TwinCAT 3 Training: PLC Software Programming

Prerequisite: Students are expected to know how to “Scan Devices” and Link variables before attending class. This topic is covered in Detail in TR3010.

3 Days

TwinCAT PLC Control
Variables
  Variable Types
  Declarations
  Variable Scope
  Initial Values
  Constants

Languages of the PLC
  IL – Instruction List
  LD – Ladder Diagram
  FBD – Function Block Diagram
  SFC – Sequential Function Chart
  ST – Structured Text

Loading and Running the PLC
  Online Changes

Functions
  Standard
  User Created

Function Blocks
  Standard
  User Created

Libraries
  Adding Beckhoff Libraries
  User created

Flow Control
Search and Cross Referencing
Boot Project
  With and without Encryption
Structures
Enumerations
Arrays
Scope View