

GE FANUC 90-30**GE-Fanuc 90-30 PLC Systems & Maintenance**

This course has been designed to familiarise Maintenance Engineers with the many different aspects associated with the operation and maintenance of the Alspa programmable controllers.

Where possible, application specific exercises, actual drawings and programs listings are used to allow the students to gain the greatest possible benefit from the course.

Objectives

To introduce students to the concepts and operation of GE Fanuc programmable controllers, including the following areas:

- ✓ Locate and replace faulty modules.
- ✓ Fault finding on Genius communication links.
- ✓ Using Logicmaster or VersaPro or Proficy machine edition to connect online and monitor programs to determine plant problems.
- ✓ Reload programs.
- ✓ I/O Fault finding.
- ✓ Implement small changes to the program.

COURSE CONTENT

- ✓ The hardware architecture of the series 90 controllers.
- ✓ I/O Modules and wiring.
- ✓ Hardware configuration.
- ✓ Addresses used in the series 90 controllers.
- ✓ Program structure, creating blocks and block declaration.
- ✓ First steps with the programmer.
- ✓ Quick keys used on the programmer for: Mode selection, run/stop.
- ✓ Creating a Folder.
- ✓ Loading and save Folders to the PLC.
- ✓ Online monitoring and searching.
- ✓ Using and creating program documentation.
- ✓ Editing and modifying programs.
- ✓ Instruction set: Relay, maths, move, compare and logic functions.
- ✓ Copying and backing up folders.
- ✓ Analogue modules and analogue scaling.
- ✓ Introduction to Genius communications.
- ✓ Concept of System bits.
- ✓ Data monitoring using the reference tables.
- ✓ Forcing Facilities.
- ✓ Other communication options.
- ✓ Faulting tables.
- ✓ Diagnosis and resetting faults.
- ✓ Documentation using the variable declaration and rung comments.
- ✓ Application exercises on your plant exercises.

Course Reference
GEFCM

Course Duration
4 Days

Documentation
90-30 Programming
Maintenance
Training Manual.

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