

## PLC Introductory Course

### **General Objectives:**

The objective of this learning event is to provide the technicians with knowledge of PLC processor working principles and basic programming instructions.

### **Specific Objectives:**

At the end of training the trainees will be able to:

- Understand the distinction onsite/offsite operations in a complex;
- Learn about issues of custody transfer and terminal operations;
- Assess all elements of tank farm management storage needs, control, instruments, safety, environment, oil movement, scheduling;
- Grasp the refinery's crude oils and products blending operations;
- Analyze offsite automation projects planning, economics and strategic implementation.

### **Audience:**

Managers, technical and operating staff in the oil and gas industry interested and who want to improve their knowledge.

### **Workload:**

40 hours

### **CONTENTS:**

**Module I – Numeric Systems;**

**Module II – PLC hardware;**

**Module III – PLC software;**

**Module IV – Programming instructions.**