

# UK R569 IRC5 SafeMove

## Course Outline

Duration 2 days

Beneficial to programmers, operators and maintenance staff

Students must have attended the IRC5 Programming and Operation Course or have an extensive working knowledge of the topics covered.

Attendance of the IRC5 Advanced Stage 1 course is advantageous.

## Subject areas

### Overview

Hardware

General functions

Category 1 and 0 Safety Stops

### Active Functions

Safe Stand Still

Safe Axis Speed

Safe Axis Range

Safe Tool Speed

Safe Tool Zone

### Passive Functions

Monitor Axis Range

Monitor Stand Still

Monitor Tool Zone

### Support Functions

Cyclic Brake check

Safe Brake Ramp

### Safety Violation

Violation Recovery

Override

### Synchronization

Synchronization Switch (Single & Dual Channel)

Software Synchronization

PreWarning

### EIO Configuration

Virtual Board

Cross Connections

Antivalent & Equivalent Signals

### RobotStudio

UAS Configuration

EIO Configuration

Safety Configuration

Tool Zone Visualizer AddIn

### Objectives

On completion, participants will be able to perform:

- ☒ SafeMove Install and Configuration
- ☒ Synchronization
- ☒ Recovery from Safety Violations