

**COURSE TITLE:** INSTRUMENTATION AND PROCESS CONTROL (CODE 4.3)

**Location:** *At Client training facilities or external venues*

**Duration:** *3 days*

**Language:** *English (other languages upon request)*

**Course description:** *This course will present fundamental principles of measurement, process control and safety systems of processing operations. The course allows participants to understand technology and operating principles of instruments most commonly used in the oil and gas plants, to know the typical process control architecture and to learn the functions of safety instrumented systems.*

**Audience:** *Engineers and technicians involved in designing, constructing, commissioning or operating oil and gas surface production facilities.*

**Course contents:** *Measurements and Control  
Pressure Measures and Measurement Instruments  
Temperature Measures and Measurement Instruments  
Flow Measures And Measurement Systems  
Level Measurement System  
Automatic control  
Transmitters, receivers, controllers and transducers  
Fire and gas detection  
Blocking and alarm systems  
Architecture of a process control system*