CompactLogix Fundamentals and Troubleshooting

Studio 5000 Logix Designer
Level 1

CompactLogix Fundamentals and Troubleshooting

Programme Description

Upon completion of this course, you should be able to troubleshoot a previously operational CompactLogix™ system and restore normal operation.
In this course you will develop and practice these skills by:

- Learning basic concepts and terminology used with:
    - CompactLogix system hardware
    - Studio 5000 Logix Designer® application
- Practicing a systematic strategy for diagnosing and troubleshooting problems:
    - Faulty/malfunctioning field devices
    - Controller, I/O, or other hardware issues
    - Electrical Noise
    - Configuration issues
- Performing hands-on exercises

All Logix5000™ systems use the same control engine; therefore, tasks are similar. You will see applicable references for other systems.
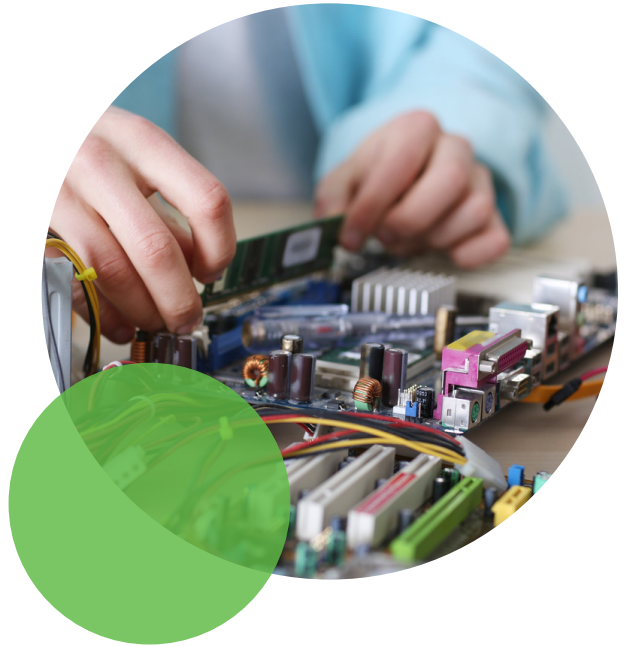
Who Should Attend?

This course is intended for individuals who need to maintain and troubleshoot a CompactLogix system – but have little or no current working experience with CompactLogix systems.

Programme Agenda

- Locating CompactLogix Systems Components
- Navigating through the Logix Designer Application
- Connecting a Computer to a Communications
- Network
- Downloading and Going Online
- Locating I/O Tags and Devices
- Interpreting Logix Designer Project Organization
- and Execution
- Interpreting Ladder Logic Structure
- Locating and Editing Tag Values
- Interpreting Bit Instructions
- Interpreting Frequently Used Instructions
- Interpreting Arrays
- Interpreting Tags of User-Defined Data Types
- Searching for Project Components
- Integrated Practice – Interpreting a Basic Project
- Forcing I/O and Toggling Bits
- Troubleshooting Digital I/O Problems
- Troubleshooting Analog I/O Problems
- Troubleshooting Banked Local I/O and Distributed
- I/O Problems
- Updating Logix5000 Firmware
- Troubleshooting Controller Problems
- Troubleshooting Power Supply Problems
- Analyzing and Troubleshooting a System Using a Trend Chart
- Integrated Practice-Troubleshooting Basic Projects
- Editing Ladder Logic Online
- Managing Logix Designer Project Files
- Documenting and Printing Components
- Troubleshooting Noise-Related Problems

CompactLogix Fundamentals and Troubleshooting

Industry 4.0

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Programme Outcomes

Upon completion of this course, you should be able to troubleshoot a previously operational ControlLogix® system and restore normal operation.

Price

€1561 per person

With an additional Skillnet discount

Prerequisites

To successfully complete this course, the following prerequisites are required:

- Ability to perform basic Microsoft Windows tasks
- Previous experience with common industrial control system concepts

Register Now

You can contact us on our website here to register your interest in this programme.

Duration:
4.5 days

Upcoming Dates:
Enquire for upcoming dates on the Skillnet website

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