



ENGINEER . IMPLEMENT . MAINTAIN



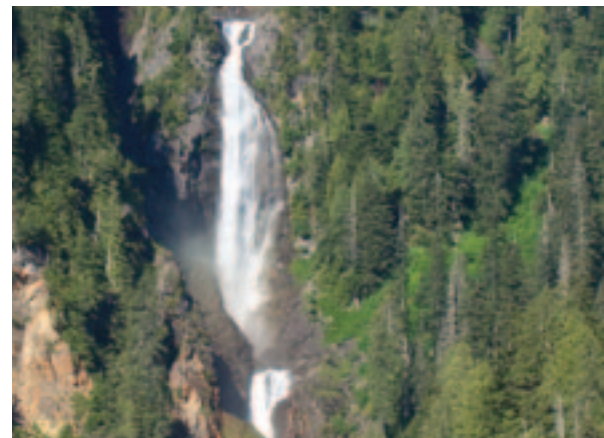
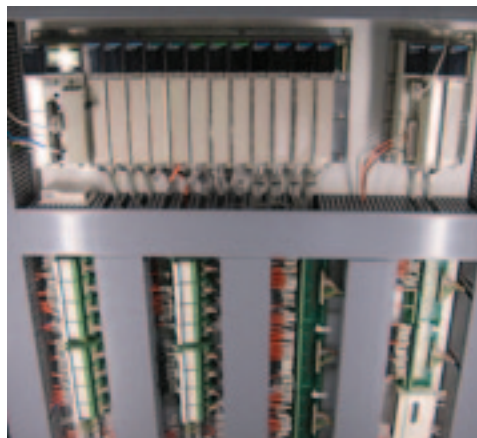
ENGINEER . IMPLEMENT . MAINTAIN



Prime Engineering is founded on customer relations and a true excitement for sustainable energy projects.

Prime Engineering Ltd. is a full-service electrical engineering firm specializing in the following areas:

- High voltage maintenance
- Testing and commissioning
- Control system design
- Our staff has extensive experience in protection and control system design and commissioning services up to 360kV.
- Project quality assurance programs
- Power system protection and electrical design



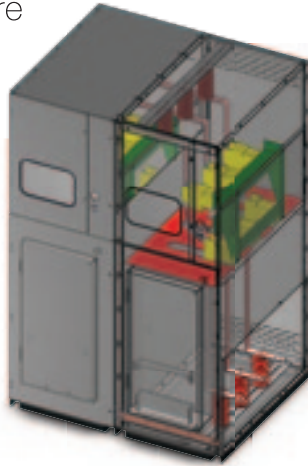
Design

Our engineering staff has extensive power system design experience. Prime Engineering Ltd. specializes in power system engineering for renewable energy projects. We offer electrical protection and control engineering for water to wire (W2W) and balance of plant (BoP) packages.

As a small and flexible company we have the ability to provide component or complete turnkey electrical design packages. Our expertise and design experience include:

- Station service
- Emergency / DC system
- Communication system
- PLC / HMI
- Substation
- Distribution line
- Protection and control system
- Specifications

Prime Engineering Ltd. offers innovative control system design services. Our offer includes PLC and HMI programming, testing and commissioning.



Our control system engineers and programmers have a wide range of experience related to hydroelectric power generation.

Power system studies

In addition to providing our customers with complete electrical design services, we also offer a variety of power system studies including:

- Arc flash
- Coordination
- Short circuit
- Load flow
- Ground grid design
- Harmonic analysis
- Motor starting
- Power quality and power factor correction

All power system studies are completed by trained engineers using the latest in power system modeling software.





Quality assurance & project management

Prime Engineering Ltd. is also proud to provide our customers with feasibility studies, utility liaison, project scheduling and project management services.

A unique offer we provide our customers is quality assurance services for their large electrical upgrade projects. Prime Engineering Ltd. will review designs, installation plans, schedules and test results. We will provide feedback and reports to consultants and owners ensuring the project progresses smoothly and with no unplanned outages.





Field services

Prime Engineering Ltd.'s field services division specializes in the testing and commissioning of medium and high voltage power distribution equipment.

“ *With service like this, you can expect more of our business* ”

Maintenance

High voltage maintenance is a core competency of Prime Engineering's business. Our maintenance services aid in improving electrical system reliability. We offer clients professional testing services complete with professional engineer reviewed reports and testsheets.



Testing and commissioning

Prime Engineering Ltd. provides the following equipment testing and commissioning services in accordance with IEEE and NETA standards:

- Protective relaying
- Switchgear
- Transformers
- Generators
- Ground grid
- Cables

In addition, our staff has many years of experience with the CSA Z32 standard. Our experience familiarizes us with the installation requirements and the steps necessary to ensure that our clients' facilities pass the CSA Z32 standard tests.

