

January 17th, 2018

30 Forensic Engineering

40 University Avenue
Suite 800
Toronto, ON
M5J 1T1

Subject: Senior Associate, Electrical Investigation

Dear Hiring Team,

Please accept this letter and attached resume as an expression of interest in the job opportunity “Senior Associate, Electrical Investigation” advertised on 30 Forensic Engineering website. With more than 10 years of experience overseeing engineering teams in developing, testing, and remedying technical engineering problems. I am confident my technical knowledge and analytical skills would be best employed by that position.


My résumé presents 10+ years of experience in power engineering field. I developed sound technical knowledge in planning, design and operation of electrical distribution systems, with practical knowledge of the national and provincial electrical codes. Moreover, my educational background helped me to better understand the construction and operation of power system in Ontario and North America.

I have obtained my Master’s degree in electrical power engineering and renewable energy from University of Waterloo in 2014. Currently I’m a licensed professional engineer (P.Eng.) at Professional Engineers Ontario, Canada

In the meantime, I’m the Engineering Manager at Airboss Rubber Solution, working in fast paced manufacturing environment helped me to develop my analytical and problem solving skills, as I’m required to investigate and find the root cause for each problem happens in the plant.

I enjoy team work and collaboration with various departments to achieve the corporate objective and customer satisfaction. I am confident of making significant contributions to 30 Forensic Engineering. I would welcome the opportunity to discuss how my experience and skills could be best employed by your company. I look forward to your response.

Sincerely,



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CAREER SUMMARY

Ten years of manufacturing experience with consistent increases of responsibility and challenge. Significant knowledge and expertise in maintenance and engineering area of a manufacturing plant. Able to present a vision and instill the motivation necessary for an organization to move in that direction, with the mental toughness and commitment not to waiver from the vision. An effective leader with a proven track record in a highly competitive environment.

SUMMARY OF QUALIFICATIONS

- Licensed Professional Engineer (P.Eng.) at Professional Engineers Ontario, Canada
- +8 years of manufacturing experience in the field of power system operation and design.
- 2 years of industrial experience in the field of Oil and Gas industry.
- Expertise in power system analysis, renewable energy, load flow studies, short circuit calculations, system restoration and self-healing
- Advanced theoretical and practical knowledge of power engineering
- Intermediate working knowledge of national and provincial electrical codes such as CSA, and IEC
- Solid knowledge of a vast variety of electrical design software packages
- Strong technical writing capabilities to write technical reports and preparing presentations
- Strong analytical skills to analyze and solve complex problems

INDUSTRIAL EXPERIENCE

Airboss Rubber Compounding Engineering Manager

**Kitchener, ON
Current Job**

- Provided leadership for the successful day-to-day operation of the maintenance and engineering department.
- Directly managed the utilities and achieved an operational savings of more than \$1.2m throughout managing global adjustment, demand response and save on energy programs
- Skillfully administering a \$3M capital budget and a \$2M maintenance expenses budget.
- Utilizing exceptional research and analysis talents to determine project needs and requirements and realize optimal client satisfaction.
- leading the continuous improvement activities in the mixer lines to increase gross utilization and equipment efficiency
- Provided technical support and project management to the sister plant in North Carolina
- Implemented maintenance best practices between different plant in the rubber compounding division
- Ensured adherence to health/safety procedures and policies
- Coordinated and directed work of outside contractors to insure quality completion of project and adherence to all applicable codes, regulations, laws and plant policies

Walid Fath, M.Eng, P.Eng.

Tel: (226) 929-1475

Algae Dynamics Corp. Process Development and Control Engineer

**Mississauga, ON
2014 - 2015**

- Participated in the product development cycle by defining the process variables and requirement
- Developed the control system of the bio-reactor and built a prototype for testing
- Installed and commissioned the control system in the industrial sized bio-reactor, and prepared all the project documentation
- Provided on-going support for modification and de-bugging of manufacturing equipment, resulting in a major reduction in down time.

Pirelli S.P.A Technical Office Engineer

**Alexandria, Egypt
2009 - 2013**

- Developed detailed work plans and schedules from initial design to implementation.
- Conducted feasibility studies and prepared bill of materials. Supported the procurement team in the purchasing process by evaluating the offer technically and financially
- Increased the reliability of the power supply by redesigning the main medium voltage distribution center and emergency power center. This new design saved about \$750K per year of the scrape product cost by preventing the electricity failures
- Designed an automated hot water station to accommodate the new expansion in the curing presses

Egyptian Drilling Company E.D.C Electrical Maintenance Engineer

**Cairo, Egypt
2006 – 2009**

- Hands on experience in troubleshooting and maintaining of electrical equipment
- Coordinated and performed the preventive maintenance program.
- Installed and commissioned new equipment such as standby generators, air compressors and air dryers

OTHER EXPERIENCE

University of Waterloo Teaching Assistant (ECE-462 Power Distribution Systems)

**Waterloo, ON
2014**

EDUCATION & CREDENTIALS

University of Waterloo

2013 -2014

- Master of Engineering in Electrical Power Engineering
- Certificate in Sustainable Energy

Alexandria University, Egypt

2001 -2006

- Bachelor of Science in Electrical Power Engineering

VOLUNTEERING WORK

- Egyptian student association (ESA), University of Waterloo, On
- KW gymnastics club “fundraising” , Kitchener, ON
- Club worriers Swimming club, Waterloo, ON