



**AREAS OF PRACTICE**

Power Distribution  
Emergency Power Generation  
Lighting  
Fire Alarm  
Data & Voice Communications  
Security Systems  
Nurse Call

**PROFILE**

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Bo has 20+ years of electrical engineering experience in healthcare, institutional, educational and commercial projects. Bo provides electrical engineering design for power distribution, emergency power generation, lighting, fire alarm, data & voice communications and security systems. His project management experience includes major power system projects for Surrey Memorial Hospital, Eagle Ridge Hospital, Chilliwack Hospital, Royal Jubilee Hospital, St. Paul Hospital, Burnaby Hospital and Richmond Hospital.

**EDUCATION**

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Bachelor of Electrical Engineering, Xi'An Jiao Tong University, Xi'An, China 1994

**PROFESSIONAL AFFILIATIONS**

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Association of Professional Engineers and Geoscientist of British Columbia EGBC  
Canada Green Building Council CaGBC

**CAREER**

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AG Engineering 2011 - 2017, 2020-Current  
Integral Group Inc. 2017 - 2020  
WSP(formerly as GENIVAR) 2008 - 2011  
RFA Consulting Electrical Engineers Inc.(GENIVAR Acquisition) 2005 - 2008  
China State Construction Engineering Cop. 1994 - 2005

**PROFESSIONAL EXPERIENCE**

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**Healthcare – Partial List**

- St. Paul's Hospital
  - Emergency Power & Generator Upgrade - new 4x1000kW generator & 25kV, 600V distribution
  - Cath Lab # 1 & #2 Upgrade
  - Multiple upgrade & renovation projects in StPH
- Royal Columbian Hospital
  - Data Centre Power Upgrade - New electrical system for Data Centre
  - 12kV Service Upgrade

- Electrical Master Plan (Phase 1) - new 3x3250kW generator, 25kV & 12kV distribution, 12kV ATS & new energy centre,
- Surrey Memorial Hospital
  - Energy Centre Upgrade - new 2x2800kW generators, 2x6000 kVA substation, H/V ATS system and renovation of 25kV, 5kV & 0.6 kV distribution
  - Building A, B, D & F electrical system Upgrade
- Chilliwack Hospital
  - Electrical Infrastructure Project; new 3x750kW generator, ATS, main distribution, a wing distribution and renovation of electrical rooms,
- Burnaby Hospital,
  - New Emergency Power System - 2 X 1000 kW Outdoor Generator
- Eagle Ridge Hospital
  - Electrical System Upgrade - 2x2000 kVA unit substation, ATS & main distribution,
- Delta Hospital and Ridge Meadows Hospital
  - MDR & OR renovation
- Fraser Canyon Hospital
  - Electrical System Upgrade - 2x500 kVA unit substation, 2x400kW generator, ATS & distribution,
- Surrey Outpatient Facility
  - Main Electrical system; 2x1500kVA transformer, ATS, 25kV & 0.6kV distribution
- Queen's Park Care Centre
  - Electrical System Upgrade – New 1000kVA substation, 400kW generator & distribution
- Royal Jubilee Hospital
  - Energy Centre & Site Infrastructure Upgrade - new 3x3000kW generator, 2x6000/9000kVA transformer, 25kV & 12kV distribution, 12kV ATS & new Energy Centre
- Saanich Peninsula Hospital
  - Electrical System Upgrade - 2x 750kVA transformer, 2 x 500 kW Generator & Distribution
- St. John Hospital - Electrical Infrastructure Upgrade
- Kootenay Lake Hospital - Emergency Power System Upgrade
- Numerous projects for ICU, OR, MDR, CT Scan, X-Ray, MRI, PET, CDU throughout facilities of FHA, VCH, IHA, VIHA, NHA, PHC, BCCA & other health care authorities