Robotics

RobotStudio 5
Online system managment

Course Outline

Duration 1 day
Engineers responsible for installing and maintaining IRC5 robots
Students must have experience with Microsoft Windows and attended the IRC5 Operator course or working knowledge of the topics covered.

Subject areas

Introduction to RobotStudio 5
Description of products, purpose and features
Licensing and FOC functionality
Interface, menus, browser, toolbars

Installation of RobotWare and RS
Installing, Licensing

Online
Connecting laptop to robot using the Service port
Requesting 'Write Access' controller
Grant / revoke message
Connecting via Ethernet / requirements

Backup and Restore
Using Online and FlexPendant

File management window
FTP, file transfer between robot Hd0a and PC

Task window
Remote program execution

Terminal
Serial Connection to console

Program editor
Editing and applying changes to the rapid program

FlexPendant viewer
Viewing the FlexPendant real-time image on your PC

System builder
Create robot operating system
Download to controller
Methods of restarting controller

System parameters
Creating and editing parameters

User Authorisation System
Setting up users and passwords

Virtual Robot and FlexPendant
Creating a virtual replica of your robot system

Objectives
On completion, participants will be able to perform:

☑ Successful connection of laptop to robot's Service port
☑ Request and gain 'Write Access' to controller
☑ Perform 'Backup' of robot system
☑ Build, download and install robot operating system
☑ Create and edit System Parameters
☑ Setup a `User' with password authorisation

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