**Advanced PLC Programming**

**Course Objectives:**

* Read & interpret common through more advanced ladder logic programming for PLC.
* Logically troubleshoot common through advanced PLC problems.
* Searching / Finding program components, instructions, or addresses.
* Speed tricks & tips when troubleshooting &/or programming.
* Program / edit PLC programs (when appropriate).
* Procure detailed Understanding of processor operation.
* Procure detailed Understanding of IO wiring & layout as applied to troubleshooting.
* Acquire ability to fully utilize all features of PLC software.
* Acquire ability to implement advanced tools included in professional PLC software.
* Understand advanced programming instructions.
* Understand & be able to observe / basically tune PID loops & the PID instruction.
* Understand & be able to troubleshoot Message instructions & communication systems.
* Safely perform all common procedures & tasks related to PLC‘s.
* Acquire ability to design, plan, troubleshoot, & program increasingly complex PLC systems.

**Course Outlines:**

* Overview of PLC programming techniques, Ladder logic programming, Functional block diagrams, Instruction lists (IL) programming, Sequential function charts (SFC) programming, Structured text (ST) programming, Jump & call, Master Control Reset (MCR) Programming, PLC programming for timers & counters, Data handing techniques in PLC, Pointers & indirect addressing in PLC, Implementation of PID controller using PLC, Batch processing & sequential control, Other advanced PLC applications.

**Who Should Attend?**

* Control engineers, managers, supervisors & technicians with 5 years of experience.

**Duration:** 5 Days

**For more information:**

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