



Silfab Solar Inc.  
240 Courtneypark Drive East  
Mississauga, Ontario, Canada L5T 2Y3  
Tel: +1-905-255-2501  
Fax: +1-905-696-0267  
Web: [www.silfab.ca](http://www.silfab.ca)  
Email: [info@silfab.ca](mailto:info@silfab.ca)

## **Silfab Solar Inc. – Mississauga, Ontario**

Silfab Solar Inc. is a world class manufacturer of high efficiency crystalline solar modules in Ontario. Silfab Solar is a growing company and looks to hire individuals with a passion for renewable energy to be part of the team in the fast paced production of solar modules. Our production line is running 24 hours a day, 7 days a week.

The company's founders have extensive experience in the PV industry and have partnered with industry-leading engineering firms and equipment providers to establish a team with knowledge and demonstrated success across the entire photovoltaic value chain. Its founding partners include Franco Traverso, an Italian pioneer in the solar energy industry, Pan Asia Solar Ltd., whose principals co-founded some of the most successful listed PV businesses, including the subsidiary solar cell manufacturer Sunrise Global Solar Energy, and Sino- American-Silicon Products Inc., a stock-market listed provider of premium silicon wafers to the photovoltaic and semiconductor industries

Silfab Solar Inc. is a quality international leader in the development, manufacturing and distribution of ultra-high efficiency PV modules with just in time manufacturing. Silfab has leveraged over 34 years of solar experience and is part of the vertically integrated family of companies through Silfab S.r.l. (Italy). Silfab's state of the art, manufacturing facility located in Toronto Canada has helped pioneer smart module technology, glass on glass solutions and bifacial modules. Silfab's technically innovative process produces superior reliability and performance specifically designed for the North American market. Silfab balances manufacturing capacity between OEM partners, Silfab branded modules and new technology.

Silfab Solar Inc. is part of a family of vertically-integrated PV product companies, systems and developments that span the entire photovoltaic supply chain, from high purity polysilicon to modules and complete solar farms.



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## **JOB DESCRIPTION**

### **Maintenance Technician**

Great opportunity to develop your automation experience while working with the latest Industrial Robots and PLCs in a clean environment!

Join an innovative clean-tech organization that believes in recognizing and rewarding hard work!

Enjoy a competitive salary package and opportunities for overtime!

### **About the Opportunity**

Currently, Silfab is seeking experienced and flexible Maintenance Electricians to join their collaborative team in Mississauga, ON.

In this role, you will be responsible for troubleshooting and maintaining production equipment, which includes electrical, hydraulic, mechanical and pneumatic systems, while working from wiring diagrams, engineering drawings and equipment specifications.

Working primarily on voltages up to 600V (AC/DC), you will:

Repair and replace electrical/hydraulic/pneumatic and electronic components such as motors, contractors, relays, timers, types of switches, PLCs, light curtains, motor controls, valves, etc.;

Run new power supply lines to new/relocated equipment according to IEE wiring regulations, Electrical Safety Code and company policy;

Wire new control panels according to supplied drawings and verbal instructions while adhering to Hydro Codes and other applicable standards and regulations;

Recognize and diagnose faults on electrical equipment or systems, which may involve



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complex interlocking, interrelated circuits, integrated systems and complex sequencing;

Install, examine, replace and repair electronic wiring, receptacles, switch boxes, conduits, feeders, cable assemblies, lighting fixtures and other electrical components;

Maintain production equipment to maximize operating performance and assist with maintaining electrical spare parts inventory levels;

Perform repairs on equipment to restore them to proper and safe work conditions;

Perform installation, set up, modification and relocation of equipment to accommodate or improve production requirements;

Read/write electrical and electronic schematics/diagrams, basic hydraulic and pneumatic diagrams;

Test electrical and electronic equipment and components for continuity, current, voltage and resistance;

Make trade calculations for load requirements and select appropriate sizes/grades of components in accordance with current electrical code;

Ensure production schedule is not jeopardized due to machine break down, or unsafe operating conditions and inform Engineering and Maintenance Manager about changes in electric circuits and update original diagrams;

Always follow LOCK OUT procedure on unsafe machines/machines being serviced;

Adhere to work orders, preventive/predictive maintenance systems by filling in required forms; and

Organize workplace to comply with housekeeping requirements.

In order to be successful in this role, you must have a valid Provincial Industrial Electrician's license (preferably inter-provincial), knowledge of applicable electrical codes and 3-5 years of experience employed as an Industrial Electrician, ideally within a production environment.

Able to read wiring diagrams, electrical/mechanical/pneumatic/hydraulic schematics and ladder/function block logic, you have working knowledge of industrial PCs and PLCs (Siemens Step 7, Beckhoff TwinCat, etc.) and electric circuitry consisting of contractors,



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relays, main voltage/control voltage, limit switches and proximity sensors, etc.

Hands-on experience applying hydra-electric, electro-pneumatic and electro-mechanical theories is a must as is the ability to work well with minimal supervision and take initiative.

A proven team player and strong communicator with excellent organizational skills, you will be a great fit for this role if you are able to:

**Maintain an awareness of the big picture;**

Understand and use programming devices for troubleshooting and modifying programs;

Perform basic wiring work, conduit bending, controls cabinet wiring and general installations;

Identify causes of problems while developing methods of correction;

Lift up to 40 lbs;

Work overtime and weekends as required; and

Work shift work as required.

**About the Benefits**

In exchange for all your hard work and dedication shown on the job, we offer a highly attractive salary range. In addition, you can look forward to taking advantage of the following benefits:

Medical, Dental, Vision;

Long Term Disability;



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Job tasks are as outlined but not limited to:

- Perform preventative/predictive maintenance to all production equipment as required
- Work side by side with experienced technician during equipment repair and learn smart/safe work practices
- Complete small electrical and mechanical projects based on direction given from Supervisor as required by provincial regulation
- Demonstrate safe work practices and follow company safety policies, procedures and regulations at all times
  
- Initiate and complete all other jobs, projects and special assignments as directed by Maintenance Supervisor
- Ensure compliance of all Company policies
- Ensure personal compliance with the Occupational Health and Safety Act is maintained at all times and recommends measures to improve health and safety
- Ability to work within a team environment and interact with all areas of production

Compensation and Benefits:

- Working Conditions: Clean Environment, Days/Afternoons/Nights
- Compensation: TBD, work schedule is continental shifts.

**Salary:**

Competitive market based salary package with full benefits will be offered to successful candidate based on experience.