John te Bokkel

Electronics Engineering Technician

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Education

2004–2007 **Electronics Engineering Technician for Robotics and Process Control**, *Fanshawe College*, London, ON.

2001–2003 **Dogwood Diploma**, *Sardis Secondary School*, Chilliwack, BC.

PowerCore Engineering

Employment Detail

2007–2020 **Electronics Eng. Tech.**, *PowerCore Engineering*, London, ON, Automation specialist primarily assigned to Traction Motor Test Station support and design of new builds..

Projects

2019–2020 **Alternator Test Station**, *Progress Rail Services*, Winston-Salem, NC.
AC & DC Alternator Test Station

2017–2018 **Traction Motor Test**, *Progress Rail Services*, Redbank, QLD, Australia.
AC & DC Traction Motor Test Station

2015 **Traction Motor Test**, *Progress Rail Services*, Muncie, IN.
DC Traction Motor Test Station

2014–2015 **Traction Motor Test**, *Progress Rail Services*, East Chicago, IN.
AC & DC Traction Motor Test Station

2013 **CAT Traction Motor Test**, *Electro-Motive Diesels*, San Luis Potosi, Mexico.
Caterpillar Traction Motor Test Station

2011 **Boost Heater Supplies**, *Electro-Motive Diesels*, San Luis Potosi, Mexico.
Power Supplies used during the varnish baking process of traction motor stators

2011 **Zero Crossing Switching**, *Great Lakes Copper*, London, ON.
4160V Induction Heaters were using contactor to switch on 4160V transformers. This would result in transient events on the factory power distribution. Switching the contactors timed to close at the zero crossing of the AC power eliminated these transient events

2009–2010 **AC & DC Traction Motor Test Station**, *Electro-Motive Diesels*, San Luis Potosi, Mexico.
AC & DC Traction Motor Test Station

2009 **AC Traction Motor Test**, *Electro-Motive Diesels*, Yongji, China.
AC Traction Motor Test Station

Responsibilities in listed projects

Quote & Spec	Work with customer to define project objectives and provide quotation detailing scope, responsibilities, and price
Electrical Design	Design and draw electrical schematics
Layout Design	Layout floor space and cabinets using Autodesk Inventor
Part Design	Design custom parts using Autodesk Inventor
PLC Programming	Program PLC to perform routine tests on Traction Motors
HMI Programming	Program HMI to interface with PLC and provide feedback to operators
Installations	Oversee installation of equipment on-site
Commissioning	Commission completed system.
Support	Continued support of installed projects

Other roles and responsibilities

Electrical Maintenance	Maintenance testing of 480V, 600V, 4160V, & 27.6kV breakers, switches, transformers, etc.
Installations	Assist in installations of electrical power distribution equipment
VFD Projects	Design and commissioning of VFDs
IT	Linux Server Administration

Languages

English	**Native Language**

Computer skills

Programming	Python, C/C++, Codesys (IEC 61131-3)	Database	MS SQL, PostgreSQL, MySQL
Productivity	LaTeX, Excel, Word	Operating System	Windows, Linux
CAD	AutoCAD, AutoCAD Electrical, Autodesk Inventor	Comm. Protocols	TCP/IP, MODBUS, CAN Open, Profibus, RS232