

SCADA – Intouch (Wonderware)

TOPICS

2) Supervisory Control & Data Acquisition - Wonderware InTouch

- ☒ Applications of SCADA software
 - ☒ Different packages available with I/O structure
 - ☒ Features of SCADA software
 - ☒ Creating a new SCADA application
 - ☒ Creating Database of Tags
 - ☒ Creating & Editing graphic display with animation
 - Data Entry / Start Stop command
 - Analog entry
 - Sizing, Movement, Blinking, Visibility, Filling
 - ☒ Trending
 - Creating & Accessing Real-time and Historical Trends
 - ☒ Creating Alarms & Events
 - ☒ Writing logic through script
 - ☒ Connectivity with the different hardware
 - Communication protocols
 - Communication with PLC
 - Communication with Data Acquisition System
 - ☒ Connectivity between software
 - ☒ Concept of DDE, DLL, OPC drivers
 - ☒ Commissioning the network nodes
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- - Fault diagnostics and error handling
 - - Sorting communication problems

EXPERIMENTS / PRACTICALS

List of experiments: -

1.
 - To determine the horizontal and vertical properties.
2.
 - To determine the filling property.
3.
 - Determination of orientation property.
4.
 - To determine the security feature.
5.
 - To determine Recipe Management

6.
PLC-SCADA interlocking
7.
ON-OFF operation in PLC - SCADA
8.
Tank Filling
9.
Bottle process plant
10.
Car washing
11.
Water Treatment
12.
Power plant