

٤٥- نظم التحكم في الانظمة الهيدروليكيه والكهروهيدروليكيه

Hydraulic and Electro-Hydraulic Systems Control

Course Duration	Target Audience	Language	No.Trainees
Hours 50	Engineers and technicians	English	١٢:٢٤

Content

- Introduction to the Hydraulic system
- Flow chart of Hydraulic system
- Studying The types of pumps – control valves - actuators
- Characteristics electro Hydraulic circuits
- Applications of Hydraulic and electro Hydraulic circuits
- Use of logic gates in Hydraulic and electro Hydraulic circuits in industrial applications
- Use of timers with different types in Hydraulic and electro Hydraulic circuits
- Assembly and commissioning of control circuits, including fault-finding
- Execute different industrial applications

Objective

- Introduction to the Hydraulic systems
- Flow chart of electro-hydraulic systems
- Characteristics and applications of Hydraulic systems
- Characteristics and applications of electro- Hydraulic systems
- Drawing Hydraulic and electro- Hydraulic circuit diagrams
- Using logic gates, timers and counters
- Assembly and commissioning of control circuits, including fault-finding
- Execute industrial applications

Prerequisites

Engineers and technicians in mechanical, electrical and mechatronics departments