



On-Site Training - Operation Course

CCC Control System Operation Training

Learning Objectives

Upon completion of the course the participant will be able to:

- Identify a variety of compressors
- Explain surge phenomena and consequences on compressor operation and process stability
- Interpret and recognize the controller's functions
- Analyze, identify and resolve alarms



On-Site Training - Operation Course

Course Topics

• Compressor Systems and Classifications

• Surge Phenomenon

- ▶ Theory of surge control
- ▶ System resistance
- ▶ Causes

• Specialized Controller Features

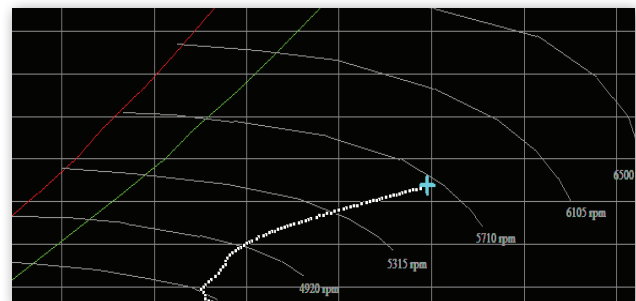
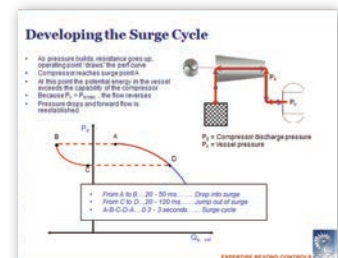
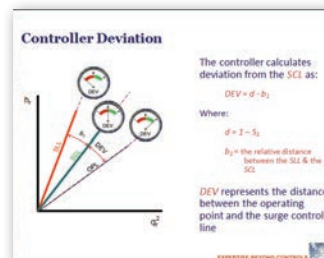
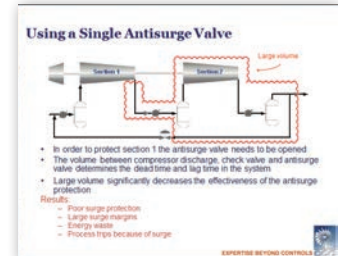
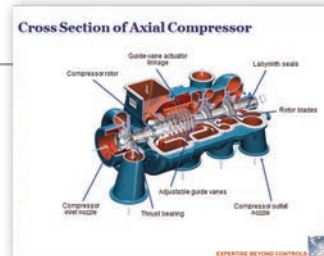
- ▶ Antisurge control
- ▶ Performance control (if applicable)
- ▶ Speed control (if applicable)
- ▶ Extraction control (if applicable)

• Hands-on Simulation

- ▶ Using simulation software, a laptop, and a demonstration unit consisting of actual CCC controllers

• Simulation Software

- ▶ Compressor maps
- ▶ Process disturbances
- ▶ Instrument failures



Course Requirements

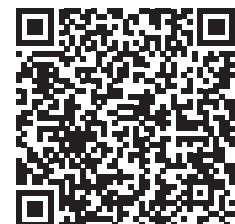
The following are the requirements for CCC's customized on-site training:

• Appropriate training room

- ▶ Screen
- ▶ LCD Projector
- ▶ White board with markers and eraser

• Maximum number of participants for each course is 15

• Training quotation provided upon request, please email training@cccglobel.com



Scan above to email
CCC Training