modules according to UL and IEC standards.
- Implement a production control system for capacity planning, order tracking, time reporting, and cost analysis.
- Help to develop a material flow and logistics concept for the new test lab.
- Help develop and build fixtures and test equipment, using own resources and outside contractors.
- Manage operators and coordinate logistics, shipping, receiving, and internal workflow.
- Generate regular production reports and analyze operational costs.
- Maintain test equipment and machinery with the help of technicians, schedule and coordinate preventive maintenance and service.
- Set-up a safety system and function as the safety representative and internal trainer.

Required Experience and Education:

- BS in engineering or equivalent (manufacturing, industrial, mechanical or electrical)
- 8+ years experience in production and quality management
- Previous experience with ISO17025 certified laboratory standards
- Experience implementing Production Control/MRP/ERP Systems
- Experience with safety procedures and equipment maintenance
- Experience designing (CAD) and building custom fixtures and equipment

- Supervisory and logistics experience

Additional Qualifications:

- PV Testing and Manufacturing Experience
- Lean / Six Sigma Training
- Maintenance or trade training
- ISO 9001 Quality Management
- Project Management Training (PMP)
- Cost Analysis

Soft skills:

- Strong team leader and motivator, level-headed with good conflict resolution skills
- Excellent organizational and planning skills
- Professional, responsible and confident in enforcing procedures and rules
- Self-motivated, able to work with minimal supervision and under pressure
- Able to get things done and improvise when needed

For priority consideration, please send your resume and salary requirements to cse-careers@fraunhofer.org . CFV Solar Test Laboratory is an equal employment opportunity company.

PV-Test Technician (electro-mechanical)

About CFV Solar Test Laboratory, Inc.:

CFV Solar Test Laboratory (CFV) is a new photovoltaic (PV) test center jointly owned by CSA International of Canada, VDE Institute and Fraunhofer ISE of Germany and Fraunhofer CSE of Cambridge, MA. CFV will perform certification testing of PV modules according to North American (UL) and international (IEC) standards for flat panel, thin film and CPV modules. The laboratory will be located in Albuquerque, NM, and will be a state-of-the-art test facility. For additional information please view our website at <http://cfvsolar.com>.

About the Position:

We are seeking several PV-Test Technicians for electrical safety, performance and environmental exposure tests. As PV-Test Technician you will be responsible to conduct various tests to evaluate the reliability and safety of PV-modules from different manufacturers. You will work with test engineers to develop test procedures, set-up and maintain the test equipment, run the tests, collect and analyze the data, and generate test reports. CFV is looking for team players, with exceptional skills and ambition in their field, a can-do attitude, and the motivation to make CFV the premier PV test services provider in North America.

Principal Responsibilities:

- Set-up and program test equipment and build fixtures (climate chambers, solar flasher, UV-chambers, electrical and mechanical test equipment, safety tests, outdoor tests)
- Work with test engineers to develop test procedures for safety and performance testing of PV modules according to UL and IEC standards
- Transport, load and unload modules into test equipment and field test devices
- Run and monitor tests
- Record data in databases and spreadsheets, analyze data, and generate test reports
- Maintain, troubleshoot and repair test and measurement equipment
- Become knowledgeable in test standards and stay abreast of new industry developments
- Participate in the development of quality and operations standards for accreditation of the test center according to ISO 17025 laboratory standards and other industry standards

Required Experience and Education:

- Associate degree in environmental, electrical, mechanical engineering (or equivalent education)
- 3+ years of experience in a test laboratory, PV-manufacturing, or similar field
- Electrical and/or mechanical experience in setting-up, operating and servicing high-end test and measuring equipment
- Willingness to continuous learning, mentoring others and working in a team

Additional Qualifications:

- Ability to program PV-test equipment, including environmental chambers, solar simulators, electrical and mechanical test equipment
- Experience working in a ISO 17025 certified laboratory or with quality management systems

- Experience building fixtures and optimizing material handling operations
- Experience trouble-shooting and repairing test equipment
- Understanding of PV module test equipment and procedures
- Knowledge of industry standards UL 1703, IEC 61215, 61646, 62108
- Knowledge of CAD software, Laboratory Software, Production Control Systems, or Database Systems

Soft skills:

- Team player with a can-do attitude
- Quick and eager learner
- Detail-oriented, methodological work approach
- Highly self-motivated, able to work with minimal supervision and under pressure
- Strong organizational, interpersonal and communication skills
- Willing and able to travel nationally and internationally
- Able to work flexible work hours to support laboratory start-up requirements

For priority consideration, please send your resume and salary requirements to cse-careers@fraunhofer.org . CFV Solar Test Laboratory is an equal employment opportunity company.

Controls/IT Technician

About CFV Solar Test Laboratory, Inc.:

CFV Solar Test Laboratory (CFV) is a new photovoltaic (PV) test center jointly owned by CSA International of Canada, VDE Institute and Fraunhofer ISE of Germany and Fraunhofer CSE of Cambridge, MA. CFV will perform certification testing of PV modules according to North American (UL) and international (IEC) standards for flat panel, thin film and CPV modules. The laboratory will be located in Albuquerque, NM, and will be a state-of-the-art test facility. For additional information please view our website at <http://cfvsolar.com>.

About the Position:

As Controls/IT Technician you will be responsible for programming and administering test data acquisition systems, databases, general IT-infrastructure and the phone system. You will work with outside IT consultants as well as in-house engineers to set-up the systems and develop procedures and programs. CFV is looking for team players, with exceptional skills and ambition in their field, a can-do attitude, and the motivation to make CFV the premier PV test services provider in North America.

Principal Responsibilities:

- Develop data acquisition and storage systems for test data, using mostly LabView software
- Help to build and program test and measuring equipment (weather stations, climate chambers, solar flasher, safety test equipment, etc.)
- Work with test engineers to program routines for data analysis and generation of test reports
- Work with the operations engineer to implement a production control and quality management system, including bar code scanners, in accordance with ISO 17025 laboratory standards
- Work with external IT-firm to set-up and maintain the IT-Infrastructure (network servers, PC and Mac workstations, phone system, remote access, back-ups, etc.)
- Administer and install software on work stations, develop software standards, train users
- Troubleshoot equipment control systems and IT/communication problems
- Become knowledgeable in test standards and stay abreast of new industry developments

Required Experience and Education:

- Associate degree in Computer, Software or Electrical Engineering (or equivalent other education, e.g. Microsoft Certifications)
- 3+ years of experience in database programming, LabView, and IT-systems administration
- Thorough understanding of test data acquisition and machine control systems
- Interest in building custom solutions for testing and metrology of solar systems
- Experience trouble-shooting and repairing electrical, computers and IT-equipment
- Willingness to continuous learning, mentoring others and working in a team

Additional Qualifications:

- Programming/application experience with Laboratory Software, Production Control Systems, Database Systems, SQL, Lotus Notes, MS-Access, Quickbooks, Phone Systems, CAD software, MS-Office (expert level), and Remote Applications

- Ability to program PV-test and measuring equipment, including environmental chambers, solar simulators, electrical and mechanical test equipment
- Experience working in a ISO 17025 certified laboratory

Soft skills:

- Team player with a can-do attitude
- Quick and eager learner
- Highly self-motivated, able to work with minimal supervision and under pressure
- Strong organizational, interpersonal and communication skills
- Able to work flexible work hours to support laboratory start-up requirements

For priority consideration, please send your resume and salary requirements to cse-careers@fraunhofer.org . CFV Solar Test Laboratory is an equal employment opportunity company.