

Design Engineer

Virelec is a progressive and rapidly growing company that is well positioned in the dynamic North American electricity services industry.

If you are an accomplished, energetic Design Engineer you may be interested in joining our team. The position of Design Engineer reports to the Engineering Supervisor. You are a team player and thrive on project based work with plenty of customer interaction. You have a positive attitude and a passion for protection and control engineering. Duties include:

Design

The Design Engineer is responsible for the design of protection and control systems and panels.

- Preparation of electrical elementary schematic diagrams such as AC three line diagrams, DC control diagrams and trip logic diagrams.
- Preparation of wiring diagrams
- Panel layout, fabrication and assembly drawings
- Panel Bills of Material

Engineering Studies

Undertake investigative, feasibility, design and relay setting studies on a per project basis. Prepare written reports for such studies.

Testing

Provide occasional assistance with testing of protection and control systems and panels. This includes the following elements and the preparation of the appropriate reports.

- Routine production tests of panels and systems such as point-to-point, hi-pot and functional testing
- Special testing such as CSA inspection tests.
- Customer acceptance test or Factory acceptance Testing (FAT)
- Site Testing and Commissioning

Technical Support

Provide technical support to staff of other departments and functions in the form of:

- Specification and identification assistance to purchasing staff for component parts required in panels and systems.
- Assistance with preliminary design and tendering for new projects.
- Application queries for relays, systems and other related control products.

Qualifications/Profile

Education:

Bachelor of Electrical Engineering with a focus in power systems

Experience:

Work experience in the following:

- Power systems and relaying techniques
- Power system protection scheme design
- Programming of modern protection relays using manufacturers' software
- Protection and control panel design
- CAD design
- Protection applications and design documentation
- Troubleshooting communications problems
- Application Engineering
- Customer interaction
- Project based work
- Team work

If you have the skills, passion and energy to join our team then please submit your resume to info@virelec.com.

Sorry, no phone calls or agencies please. We thank all candidates in advance but will only be contacting those selected for an interview.