Course Outline
Duration 2 days
Beneficial to Robot Operators and maintenance staff

Subject areas

Safety Instructions
Emergency stops
Enabling device
Cell interlocking and modes of operation
Brake release and Pinch points
Program reset and Collision awareness

System Description
Robot and external mechanical units
Control system, Operators panel and FlexPendant
Start up and Shut down procedures

Program Operation
Starting, stopping and stepwise program operation
The program Editor and Production windows
Teach, Test and Production operation
Override speeds
Continuous & Cycle running modes
The Program and Motion pointers

Jogging the robot using the joystick
Axis and Linear jogging
Tool Re-Orientatation
Coordinate systems
Jog speed and incremental positioning

Event messages and logs
Error identification
Recovery

Changing a Program
The program Editor
Move instructions (MoveJ, MoveL & MoveC)
Modifying Positions

Tool Centre Points
Tool centre point appreciation

Work object coordinates
Workobject appreciation

Using Inputs and Outputs
Input / Output signal appreciation
Input Output window
Operating Wait input instructions

Program Structure appreciation
Routines and program flow
Debug menu and program reset
Modules
Backup and Restore
Mass memory storage (hd0a and memory stick)

Objectives
On completion, participants will be able to perform:

☐ Safe program operation
☐ FlexPendant operation
☐ System start up, shut down and error recovery
☐ Jog the robot with the Joystick
☐ Modify program positions
☐ Backup and Restore system information

For further information please contact the Training department
Email: robotics.training@gb.abb.com
Telephone: 0044 (0)1908 350499