Control and Instrumentation – DCS & ESD Control Systems

Good process control having the best knowledge of instrumentation and automation devices.

Learn what a DCS&ESD system is, what it can do, what information it can provide; Basic understanding of DCS&ESD typical system architecture; Be familiar with DCS user interface; Understand alarm and safety philosophy implemented in control systems; Have developed an awareness and understanding of DCS&ESD importance in complex industrial applications.

Target Group
operators, foremen, engineers from the oil industry, petrochemical, refinery, food industry, etc

Duration
- 1 day (8 hours) - one hour training session it’s equal with 45 minutes

Content
- Basic requirements and scope of DCS control system
- Typical Architecture of a DCS
- DCS hardware components description
- Basic presentation of operator user interface (graphic screens, typical face-plates, alarm philosophy, etc.)
- Basic requirements and scope of ESD control system
- Typical Architecture of a ESD
- Multilevel ESD philosophy
- ESD fail safe philisophy, safety integrity levels
- Basic presentation of DCS&ESD test procedures (FAT, SAT)

Methods
- Theory: The course will be presented using exposure explanation (e.g. power point presentation, sample images, video files...), free discussions on the real life situations, case study
- Practical: Sample DCS user interface simulation

Competences acquired
- Learn what a DCS&ESD system is, what it can do, what information it can provide
- Be familiar with DCS user interface
- Understand alarm philosophy implemented in DCS
- Have a reasonably understanding of ESD fail safe philisophy, safety integrity levels
- Be familiar with DCS&ESD control systems test procedures

Trainer
has high specialization and rich experience in both Adult Training and theoreti-cal and practical activity in the field of Control and Instrumentation – DCS & ESD Control Systems

Date / City
N/A

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