

Totalflow Upstream Oil & Gas Solutions XSeries Automation

Course description

This new course is designed to demonstrate how ABB can optimize the productivity of your assets across their full lifecycle. ABB has applications to cover all phases of enhanced production and offers solutions which scale from individual wells to large pads. Intelligent automation, centralized management with distributed control helps maximize production and all of this is combined into one exciting, hands-on course.

Participant profile

This course is recommended for attendance by automation technicians, I&E technicians, facilities engineers, facilities operators, field operations leaders, gas controller/schedulers, lease operators (pumper), plant coordinators, procurement coordinators, production coordinators, production technicians, and technical services maintenance coordinators.

Learning objectives

Upon completion of this course, the participants will be able to:

- Identify hardware components.
- Use PCCU 32 Software for basic setup, installation of the Coriolis Liquids Application and other associated applications.
- Properly connect and configure the ABB Coriolis, ABB Guided wave radar, LevelMaster application, ABB Wedge meter, ABB Vibrating fork, ABB Ultrasonic level transmitter, wireless communications, ABB temperature sensors, ABB pressure sensors, and ABB valve positioners

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.

Duration

The duration is 3 days – 8:30 a.m. to 4:30 p.m. each day.

ABB Inc.

Upstream Oil & Gas

7051 Industrial Boulevard, Bartlesville, OK 74006

Tel. +1 800 442 3097 | Fax. +1 918 338 4607

E-mail: totalflow.training@us.abb.com

www.abb.com/totalflow-training



Topics

- Meter set up and operations
- PCCU software setup
- ABB Guided wave radar installation and setup
- ABB Ultrasonic level transmitter installation and setup
- ABB Coriolis installation and setup
- ABB Mag meter installation and setup
- ABB Vibrating fork level transmitter installation and setup
- ABB WellTell wireless communications installation and setup
- ABB Temperature sensor installation and setup
- ABB Pressure sensor installation and setup
- ABB Valve positioner installation and setup
- Wellhead Management System (WMS)
- MODBUS® communications
- Troubleshooting

Prerequisites

Students attending this course should have previously attended the Z901 XSeries Well Production Course and present proficient computer skills.

Date	Location	Date	Location
03/01/16	Pleasanton, TX	08/09/16	Odessa, TX
04/05/16	Odessa, TX	09/20/16	Bartlesville, OK
04/19/16	Bartlesville, OK	10/11/16	Natrona Heights, PA
05/03/16	Bakersfield, CA	10/18/16	Bakersfield, CA
06/28/16	Natrona Heights, PA	11/01/16	Pleasanton, TX
07/12/16	Pleasanton, TX	12/13/16	Odessa, TX
07/26/16	Liberal, KS		

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