

Global Village Engineering Consulting Inc. mainly focuses on providing electrical engineering consulting service, but not limited to this area. We have extensive practical engineering experiences regarding design, construction assistance and project management in industrial, commercial and residential sectors.

Typical projects include station services for power stations, television production lines, electronic and communicating equipment production buildings, single and multiple dwelling residential units and commercial buildings' service application package for electrical permits, and so on.

How do we help?

Once you provide a clear requirements, the rest is up to us

- Provide sub-contracting service such as design, project management, AutoCAD drafting for builders, construction companies, and other engineering consulting companies.
- Provide load calculations, single lines, load centers' schedule diagrams, and help you apply for electrical permits for single, multiple dwelling units, and commercial property's owners.
- Provide reviewing and sealing engineering drawings.

What are our features?

- P. Eng of APEG BC (Electrical) and LEED AP BD+C.
- Up to date knowledge of Canadian Electrical Code (2015), BC Building Code (2012), ASHREA (2013), appropriate IEEE Standards, and so on.
- Solid electrical design and project management experience including scope, schedule, quality and cost controls, plus testing and commissioning experience in a variety of site conditions.
- A strong work ethic and passion to do the job right.
- Dedicate and customer-orientated
- Fluent in English and Mandarin (oral and written)



Scope of service:

Design:

- Electrical design for utility station service, customer power requirements including distribution, lighting, and grounding systems for industrial, commercial, institutional, and residential buildings.
- Creating drawings such as: single lines, system functional block diagrams, schematics, wiring diagrams, cable and cable tray layouts, grounding systems, and equipment layouts. We can also provide control panel layouts, terminal block diagrams, drawing lists, equipment and material lists, major equipment and material estimates, conduit and cable schedules.
- Calculations: Load, reaction power compensation, power factor, short circuit current, branch, feeder, and voltage drop.
- Sizing and selecting: conductor, cable, and cable tray, conduit, transformer, panel, switchgear, fuses, circuit breaker, disconnect switch, motor starter, VFD, Harmonic filter, and grounding bar.

Technical writing:

- Scope of work, design basis, schedule/plan, specifications for design and equipment requirements.

Estimating:

- Electrical equipment and material take-offs.
- Equipment, material and labor costs.

Site work:

- Construction management: monitoring progress as per project schedule, supervising installation, testing circuits, and PLC software, trial runs of panels, equipments, and production lines, plus trouble shooting as required.

Project management:

- Project management: scope, budget, and schedule, plus drawing and document management in addition to contract implementation monitoring and quality control.

Others:

- Reviewing and sealing engineering drawings.
- AutoCAD drafting for all disciplines of building projects.
- Consideration of sustainable and energy efficient products as appropriate, plus system integration.

<http://globalvillageengineering.com>