

EUGEN LUCA

PROFESSIONAL PROFILE:

- Seventeen years experience maintaining and troubleshooting automated and robotic systems.
- Sixteen years experience designing pneumatic logic and developing solutions for custom automation, testing procedures and technical documentation.
- Fifteen years experience installing, commissioning and servicing automated robotic fluid delivery systems.
- Over 12 years experience as a field service technician with strong customer support and training skills.
- Six years experience as field technician in the water/wastewater industry performing calibration/verification services to a wide range of laboratory and online instrumentation.
- Creative thinking and logical problem solving working under pressure on time critical systems.
- Twelve years experience with computer hardware, networking and various computer software packages.
- C.Tech (Certified Technician) OACETT.

WORK HISTORY:

January 2011 – present **Service/Field Technician**

Clartech Industries - Toronto, Canada

In charge of province of Ontario performing onsite and bench verification and calibration for a wide variety of online and portable laboratory instruments, such as: Spectrophotometers, Turbidity meters, pH meters, Chlorine Analyzers (colorimetric and amperometric versions), Particle Counters, DO and LDO, analytical scales, portable colorimeters. Manufactured by : Hach, Lovibond/Orbeco, Thermo Scientific, Prominent, Wallace & Tiernan, Swan, Siemens, Fisher Scientific, GLI, Hanna, Realtech UV.

Entrusted with company car and credit card, being able to work with minimal supervision and act as a liaison between customers and sales team. Other responsibilities as assigned by the Service Manager, consisting but not limited to: customer support on technical issues, installation of new equipment, running onsite trials for qualifying new equipment.

December 2009 – January 2011 **Maintenance Supervisor**

ABC Exterior Systems - Toronto, Canada

In charge of daily activities of a team of 8 people (3 licensed millwrights and electricians) in a unionized environment, reporting to the maintenance manager.

- Scheduling shifts and department resources to accommodate a dynamic production environment.
- Cross training of all maintenance employees on paint equipment, robotics and process automation.
- Ensuring correct preventive and predictive maintenance routines are carried out. Implement new maintenance tasks on PM software.
- Helping improving diagnosis and problem resolution through analysis of process and determining root causes in order to avoid repeated breakdowns related to the same issues.
- Scheduling activities of outside contractors and supervising quality of work performed.
- Writing technical documentation, developing system drawings, updating information for new installed equipment and automation logic.
- Providing technical expertise to engineering department for new systems and automation projects.

March 2003 – December 2009 **Technical Specialist / Field Technician**

Yorke Towne Supplies Ltd. - Toronto, Canada

Being the company's main technical resource as well as being in charge of all aspects of project management and commissioning presented a lot of daily challenges but also afforded me the opportunity to develop a unique set of skills outside my technical core competency. I have been heavily exposed to customer support and training, managing installation and commissioning of systems while working in a very timely sensitive and demanding environment.

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Through my efforts I have increased YorkeTowne business in the automotive sector by 100%. I have also brought new business in the form of equipment upgrades to 2 major Tier 1 automotive suppliers, worth \$ 750.000. While being able to retain previous customer base, I have also helped YorkeTowne expand its business into adjacent markets (such as woodworking and high end body shop) through successful completion of more than 15 projects conducted in Southern Ontario and Eastern Europe.

Other duties:

- Working in conjunction with OEM to setup test sites for operating newly designed automated fluid delivery machines. Debugging mechanical and electrical, logging performance data, reporting operational status and providing input for further improvement prior to market release (on site).
- Developing Custom Training Materials, Work Instructions and Technical Documentation for customers.
- After hours (on site) customer support.
- Providing drawings and schematics for installed systems (AutoCAD Light 2000).
- Process improvement. Working with customers to identify and address process performance issues and proposing solutions to correct or optimize.

March 1999 – March 2003 **Technical Specialist / Field Technician**

Spray Quip Ltd. - Brampton, Canada (acquired by Yorke Towne Supplies Ltd.)

The company needed someone with special problem solving skills, capable of resolving a wide range of one time issues and finding solutions to reduce customer's downtime, as well as meeting deadlines for systems installations.

While working at Spray Quip, I have successfully achieved the company's goal to put in place 4 major automotive projects worth more than \$ 2.5 million dollars in Canada and the U.S.A. and acted as the main technical advisor for approximately 25 other smaller projects worth around \$ 1.5 million dollars.

I was also responsible of managing a small department of 2 technicians as well as interfacing with customers in order to provide technical advice, training and process improvement solutions (equipment updates, obsolesce retrofitting and communication of new technologies).

Other duties:

- Providing support for integration and interfacing between fluid delivery systems and industrial robotics.
- Testing and calibration of closed fluid loop control on automated GRACO-PMIX machines (on site).
- Sizing of fluid delivery systems and components and design of custom fluid delivery solutions.
- Board level and controller testing (PLC and I/O communication).
- Design and execution of pneumatic logic and pneumatic enclosures.
- Perform service calls and maintenance (on site and after hours).
- Work with customers to develop specific maintenance programs and scheduling for equipment repairs.
- In house and on site training programs. Developed custom procedures and training materials.

September 1993 - March 1999 **Industrial Mechanic / Maintenance Supervisor**

Tarxien Components - Concord, Canada

Acting as a maintenance mechanic I was capable of keeping the production line running almost 24 hours a day on 7 days a week rotating shifts environment. Main responsibilities included all mechanical troubleshoot for FANUC industrial robotics and all other automated machines integrated with them. I have also managed the maintenance department activities (two mechanics and two apprentices), reporting to Engineering and Maintenance manager.

Other duties:

- Set-up and implementation of preventive maintenance programs.
- Integration of automated machinery with plant network and PLC.
- Training robot Technicians (implementing Fanuc P-155 robots into production).
- Schedule maintenance department activities and outside contractors work.
- Design and build pneumatic systems and control panels.

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- Implementing safety devices, integration of new or existing safety control devices with plant automation.
- Generate system drawings and schematics (AutoCAD Light 2000).

EDUCATION:

- Water Treatment Plant Operation – Volume 1 - California State University, Office of Water Programs, online - February 2013
- Small Water System Operation & Maintenance - California State University, Office of Water Programs, online - February 2012
- Online & Handhelds Water/Wastewater Analyzers – Thermo Scientific Manufacturer Training – March 2011, Boston, USA.
- C.Tech OACETT – Certified Technician OACETT - October 2010.
- ISO 9001:2000 QMS Internal Auditor Training - Certificate - 2007, QMI, Mississauga, Ontario, Canada.
- ISO 14001:2004 EMS Internal Auditor Training – Certificate - 2007, QMI, Mississauga, Ontario, Canada.
- Precision Mix II Integration and Automation – Certificate - 2001, Graco, Minneapolis, USA.
- Fundamentals of Allen Bradley Programmable Controllers – Certificate - 2000, Rockwell Automation-Allen Bradley, Cambridge, Ontario, Canada.
- Web Production – HTML Programming – Certificate - 2000, Humber College, Toronto, Ontario, Canada.
- Industrial Mechanic-Millwright – License - 1995 - 1998, Sheridan College, Oakville, Ontario, Canada.
- Course of Instruction FANUC P-155 Industrial Robots – Certificate - 1997, Fanuc Robotics, Detroit, USA.

LANGUAGES: English and Romanian.

REFERENCES: Extensive references and proof of personal involvement with projects and duties described above.