

KHANATEK Technologies Inc.

Engineering / Project Management

Website: www.Khanatek.com



Office: #201, 7608 Gateway Blvd, Edmonton, Alberta, Canada T6E 4Z8

Hinton ECO-Industrial Park
Response to RFQ for Green Design Professionals

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Office: #201, 7608 Gateway Blvd, Edmonton, Alberta, Canada T6E 4Z8 Tel: (780)–701-2265, Fax: (780)–401-3301

Curriculum Vitae

Michael Lawal, M.Sc., MBA, P.Eng, PMP, LEED™ Accredited Professional

A Seasoned Engineer with over 30 years experience in design, construction, public utility, Oil and Gas, Metals Refinery and EPC environments, Mr. Lawal has strong background in consulting, business development and EPCM roles; with proven achievements in quality project delivery within budget and schedule. He is self-motivated, diligent and adaptable professional with effective leadership and multi-disciplinary team skills. He has been responsible for the management, design, installation and construction of a variety of engineering projects.

Education and Professional Accreditations

- M.Sc in Electrical Engineering from the University of Alberta – 1977
- A Professional Engineer, Licensed to practice Engineering in Alberta (M62543) - 2000
- PMP – (Project Management Professional) Certification from the Project Management Institute
- LEED™ Accredited Professional Certification from the Canada Green Building Council

Mr. Lawal also has a Master of Business Administration from the University of Ibadan, Nigeria. - 1983

Mr. Lawal has taken several professional development courses organized by the Canada Green Building Council, the Institution of Electrical and Electronics Engineers (IEEE), the Project Management Institute and he is currently registered to take the Advanced Building Energy Modeling (EE4) training workshop (April 4 & 5, 2006 in Edmonton) for the Commercial and Industrial Building Incentive Program organized by the Natural Resources Canada in association with Climate Change Central.

Mr. Lawal is a member of the Alberta Chapter of the Canada Green Building Council.

Professional Skills

Electrical Engineering Services Expertise

- Design and specification for Lighting, Fire Alarm, Communication and Power Systems
- Renewable power systems
- Power Quality Management
- Power System Reliability Studies
- Power Distribution and Relay Protection
- Motor Drives, VFD, UPS, Harmonic Filters
- Low/ Medium/ High Voltage Systems – Commercial and Industrial
- CEC, Safety Codes Application and Agency Liaison
- Hazardous Area Classification – Baseline and Updates.

Project Management Expertise

- Client Brief Development
- Opportunity Identification/ Proposal Development
- Project Risk Analysis and Contract Strategy Decision
- Bid Invitation and Evaluation
- Contract Administration
- Change Negotiation, Budget and Schedule Control
- Project Execution and Predictability Tools Application
- Quality Project Delivery Under Budget and Schedule

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Work History:

- Dec 2001 – Sept 2005 **SHERRITT INTERNATIONAL CORPORATION**, Fort Saskatchewan,
Maintenance Supervisor, Electrical / Instrumentation
- Oct. 2001 to Dec 2001 **THE DESIGN GROUP**, Edmonton, Alberta
Senior Electrical Engineer
- Mar. 2001 to Sept. 2001 **PRO-CONSULTING (DESIGN & BUILD) INC.**, Edmonton, Alberta
Electrical Engineer/Consultant
- 2000 to 2001 **Z.I. SOLUTIONS INC.**, Edmonton, Alberta
Electrical Engineer (Research and Development)
- 1998 - 2000 **AUTOMATIC CONTROLS LTD.**, Edmonton, Alberta
Project Manager/ Design Engineer

Corporate Profile:

Khanatek Technologies Inc. is an Alberta based Company, which was incorporated in the year 2002 and started operation in Sept 2005. Operating from Edmonton, the firm provides consultancy services in the field of Electrical Engineering and Project Management. We also offer Mechanical and Structural Engineering services (in association with other companies – our associates located in the same office) for a one stop engineering solution to your projects.

Michael Lawal, M.Sc., MBA, P.Eng. PMP, LEED™ A.P., President of the company is a Professional Electrical Engineer, a Project Management Professional and a LEED Accredited Professional with more than 30 years experience in the electrical engineering, consulting and the construction industry. He is a member of the Institute of Electrical and Electronic Engineers (IEEE), the Project Management Institute (PMI) and the Alberta Chapter of the Canada Green Building Council.

Khanatek Technologies Inc. is a member of the Canada Green Building Council and as a firm member the company is committed to working with Architects, Engineers and others in implementing sustainable, energy efficient and environmentally friendly designs that meet the requirements for LEED Certification, the Commercial Building Incentive Program or the Industrial Building Incentive Program of the Natural Resources Canada - Office of Energy Efficiency.

Our firm uses the latest technology and computer software in ensuring that our energy efficient and environmentally friendly designs are practical, cost effective and functional and meet the needs of our clients. Some of the software we use includes but it is not limited to the following:

- | | |
|---------------------------|--|
| Lighting Design Software: | Visual- Professional Edition
Visual Roadway Lighting Design Tool
Radiance – Lighting modeling software. |
| Electrical Engineering: | Various software for voltage drop calculations, underground cable design, Electrical Cost Estimating, various electrical systems design and simulation software etc. |
| Drafting Services: | AutoCAD |
| Building Energy Modeling: | EE4, EE Wizard |



RFQ – Green Design Professionals

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Khanatek Technologies Inc. maintains a policy of high-level involvement by its President and Key personnel in all projects. We pride ourselves in keeping abreast of the latest technical information, state of the art design technologies that provide high productivity as well as the latest information technologies in design, drafting, word processing, accounting and project management.

