



“Respect people,
business,
Science, and
technology”

“Pursue high
quality,
Efficiency, and
excellence”

Global Village Engineering Consulting Inc.

CONTACT US:

May Guo

Tel: 604-369-3211

Address:

**#201 – 4501 Kingsway, Unit 223, Burnaby,
BC V5H 0E5, Canada**

Email:

gvecinc@gmail.com

info@globalvillageengineering.com

Website:

<http://globalvillageengineering.com>



*We are committed to delivery of every
project with practical, reliable,
cost-efficient solutions; and to exceed
our clients' expectations.*

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 Building permits and Electrical permits, and so on.

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

How do we help?

- 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
- Efficient communicator in English and Mandarin (oral and written)
- Appropriate professional liability insurance.



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, power factor compensation, short circuit current, branch feeder and feeder, as well as voltage drop.
- Sizing and selecting: conductor, cable, and cable tray, conduit, panel, transformer, 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, operation trials of panels, equipment, 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.
- Consideration of sustainable and energy efficient products as appropriate, plus system integration.

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