



for a greener tomorrow



# CNC PLC Troubleshooting Training

## PLC

### Course Description

CNC PLC Troubleshooting Training	
Course Code	MEPLC0-0101
Course Credits	4.0 credits
Length	3 Days
Price	\$2,000
Prerequisite	None

#### INTRODUCTION

This course is intended to explain the Mitsubishi Electric CNC PLC concepts through lecture and hands-on practice. Upon completion of this course, maintenance employees will have a fundamental understanding of the CNC PLC and should be able to troubleshoot any machine-side PLC problem.

#### WHO SHOULD ATTEND?

This class is intended for students who are interested in learning how the Mitsubishi Electric PLC works with the CNC software and how to effectively troubleshoot machine-side problems through the ladder.

#### COURSE HARDWARE

Laptops with GX Developer and/or GX Works will be provided.

#### PREREQUISITES EXPLAINED

No prerequisite required. A basic understanding of PLCs is not necessary but will be helpful. **Note: This training is designed only for customers who have CNC equipment.**

#### COURSE OUTLINE

- LESSON 1 Basics of PLC
- LESSON 2 Applying Logic Gates
- LESSON 3 PLC I/F
- LESSON 4 Hardware and Connections
- LESSON 5 Using GX Developer and/or GX Works
- LESSON 6 Creating a Ladder File
- LESSON 7 Creating a Message File
- LESSON 8 Alarms
- LESSON 9 PLC Parameters
- LESSON 10 PLCWIN
- LESSON 11 FO Page
- LESSON 12 Troubleshooting

#### CERTIFICATION LEVELS

Become a Mitsubishi Electric Level 1 Certified Specialist by taking only two additional classes along with this one – MEPRGO-0101 and any NC Maintenance class of your choice. Learn about Level 2 Master Certification and Level 3 Expert Certification [here](#).

#### MITSUBISHI ELECTRIC AUTOMATION, INC.

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