

# C011 ~ SCADA& HMI (5 days)

## SCADA

- Need, Concept and Basic Features of SCADA
- Hardware and Software requirements for SCADA

## Window's Control Center (WinCC) Software for SCADA (WinCC - Advanced)

- Introduction, Getting Started and Creation of New Project
- Components, Tag Concept and various Tags in WinCC Advanced
- Creation and Linking of Tags with PLC

## System Graphic Designing

- Digital and Analog Supervision & Control through Graphic Screen
- Graphic Object Pallets and Library (Standard, Smart and Windows)
- Creating Process Pictures with Active X Control and Methods Objects Dynamic
- Navigator and Face Plate Designing

## Data Acquisition, Messages and Alarms

- Archiving various Tags and On Line and Historical Trending and Table Display
- Displaying, acknowledging and Resetting Messages & Alarms (Digital and Analog)

## Other Supportive Features

- Recipes Generation & Selection; Standard Report Generation, User Administration
- Cross References and Project Backup

## Human Machine Interface (HMI)

- HMI Types (OP / TP) and Software requirement for SIEMENS make
  - HMI Specifications and Selection Criteria
  - WinCC Flexible System Overview and its installation
  - HMI Configuration and Application
  - Project Development, Graphic Control and Salient Features of HMI
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