



## TOYOPUC DIRECT MONITOR (HMI) TRAINING

### Module 1. Direct Monitor Operation

- a. Different Formats of Screen
  - i. Screenworks
    - 1. Basic operation
    - 2. Different sections of the screens.
  - ii. Screenhelper
    - 1. Basic Operation
    - 2. Different sections of the screens
      - a. Standardization of display
- b. Features of Direct Monitor
  - i. SFC Monitor
    - 1. Monitor ladder logic
    - 2. TMR/CNT value change
    - 3. Register IO monitor
    - 4. IO Force on off
    - 5. Circuit monitor
    - 6. Safety PLC monitor
    - 7. Search
    - 8. Configuration Menu
  - ii. Maintenance Tools
  - iii. Control Panel/Systemset
    - 1. Backup
    - 2. Install
    - 3. Language Change

### Module 2. Screenworks Software/Programming

- a. Difference between IPP file and XLS.
- b. Basic operation
  - i. Open
  - ii. Close
  - iii. New
  - iv. Save
- c. Functional Objects
  - i. Buttons
  - ii. Lamps
  - iii. Tables
- d. Sheets
  - i. Creating Sheet
  - ii. Opening Sheet
  - iii. Editing Sheet
- e. Macros
  - i. Switching Screens
  - ii. Opening applications



## TOYOPUC DIRECT MONITOR (HMI) TRAINING

### Module 3. ScreenHelper Software/Programming

- a. Difference between IPP file and XLS.
- b. Basic Operation
  - i. File Creation
  - ii. Restore System
  - iii. Version Up
- c. Editing Pages
  - i. Whole Setting
    - 1. Different Screen Functions
    - 2. Auto Screen Switching
    - 3. Circuit Monitor Window
  - ii. Shift Setting
  - iii. Fault Table
    - 1. Fault Number Addressing
  - iv. Text Setting
  - v. ALARM Page
    - 1. Parameters
      - a. Lighting
      - b. Blinking
      - c. Screen Switch
  - vi. MANUAL Page
    - 1. Lamp Setting
    - 2. Button Settings
      - a. Lighting
      - b. Blinking
      - c. Output
      - d. Operation Condition
  - vii. Special Displays
- d. Convert
  - i. How to Save data
    - 1. Convert from XLS to IPP
  - ii. Download

### Module 4.