



MAKING PLANTS SMARTER.

**Eric Gaudreau** Controls Engineer, Plant Performance Services  
Capella University, Bachelor of Science, Information Technology  
Dunwoody College, AAS, Electrical Construction & Maintenance

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## Performance Services

Eric has over 12 years of process control experience in the steel and glass industries. His experience in project management includes estimation, design, implementation, startup, optimization, and training. His expertise includes instrumentation and control systems, motor control centers, medium voltage switchgear, variable speed drive systems, PLC programming, HMI development, and various energy reduction projects. Eric also has experience with contractor management and plant outage project management. He is also an experienced Plant Maintenance Supervisor.

### Highlights

North Star Steel—Managed \$150K arc furnace regulator control system upgrade project; including design and implementation of PLC-based technology and enabled a reduction of >\$1M/yr in energy and electrode costs.

North Star Steel—Developed PLC-based interface for a Manufacturing Execution System (MES) project. This system is used for real-time plant floor reporting and monitoring that feeds activity data back to the ERP system to improve product scheduling and tracking.

Owens Corning—Developed PLC-based control system to track product weights. Project enabled a savings of >\$480K/yr by improving product density efficiency.

Owens Corning—Developed a compressed air conservation program which saved >\$250K/yr by reducing electrical energy costs.

Optimized boiler control system and operating procedures which saved >\$100K/yr by reducing energy, water and sewer costs.

Owens Corning—Led several projects to upgrade analog DC drive systems to current AC drive technology. Project enabled savings of >\$100K/yr by improving speed regulation and improving drive system reliability.

Kansas City Metropolitan Community College, Business & Technology Campus—PLC Programming Instructor.

### Technical Experience

Class "A" Electrical Journeyman License

PLCs: Allen Bradley PLC-2, PLC-5, SLC, Micrologix, Compact Logix. Control Logix 5000, ABB Masterpiece, ABB Advant, Reliance Automax, GE Fanuc

SCADA & HMIs: Wonderware Intouch & INSOL, USData Factorylink, Rockwell Automation RView32 & RSQL, Allen Bradley Panelview & Panelmate, Reliance SIGMA, Power Measurement ION Enterprise, Aspentech IP21

Programming Languages: Microsoft Visual Basic, C++, BASIC, HTML, XML, SQL, Ladder Logic, Sequential Function Chart, Function Block, Scripting, Java

Continued Education: High Voltage Safety, Combustion Safety Systems, Software Design, A+ Operating Systems, Network+, Project Management, OSHA Regulations

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