Scope of Practice

Engineering – Electrical

- Design of Electrical Systems
- Design of Electrical Infrastructure systems – Power Substations, Transmission and Distribution systems
- Preparation of Electrical Engineering Specifications
- Analysis of Construction bids for electrical systems installations

For

- Industrial
- Commercial
- Institutional
- Oil and Gas

Engineering – Mechanical and Structural (in association with other companies – our associates located in the same office)

Project Management



Utility Supply Point



Truck Wash and Shop Building



Fire Alarm Control



Make UP Air Unit

Project Experience:

Khanatek Technologies Inc. is a fairly new organization and the company is looking forward to its first LEED project. However, Michael Lawal, M.Sc., MBA, P.Eng., PMP, LEED™ A.P. have been involved with projects in which the LEED design philosophy have been used in the electrical design even though the projects have not gone for LEED certification. Some of these design philosophy are:

- Lighting Pollution reduction in lighting design with the modeling of site lighting using the Radiance computer modeling software and specifying appropriate full cut-off luminaries and/or low angle spotlights. The use of fluorescent, compact fluorescent lighting fittings and LED luminaries for energy consumption reduction and efficiency.
- Measurement and Verification systems for providing ongoing accountability and optimization of the building system energy consumption over time for all equipments using electrical energy.
- The use of renewable energy systems including Solar, Wind and Geothermal energy systems.

Some of the projects we have been involved in are as follows:

RFQ – Green Design Professionals

Hinton ECO-Industrial Pack

- 1. Truck wash and shops in Edmonton Alberta For Capital Trucks Equipment Company.**
In this project we were engaged to do the electrical design and the site review of the electrical system during construction of the project. The project was a 20,000 sq ft of floor space comprising of six bays. The east side of the building consisting of three bays is to be used for the building of truck bodies while two of the bays on the west side is to be used as a garage and the third bay on the west side is to be used as a truck wash.
We provided designs for Lighting, power, Fire Alarm, Equipment specification and construction documents.

Project Reference: Vijay Malhotra (Director)
Pro-Consulting (Design & Build) Inc
4914 – 20th Avenue
Edmonton, T6L 3C9
Cell: 1-780-619-4775

- 2. 14 Suite, 4 Storey Apartment Block on 127St and 127 Avenue, North Edmonton**
This project is a 4-storey, 14-suite apartment block consisting of 4No. 3-bedroom, 8No. 2 bedroom and 2No. one bedroom units.
We were engaged to do the electrical design and site review of the electrical system during construction of the project.

We provided designs for the lighting, power, fire alarm, telephone systems in the building.

Project Reference: Vijay Malhotra (Director)
Pro-Consulting (Design & Build) Inc
4914 – 20th Avenue
Edmonton, T6L 3C9
Cell: 1-780-619-4775

- 3. Oriental Temple (Sheiks place of worship) in South Edmonton**
This Project was an addition to an existing Oriental Temple in South Edmonton. Part of the additional space was to be used by children during worship and Part was to be used as a daycare centre.

We provided the electrical design and site review of the electrical system during construction. We provided designs for the lighting, power and additional fire alarm points tied to the existing fire alarm system.

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4. The New Asian Village Restaurant at 17507 - 100Ave Edmonton

This was an addition / renovation project. There was an existing restaurant on the site and the restaurant was being expanded from a 40 seat to a 67 seat restaurant with this project.

We were engaged to do the electrical design and site review of the electrical system during construction.

We provided designs for the lighting, power and fire alarm systems. One of the innovative ideas introduced on this project was the lighted water fall situated at the entrance as you enter the restaurant that gives the restaurant a unique atmosphere.

5. Peking Chinese Restaurant and Banquet Hall Fort Saskatchewan

The building was previously used as a bank branch and needed to be converted to a restaurant and banquet hall.

We were engaged to do the electrical design and site review of the electrical system during construction.

We provided designs for the lighting, Power and fire alarm systems

Other References:

Fayaz Chunara, P.Eng.
FCTelec Consultants Ltd
Cell: 1-780-6861257
e-mail: fayaz@fctelec.com

Ron Balsdon
Automatic Controls Ltd
Tel: 1-780-417-7000
e-mail: ron@automatic-controls.com

Eugen Ryll
Charger Installations (Electrical Contractors)
Cell: 1-780-499-5962
e-mail: eugen.ryll@charger.ab.ca

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Proof of LEED or other relevant Certification



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Green Building Service Category:

The following are the service category for which we have the qualifications and experience to provide added value, innovative ideas, practical and cost-effective design solutions to projects in your ECO-INDUSTRIAL DISTRICT.

- Building / Development rating and LEED Certification
- Building Energy Modeling
- Alternative Energy Systems - Solar, Geothermal, Co-generation etc.
- Selection, evaluation, and implementation of green technologies, including distributed energy systems
- Project Management

EIP Development Guidelines:

We have read and understood the EIP Development Guidelines and we have the qualifications and experience to provide developers /builders with innovative ideas, practical and cost effective design solutions to their projects in the service categories stated above. If engaged as a member of a design team for any of the above stated Green Building Service Category for any of the projects in the ECO-Industrial District we will work with other Green Building professionals to ensure that the objectives of the project conform to the guidelines as stated in the EIP Development Guidelines