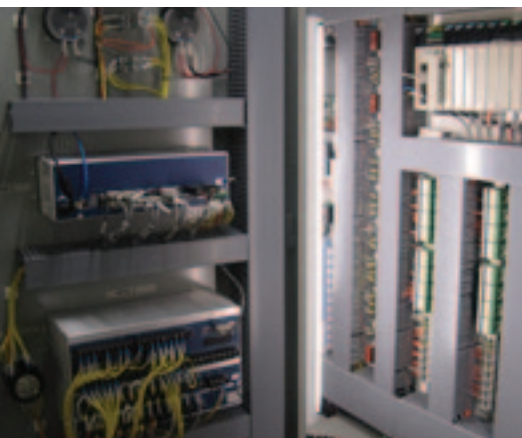
Product supply

Prime Engineering Ltd. can design and supply power distribution equipment for a number of different commercial and industrial applications. Our supply expertise includes:

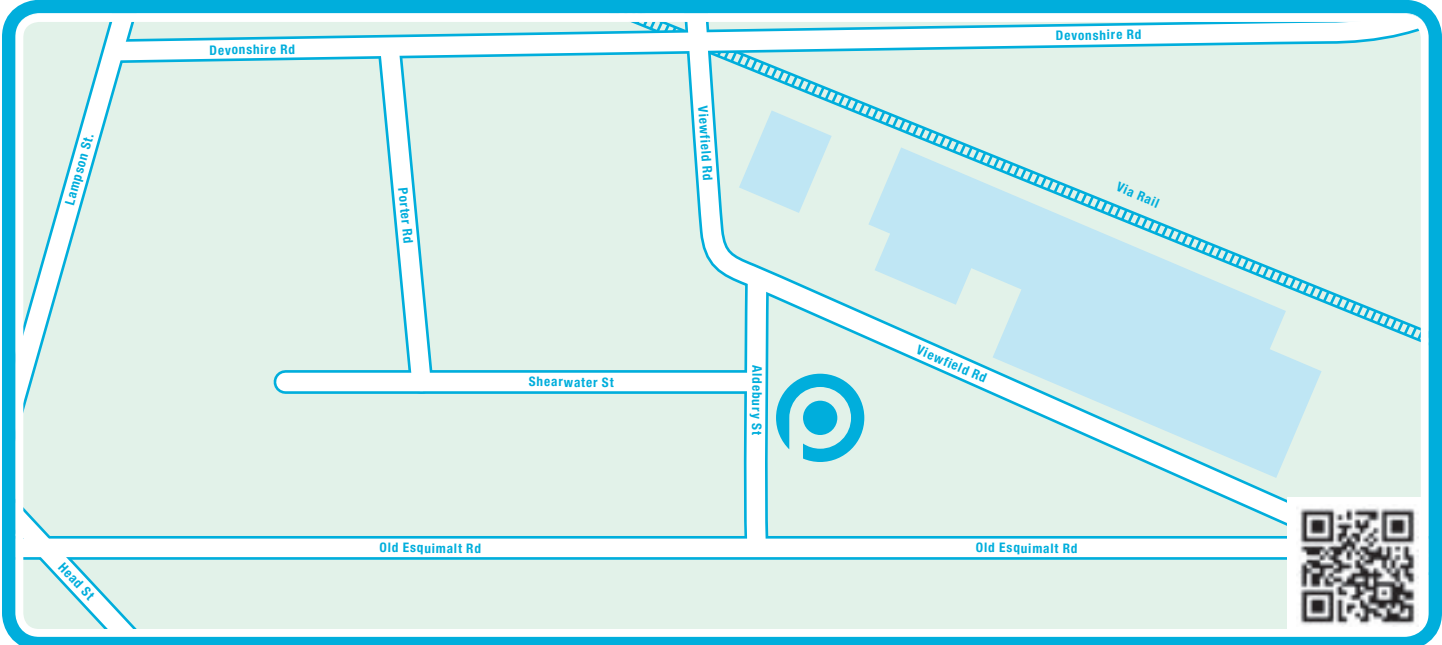
- Padmount transformer / Fused switch combinations
- Control panels
- Medium voltage switchgear
- Equipment installation & retrofits

Troubleshooting and support services

Our team of engineers, technicians and electricians combined have extensive experience in power system troubleshooting.



Prime Engineering Ltd. is founded on customer relations and a true excitement for sustainable energy projects. *Contact us today!*



info@primeeng.ca | Office: 250-590-8912 | Fax: 250-590-8917
#1-717 Aldebury Street | Victoria, BC | V9A 5T2



info@primeeng.ca
Office: 250-590-8912
Fax: 250-590-8917
#1-717 Aldebury Street
Victoria, BC
V9A 5T2