

COURSE TITLE :
DISTRIBUTED CONTROL SYSTEM (SIEMENS)- BASIC APPLICATION

COURSE OVERVIEW/COURSE BRIEF

This course is designed to provide the basic application in monitoring and control using Distributed Control System to cater to technological advancements in process monitoring, control and industrial automation have contributed greatly in the productivity in all manufacturing industries. The hardware and software used in this programme is mainly applied in many process plants and the manufacturing sector. The course includes hands-on exercises that offer process modelling and simulation allows participants to train under "live" conditions without exposing the plant to the consequences of their mistakes, design, programming, and to simulate configure and test.

COURSE OBJECTIVES

Upon completion of this course, participants will be able to :

- Recognize various components, functions and application of DCS.
- Practise engineering and configuring automation tasks.
- Develop basic engineering project with various levels of programming, interface with graphic design and configure the parameter with numerous function.
- Create and configure a project and apply the basic procedures and the interaction of the software SIMATIC PCS 7.

THE UNIQUENESS OF THIS COURSE

- Industry-standard compliant training approach and equipment.
- Simulated 'live' activities as hands-on exercises
- Industry-experienced trainers
- Dynamic environment in various technical skills and knowledge.

WHO SHOULD ATTEND

This course is designed for those related to the area of process plant (chemical, oil & gas, food industries). Suitable for those in education and training field. Target Group: Engineers, Technicians, Lecturers and Technical Teachers

KEY TOPICS

- ▶ Introduction to Distributed Control System.
- ▶ Creating PCS 7 Project
- ▶ Hardware Configuration
- ▶ Compiling, Downloading and Testing
- ▶ Operator Interface and Graphic Design

METHODOLOGY

Lectures and practical exercises

COURSE DURATION

4 Days /30 Hours

PRE-REQUISITE

- Basic Electrical, Electronics.
- Programmable Logic Control and Process plant as an advantage.

CERTIFICATION

Certificate of attendance will be issued to those who fulfill 80% of attendance.