



## Designer - Electrical

### Indeterminate

Engineering, Operations

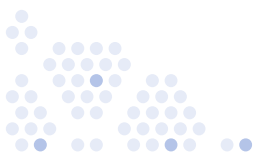
### About Us

SNOLAB is an international facility for world-class underground physics research and has an expanding programme in astroparticle physics and underground science. Located in an air-conditioned clean room 2 km underground in the Vale Creighton Mine near Sudbury Ontario, with a suite of surface facilities and laboratories, SNOLAB is currently preparing for the next generation of experiments focusing on neutrino studies and the search for galactic dark matter.

### The Position

The Designer leads projects to develop components, machines and complex systems at SNOLAB using 2D and solid modeling tools in order to advance concepts to a final design, which can include manufacturing, electrical, and installation drawings. The Designer may occasionally work under the guidance of an engineer when the nature of a project dictates the need for engineering oversight. The candidate will be expected to:

- Lead detailed design projects for electrical systems and equipment.
- Prepare detailed engineering drawings including single-line diagrams, wiring diagrams, and panel drawings.
- Specify materials and components to meet electrical design requirements.
- Consult with clients, engineers, and vendors to complete design tasks.
- Perform field inspections to verify the accuracy of existing systems and update drawings as needed.
- Prepare fabrication, assembly, and installation drawings.
- Use 2D and 3D CAD tools for solid modeling of electrical components and systems.



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- Perform technical calculations and modify designs to address deficiencies or improve production.
- Manage CAD systems, including part libraries and file compatibility.

## Criteria

### Education:

Completion of provincially recognized Post-Secondary Technologist program in an engineering or applied science technology discipline

C.E.T. (Certified Engineering Technologist) designation is considered an asset.

### Experience:

- Experience in 2D or 3D design with AutoCAD or similar software is an asset
- Experience performing technical calculations, including material and equipment specifications
- Experience in electrical drafting, drawing standards, and practices

### Salary Range

Salary will be determined by qualifications and experience and includes an attractive benefits package. Relocation assistance will be determined in accordance with SNOLAB policies.

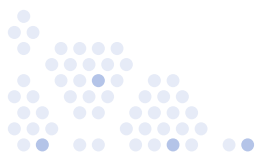
### To Apply

All applications must be submitted to [jobs@snolab.ca](mailto:jobs@snolab.ca). **Please do not fax or mail your applications.** By applying to the e-mail address, your application becomes available to managers immediately. Interested candidates should include a cover letter and resume.

### Closing Date

**October 30, 2024**

Applications will be accepted until **11:59pm Eastern Time.**



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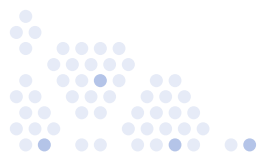
SNOLAB thanks all applicants for their interest, however, only those candidates considered for an interview will be contacted.

SNOLAB is committed to equity in employment and encourage applications from all qualified applicants, including women, Indigenous persons, members of visible minorities and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

SNOLAB will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs.

Further information about SNOLAB may be found at [www.snolab.ca](http://www.snolab.ca)

Posting Date: **October 16, 2024**



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