I&C Engineering Courses

1. PLC fundamentals
2. DCS Tutorial
3. Siemens S7 PLC configuration & programming I
4. Siemens S7 PLC configuration & programming II
5. Siemens WinCC Monitoring and Operation
6. Introduction to Siemens Teleperm XP DCS system (TXP)
7. Siemens Teleperm XP: The DCS system for Power Plants
8. Siemens Teleperm XP System Administration

1. PLC fundamentals

Course code: PLCF

Duration: 1 day

Target audience
Instrumentation and Control technicians and junior engineers in different industries

Description
Describing the basics of PLC, ladder programming, comprising components, timers and counters

2. DCS Tutorial

Course code: DCST

Duration: 1 day

Target Audience
I&C engineers and technicians who have prior experience and knowledge of PLC

Description
Explanation of DCS features and advantages versus PLC

3. Siemens S7 PLC Configuration & Programming I

Course code : S7CP-1

Duration: 1 week (5 working days)

Target Audience
I&C engineers and technicians who are familiar with PLC basics

Description
Siemens S7 PLC series overview and introduction to STEP 7 programming

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4. Siemens S7 PLC Configuration & Programming II

Course code : S7CP-2

Duration: 1 week (5 working days)

Target Audience
I&C engineers and technicians who have passed Siemens S7 PLC-I course

Description
Siemens S7 PLC architecture, complementary STEP 7 programming and PID program development

5. WinCC Monitoring and Operation

Course code : WINCC

Duration: 1 week (5 working days)

Target Audience
I&C engineers and technicians who have passed Siemens S7 PLC-I course

Description
Introducing WinCC software features and practical usage of this software for creating a complete HMI system

6. Introduction to TXP DCS system

Course code : TXP-1

Duration: 1 week (5 working days)

Target Audience
I&C engineers with enough background and experience of Control Systems

Description
General Overview of Teleperm XP DCS system

7. Siemens Teleperm XP : The DCS for Power Plants

Course code : TXP-3

Duration: 3 weeks (15 working days)

Target Audience
I&C engineers who want to acquire a complete knowledge of Teleperm XP DCS system.

Description
Detailed explanation of TXP system components and modules, Programming features, MMI configuration

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8. TXP DCS system administration

Course code : TXPAD

Duration : 2 weeks (10 working days)

Target Audience
I&C engineers with enough background and experience of TXP Control Systems and familiar with UNIX who are going to be in charge of administration in Power Plants where TXP system is used

Description
System Management of Teleperm XP DCS, describing the rules of administration tasks

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