

## **Electrical/Mechanical Engineering Manager**

Detailed professional talent with 10+ years of experience in **Construction and High Voltage Power Grids seeking an Engineering or Manager's position. Economics and Enterprise Management Diploma.** Expertise working in commercial construction, high and low voltage power plants, power transmission and railways. Demonstrated ability to communicating, reporting, troubleshooting, research and management of various projects in 9 provinces across Canada. DETAILED ENGINEERING EXPERIENCE RECORDS ARE AVAILABLE.

**Key highlights:** commercial construction, mechanical and electrical design, **management**, Autodesk Revit, AutoCAD, engineering general review, **supervision**, site surveys, green energy, single line (riser) diagram, engineer, control systems, automation, **life & safety. Cross knowledge in mechanical and electrical engineering.** Coordination of work with architects and structural engineers. Strong communication and analytical background. Impeccable knowledge of detail-oriented projects with deadlines and successful completion of deliverables. Self-motivated, flexible, team and customer service focused. Field work experience.

Technical expertise includes:

<i>Software (proficient):</i>	AutoCAD, Revit, ArchiCAD, MS Office, SCADA (Siemens, GE)
<i>Design:</i>	Lighting, Power, Single Line (Riser) Diagram, Details, Fire Alarm, Life & Safety, Communications, Control Systems, Solar/Wind Energy Installation
<i>Code's knowledge:</i>	Ontario/National Building Codes 2012/2010, Ontario Electrical Safety Code 2015, National Electrical Code 2015, Fire Codes (NFPA), ASHRAE/SB-10

### **Experience Highlights**

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#### **Manager of Engineering Field Services (Electrical and Mechanical)**

2014 –present

*BnZ engineering*, Burlington, ON

<http://www.bnz-eng.com/>

*Company's expertise:* BnZ engineering provides Mechanical and Electrical Building Engineering services to the national accounts market throughout Canada. Projects are primarily in the restaurants & commercial building markets.

- Supervising and managing staff working in electrical and mechanical engineering general review program in accordance with Ontario Building Code 2012 - Division C - Sentence 1.2.2.1 (3) & Professional Engineers Act, "Regulations 941 and 260/08".
- Reporting directly to the Director of the company.
- Developed procedures and requirements to regulate the engineering general review services within the firm.
- Developed practices to regulate the communication between Clients, General Contractors, Consultants and Authorities having jurisdiction.
- Negotiated, managed and resolved concerns arising from Authorities having jurisdiction (Building, HVAC, Plumbing, Electrical, Gas, Life and Safety and Health inspectors).
- Protected the intent of Engineering Design and Contract Documents in front of Chief Building Officials, Chief Fire Marshalls and senior supervising Authorities.
- Managed the engineering side of construction in the best interests of Clients. Identified and professionally advised about reduction of cost and quality of construction installations. Proposed and clearly provided instructions and proposals of construction solutions.
- Provided engineering evaluation and detailed feedback to the Design Department on the implementation of Engineering Design in real construction installations.

**General Engineering Review Program Leader / Electrical Designer**

2009 –2014

*BnZ engineering* Burlington, ON<http://www.bnz-eng.com/>

- Supervising and managing electrical and mechanical general engineering program in accordance with the Code and Engineer's Act Requirements.
- Performed detailed analysis and evaluation of contract documents with relation to real construction installations.
- Performed site surveys and Developed designs and technical specifications, using CAD tools.
- Coordinated work with architects from KPaul, Intersekt and with structural engineers from IRC and multiple other firms.
- Performed construction site investigations, general engineering reviews & occupancy inspections. Created detailed reports and field directives. Negotiated work with City officials
- Developed fundamental skills in electrical, plumbing and HVAC system installations on-site
- Coordinated projects with clients, contractors and other engineers.
- Designed & inspected projects in Ontario, British Columbia, Alberta, Saskatchewan, Manitoba, Quebec, New Foundland and Labrador, New Brunswick and Nova Scotia.
- See list of projects attached.

**Control Systems Engineer** – Information Operation Department,

2007 –2009

*Power Grid Company of Unified Energy System (OJSC FGC UES) Khabarovsk Power Grids, Khabarovsk, Russia**Company's expertise:* High/Medium Voltage Power Plants and Distribution, Transmission Lines<http://www.fsk-ees.ru/eng/>

- Managed and supervised the team of six control systems professionals.
- Designed electrical and electronic circuits, components of control systems.
- Promoted from Systems Engineer to senior Control Systems Engineer within one year of commencing the position.
- Built automatic control systems.
- Supervised automatic control systems for power distribution.
- Supervised and inspected installation, modification, testing and operation of electrical and electronic systems.
- Prepared contracts/documentation and evaluated tenders for construction and maintenance of power control systems.
- See list of projects attached.

**Electrical Designer** – Department of Design

2006 – 2007

*Russian Railways – Ussuriisk Locomotive Repair Plant (ULRP), Ussuriisk, Russia**Company's expertise:* Repairing diesel locomotives, Production spare parts<http://rzd.ru/>

- Developed designs and technical specifications, using CAD tools.
- Produced complete sets of design documentation according to specified requirements.
- Coordinated projects with other departments within the company.
- Continuously liaised with customers from the onset to the culmination of the project.
- Proved developed designs.
- Participated in the installation, adjustment and testing of new designs.

