

# INSTRUMENTATION & ELECTRONIC COURSES

## PLC PROJECT DEVELOPMENT MAINTENANCE & TROUBLESHOOTING (IE40BE)

**OBJECTIVE:**

This course will assist participants with fundamental knowledge of programming, maintenance and troubleshooting.

**WHO SHOULD ATTEND?**

Programmers who have little or no practical experience with controllers and who are responsible for programming or modifying PLC controllers, maintenance and troubleshooting.

**COURSE CONTENT:**

- Identifying PLC Software Components
- Transferring a Project File to a Logics 5000 Controller
- Configuring Local PLC-I/O Modules
- Intergrated Practice Creating and Verifying an PLC Project
- Identifying Programming Strategies and Techniques
- Programming Program Control Instruction
- Connecting a Computer to Communications Network
- Monitoring Arrays and Tags of User-Defined Data Types
- Applying Preventive Maintenance and Troubleshooting Strategies
- Integrated Practice Troubleshooting Basic Projects.
- Communicating with a PLC Controller
- Communicating with a Remote PLC-I/O Module
- Integrated Practice Developing a PLC Project

**Duration: 10 Days**

Date:	Venue:	Cost:
Mar 22 – Apr 2	Qatar	SR14,000
Jun 7 – 18	Jubail	SR12,000
Aug 23 – Sep 3	Sharm El-Shaikh	SR14,000

## PLC SIEMENS S7 ELEMENTARY (IE30A)

**OBJECTIVE:**

This course provides the understanding of PLC Siemens S7 on different types, selection, installation, addressing, networking and maintenance.

**WHO SHOULD ATTEND?**

This course is recommended for instrumentation engineers and highly qualified technicians in the instrumentation field.

**COURSE CONTENT:**

- Introduction
- S7 Components
- PLC S7 Lay outs
- S7 Installation and Wiring
- General Rules and Regulations for Operating S7
- Addressing and Networking
- Configuring a Network
- Commissioning and Start-UP
- Connecting a Programming Device (PG) to S7
- Inserting a Memory Card
- Maintenance
- Troubleshooting

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 26 – 30	Dammam	SR6,000
May 31 – Jun 4	Dammam	SR6,000