

# Training program IEC61131-3

## Program

### Day 1:

- Presentation of Copadata and Straton
- PLCOpen and IEC61131-3
- Getting Started
- Theory
  - o Cycle
  - o Program
  - o Sub-Program and Function Blocks
  - o Variables
  - o Constant expressions
- Programming languages :
  - o Structured Text
  - o Function Block Diagram
  - o Ladder Diagram
- Test sequence
- Graphics

### Day 2:

- Programming languages : SFC
  - o Getting used
  - o Steps
  - o Transitions
  - o Children
- Libraries and External objects
- Definitions
- Sub-Program and Function Blocks
- Debug tools
- Resources
- Compiling and execution options

### Day 3:

- Fieldbuses configuration
  - o Depending on customer needs
- Q & R
- Practice project
- Quizz

## Objectives of the training course



Programming, exploitation and maintenance of the applications of automatism in conformity with the IEC 61131-3 standard.

The theoretical talks represent approximately half of the training course and are followed of practical exercises making it possible to concretize the theoretical concepts.

*Our company is certified Training Center by PLC open organization.*

## People concerned

Technicians and engineers of the Services having in charge the programming and maintenance of these applications.

The people who will follow this training must have basic knowledge on 'C' language and must control Microsoft Windows.