

HPCI**HPCi Maintenance Course**

The course has been designed to familiarise electricians, technicians and maintenance engineers with the many different aspects associated with the operation and maintenance HPCi 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 HPCi controller, including the following areas:

- ✓ Hardware Overview.
- ✓ Types of Variables
- ✓ Searching
- ✓ Editing and Download function block
- ✓ Local and Global Variables
- ✓ Understanding the Flash Card
- ✓ Program Structure
- ✓ Monitoring the program
- ✓ Addressing and documentation
- ✓ Monitoring Data
- ✓ Communications
- ✓ Loading programs
- ✓ I/O Communications

COURSE CONTENT

- ✓ Introduction to PILOT P80 P on which the HPC software runs.
- ✓ Navigating around pilot.
- ✓ The hardware architecture HPC controllers.
- ✓ Understand the structure and reason for the flash card.
- ✓ I/O Modules and wiring using the fast I/O and Beckhoff I/O.
- ✓ Introduction to the P80i
- ✓ Description of Global Variables and Documentation
- ✓ Description of Local Variables and Documentation and the KKS structure.
- ✓ Introduction HPC program structure
- ✓ Searching and cross referencing
- ✓ Loading a program to the target use Load and Swap, Load restart and load and init.
- ✓ Monitoring the FBD program
- ✓ Introduction to the FBD instruction set and the various libraries
- ✓ Small edits in function block diagram in documents
- ✓ Build a program and interrupting error messages
- ✓ Program documentation
- ✓ Information and commands of tasks and resources
- ✓ I/O Configuration
- ✓ Introduction to PERTU the logging software
- ✓ Interpretation of CPU Status

This course will contain detailed application exercises.

Course Reference
HPCi

Course Duration
4 Days

Documentation
HPCi
Training Manual.

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