ABB MEASUREMENT & ANALYTICS | COURSE DESCRIPTION

XSeries Level Two (Z901)

Course description
This course will instruct the student on the use of the advanced features of the XSeries devices. This course will delve more into operations, and some of the advanced applications available. It will also cover some of the TFIO modules.

Topics
- Meter set up and operation
- Collecting and saving data
- Update Cold Start
- 32-Bit Loader
- Trending
- TFIO Modules
- Valve Control
- Unit display
- Remote and local communications
- Modbus® communications
- PCCU software setup
- Operations
  - Plunger Lift
  - Gas Lift
- Alarm System
- Safety Shutdown System
- Troubleshooting

Duration
The duration is 3 days – 8:30 a.m. to 4:30 p.m. each day. Doors open at 8:00 a.m local time. Laptops will be provided.

Prerequisites
Students attending this course should have previously attended the Z900 XSeries Level One course.

Learning objectives
Upon completion of this course, the participants will be able to:
- Identify hardware components
- Use PCCU32 software for basic meter setup, adding and properly setting up the ABB Plunger Application, Gas Lift Application, calibration of the Analog Inputs (AI) and Outputs (AO), configuring the different TFIO modules and the Valve Control application
- Set up various methods of local communication
- Manage configuration files using Update Cold Start and the 32-Bit Loader
- Set up data trending, modify unit display, and set up of complex operations.

Course type and methods
This is an instructor-led course with interactive classroom discussions, presentations, and practical exercises. At least 50% of this course is hands-on operation and lab activities.