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Ashish Jaggi, P.Eng.

Electrical Engineer

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Education

DALHOUSIE UNIVERSITY

2012

Bachelor of Electrical Engineering, with Co-op Program

SAINT MARY'S UNIVERSITY

2009

Diploma in Engineering

Experience

ROAR ENGINEERING

2018 – PRESENT

Electrical Engineer

Conducted over 150 forensic investigations with strong attention to detail for residential fires, commercial fires and industrial accidents.

Maintained good relationship with clients by keeping them up to date about file status and by preparing comprehensive engineering reports in a timely manner.

Examined evidence from fires and electrical failures due to manufacturing defects, which helped clients claim subrogation.

Researched and reviewed new fire cases, CSA standards, building codes, fire codes and recall notices, so that I am always up to date with the industry standards.

IRVING TISSUE

2016 – 2018

Site Electrical Reliability Engineer

Site SME for automation, controls, electrical safety and engineering. Ensured compliance with Irving standards by machine OEM and electrical contractors.

Managed electrical and automation projects at the facility with focus on improving machine safety & reliability, upgrading technology and reducing production cost. Responsible for all project management activities including cost justification, estimation, planning, execution, control and close out.

Conducted RPN analysis to determine high risk equipment and developed 5-year plan to replace obsolete electrical equipment on site.

Improved site electrical safe practices, introduced procedure for documentation & risk mitigation of energized work and worked with contractors to conduct Arc Flash study for the site.

Leading RCFA for long and repeat breakdowns and troubleshooting the issues on machinery which helped reduce unplanned downtime for paper mill by 50%.

MICHELIN, WATERVILLE, NS
Electrical Design, Project & Reliability Engineer

2014 – 2016

Exhibited great attention to detail while documenting project scope, changes and safety specifications.

Collaborated with other members of the team to optimize reliability centered maintenance by replacing obsolete machinery with new and more reliable technology.

Responsible for the maintenance capital budget (more than 5 million/year) and managed maintenance projects.

Conducted regular meetings with team members and other engineers to verify projects were on schedule and within budget.

Diagnosed repetitive equipment problems based on data in Maximo (CMMS), and performing root cause analysis on major equipment failures.

MICHELIN, GRANTON, NS
Electrical Design, Project & Reliability Engineer

2012 – 2014

Managed capital projects from start to finish and worked till it was put in operation while making sure all projects met and exceeded CSA & OSHA requirements.

Optimized VFD programs on a machine to reduce downtime. This reduced the maintenance cost of the machine by \$5k per week in parts and labor alone.

Implemented an automated product verification process at tire building posts to eliminate fabrication errors and reduce scrap rate.

Designed, tested and commissioned a cooling conveyor project for \$75k, which was quoted for over \$200k by an external engineering firm.

Worked on engineering projects like integration of Budzar temperature control systems on extruders, E+L edge alignment systems, Cognex vision systems and barcode readers. Also, implemented safety light curtains, safe speed monitoring relays, and Sick area scanners.



MICHELIN, GRANTON, NS
Electrical Engineer (Co-op)

Summer of 2011

SYNCRUDE, FORT MCMURRAY, AB
Electrical & Instrumentation Engineer (Co-op)

Fall of 2010

NAUTEL LIMITED, HALIFAX, NS
Electronics Engineer (Co-op)

Winter of 2010

Additional Qualifications and Skills

Professional Engineers Ontario (PEO)

Engineers Nova Scotia (APENS)

National Association of Fire Investigators (NAFI)

Canadian Association of Fire Investigators (CAFI)

Engineering

Forensic Engineering, Project Management, Control & Safety System Design and Industrial Reliability, Availability, Maintainability and Safety (RAMS)

CAD Software

AutoCAD and SolidWorks

Programming

PLC, C/C++, VBA, SQL Queries and MATLAB

Machine Automation Software

CTSoft, M Connect, MentorSoft, Drive Executive, CCW, PanelBuilder, FactoryTalk View ME, RSLinx, RSNetworx, RSLogix 5/500/5000 and Studio 5000

Variable Speed Drives

PowerFlex, Kinetix, Unidrive, Mentor

Communication Protocols

Ethernet I/P, Controlnet, Devicenet, DH+ and RIO

Computer Skills

MS Office, MS Project, Lotus Notes, SharePoint, Maximo, PI System, JDE