## Volunteering

**President, Board of Directors**

March 2015 - present

*Halton Condominium Corporation #344, Burlington, ON*

HCC#344 is not-for-profit Corporation of the Halton Region in Ontario. HCC#344 plans, promotes, coordinates and supports well living of 28 families in City of Burlington. Its mission is to save and improve lives and housing through the constant professional development and maintenance of property.

**Mentor, The Mentoring Partnership Community Employment Services**

2016 – present

*Sheridan College, Oakville, ON*

Mentoring Internationally trained professionals into Canadian engineering field.

Career guidance, soft and hard skills review and development. Motivation and professional enhancement.

## Education & Credentials

**EPIC (Educational Program Innovation Centre), Mississauga, ON**

Fall 2016

*ELEC-A1 Electrical Circuits***EPIC (Educational Program Innovation Centre), Mississauga, ON**

Spring 2016

*11-CS-2 Engineering in Society – Health and Safety***EPIC (Educational Program Innovation Centre), Mississauga, ON**

2015

*ELEC-B7 Power Systems Engineering – Equivalent to University of Waterloo course***EPIC (Educational Program Innovation Centre), Mississauga, ON**

2014

*ELEC-A6 Power System and Machines Course – Equivalent to University of Waterloo course***High Honours in Sheridan College, Oakville, ON**

2009

*Enhanced Language Training Program for Internationally trained professionals***Diploma in Economics and Enterprise Management**

2006

*With honours**Far-Eastern State Transport University [FESTU], Khabarovsk, Russia***Honours of Electrical Engineering,**

2001–2006

Specialization: Electric Drives and Automatic Equipment for Industrial Installations and Technological Process Systems

*Far-Eastern State Transport University [FESTU], Khabarovsk, Russia***Bachelor of Engineering,**

2001–2005

Specialization: Electrical and Mechatronics Engineering

*Far-Eastern State Transport University [FESTU], Khabarovsk, Russia****Credential assessments are available***

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## Accomplishments

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- Awarded as Best student of ELT program in Sheridan College (2009)
- Awarded for contribution to development of Regional Power Grids of Far Eastern Russia (2008)
- Received the 2007 award for successful completion of projects designated by the CEO of ULRP
- Best graduate of FESTU (2006) / Best student of FESTU (2004, 2005)

## List of Work Examples:

### 2009-present:

- Electrical Design and Electrical & Mechanical engineering review of "Youth for Christ" Youth Centre in Waterdown. 3 level building. 12014 Waterdown, ON - Youth for Christ
- Tim Horton's Ottawa, ON St. Laurent Shopping Centre - Inline NDT
- Tim Horton's Toronto, ON 12 Queen's Quay W - Inline NDT
- Tim Horton's Ottawa, ON RCMP Head Quarters – Kiosk
- Tim Horton's Toronto, ON Humber College North - Kiosk-11
- Tim Horton's Toronto, ON 85 Laird Dr - Inline - LEED Project
- **Over 140 projects for Tim Horton's per year across Canada including Airports, Canadian Force Bases, Educational Buildings, Municipal and Governmental Buildings**
- Bulk Barn - Guelph, ON Woodlawn Rd W – LEED Project
- Bulk Barn - Laval, QC 2133 Boulevard des Laurentides
- Bulk Barn - Winkler, MB Winkler Crossing
- Bulk Barn - Moncton, NB Plaza Boulevard – Expansion
- Bulk Barn - Calgary, AB 4705 130th Avenue SE
- **Over 40 projects for Bulk Barn per year across Canada**
- Quiznos - 14675-Delta, BC Annacis Island
- Quiznos 14750-Grand Falls, NB Rue Oulette St
- Over 10 projects for Quizno's per year across Canada
- Yogurty's - Toronto, ON 4922 Yonge St.
- Longo's - Oakville, ON Chartwell – Mechanical Only
- Longo's - Vaughan, ON Rutherford Rd - Mechanical Only
- Longo's - Milton, ON - Mechanical Only
- Marshalls - Edmonton, AB Manning Town Centre – Design Review
- Chipotle - Mississauga, ON Square 1 - Chipotle Grill # 2143
- Chipotle - Toronto, ON Don Mills Centre - Chipotle Grill # 2142
- Chipotle - Vancouver, BC 818 Howe St
- Payless - Corner Brook, NFLD Corner Brook Plaza -
- Miller Tavern – Toronto Downtown, ON
- Goodness Me Store - Brantford, ON 605 West St -

### 2007-2009:

- Design of SCADA system based on General Electric SCADA and controllers – High voltage Power plant "Khekhcir-2". Reference Drawings E1, E2, E3

### 2006-2007:

- Installation of power connections for receptacles and lighting in Mechanical Master's equipment room. Reference Drawings E1-E2;
- The automation of air curtains. Reference Drawing E1, E2, Bill of materials.