AS410 SMART Controller Based DCS Trainer

A Powerful , Modular & Upgradable DCS has been Designed and Configured Based on Siemens AS410 Smart or AS RTX Micro box AS412H CPU or Simatic PCS7. Distributed I/O Systems ET200SP can be Provided for Field Automation . the Distributed I/O can be Connected via i) Profibus ii) Foundation Field bus H4 or ProfiNET. DCS consists of CPU , power Supply unit , Distributed I/O, Profibus Controller , Digital Input and Output modules , Analog Input and Output modules and Profibus – DP communication Provided.

DCS Module Specifications : (Make : SIEMENS)

- CPU module : AS410 Smart
- Up gradation to Redundancy
- Profinet Communication
- Profibus Communication
- 2 Wire Shield Profibus Cable Provided

Distributed I/O Station ET200SP:

- Support Profinet
- 8 No's of Digital Inputs with 24 V DC.
- 8 No's of Digital Output with 24V DC.
- 4 Channel of Analog Inputs with 4 – 20 mA
- 2 Channels of Analog with 4 -20 mA
- 24VDC / 10A inbuilt Power Supply

CPU : AS 410 Smart

DCS SOFTWARE: (PCS7 - V9.0)

- Automation Station / Operator Station SIMATIC PCS7 Software Provided with Process Objects
- SIMATIC PCS 7 V9.0 Supports up to 100 Process object and also it Support to Create the Program in 5 Languages .
- The Single Software has incorporated with DCS Modules configuration & SCADA configuration
- This Operator systems is Optimized for Processing Large Quantities of Data Logging , Trending , Alarms , Diagnostics & Process Historian.

DCS DEMO PANEL SPECIFICATION:

- DCS controller & distributed I/O modules are fixed on a metal frame.
- 8 No's of Toggle switches are provided to simulate the digital Inputs.
- 8 No's of LED's are provided to indicates the digital Outputs status.
- Two Analog sources (0-5)V DC & (0-20mA) provided for manual checking the Analog Input channels.
- Two displays (0-5)V DC Voltmeter & (0-20mA) Ammeter provided to monitor the Analog Outputs.
- All I/O's are terminated in front panel with BS 2 connector for external Linking of Application trainer purpose.
- All communication buses are terminated at front panel to interface with varies Process Control Loops.