

## Senior Electrical Designer Job Posting - Barrie, Ontario

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Prodomax is a specialized industrial engineering firm focused on designing complex automation with a blue-chip customer base and a tremendous track record since it was founded in 1971. Prodomax operates from two facilities with a combined footprint of 200,000 square feet and 200+ employees in Barrie, Ontario. In July 2018, Prodomax joined forces with Jenoptik with approximately 3,600 employees working from facilities in 80 countries. Jenoptik's key capabilities include optics, lasers, metrology and automation servicing the automotive, life sciences and semi-conductor industries.

As a Senior Electrical Designer, you will design and document automation controlled systems for the manufacturing environment with an emphasis on the automotive industry and will report directly to the Electrical Design Manager.

Prodomax has earned many prestigious awards for its advanced processes including:

- Best Managed Companies Award
- Best Managed Companies Gold Award
- Barrie Chamber of Commerce – Business Excellence Award
- Barrie Chamber of Commerce – Innovation Award

### Senior Electrical Designer Key Accountabilities:

- Design Automated PLC control systems using Autocad Electrical and Eplan incorporating equipment from manufacturers such as Allen Bradley, Siemens and Omron
- Provide design documentation including:
  - Component specifications and approval based on customer requirements
  - Safety Architecture and plan layouts for safety audit purposes
  - Safety calculations for light curtain areas as well as safety network response times
  - Load calculations on power distribution panels, control power supplies as well as resistance and mig weld systems
  - Provide Bill of Materials based on system design
- Assist with floor level support during build with respect to design changes
- Coordinate with other disciplines to streamline delivery
- Develop efficient means and standards to ensure budgets and schedules are met
- Validate system safeties function as designed

### Senior Electrical Designer Key Professional Attributes:

- Engineering Degree or Engineering Technologist/Technician (BSc. P. Eng. or CET.)
- Minimum 8 years direct working experience
- Good understanding of other project disciplines (i.e. Fluid Power, Mechanical Design)
- Working knowledge of PLC architecture including discrete and remote I/O
- Working knowledge of communication networks (Devicenet, Ethernet IP, RIO, Profibus)
- Working knowledge of Autocad software with Acad Electrical preferred
- Capable of performing load calculations for resistance welding, Mig welding and assembly production lines
- Direct experience with control reliable circuits and Safety PLC Systems and knowledge of the applicable safety standards with respect to automated equipment

### Our Benefits:

- Competitive salary and profit-sharing bonus
- Comprehensive Group Health & Dental Benefit Plan
- Employee assistance and wellness programs
- Employee training, development, tuition and professional fees reimbursement
- Partial tuition reimbursement for employees' Children enrolled in technical program at recognized Canadian college/university
- Annual performance management review
- Safe, professional work environment
- Casual business dress
- \$1,000 referral fee if you recommend an approved permanent hire – family & friends included
- Safety shoes and safety glasses reimbursement
- Prodomax Employee Excellence Recognition (PEER) Awards

Prodomax is minutes away from the GO Station connected to Toronto and close to beautiful Kempenfelt Bay on Lake Simcoe. Barrie has something for everyone. Just ask our people. If this opportunity sounds like an environment you would thrive in, send your submission to [hr@prodomax.com](mailto:hr@prodomax.com).

We have mountain bikers, road bikers, skiers, golfers, runners, video game heroes, musicians, community volunteers, race car drivers, fitness enthusiasts, hockey players, outdoor sportspeople, TV & potato chip experts, single people, family people, and every other variety of people. Everyone is welcome.