

# VFD House Equipment

Introductory course for Schlumberger VFD users

## COURSE TOPICS

- Electrical safety
- VFD house and driller's cabin equipment
- Schlumberger electrical schematics
- VFD motor controls
- PLC hardware and communication networks
- Equipment replacement and repair
- Error codes and alarms



The VFD House Equipment course offers technicians a basic overview of the operation and maintenance of equipment in Schlumberger VFD houses, including the engine controller, variable frequency drive (VFD), and programmable logic controller (PLC). In addition, covered topics include specific operations, engineering prints, and simple troubleshooting tools to aid in diagnosing equipment issues. The course integrates theoretical concepts with practical labs and exercises to best encourage technician understanding.

## LEARNING OBJECTIVES

- Discern how AC induction motors and VFDs work
- Recognize basic parts of engine control, PLC, and VFD equipment
- Know how to read Schlumberger electrical schematics
- Understand VFD wiring and how to diagnose equipment issues
- Learn how to read and interpret PLC equipment indicator lights
- Identify the location and meaning of various equipment alarms
- Grasp general electrical safety protocols and best practices concerning PPE

## WHO SHOULD ATTEND

This course is for technicians and technical support personnel who operate or maintain Schlumberger VFD house equipment.

## REGISTRATION

Contact us by email at [rpctraining@slb.com](mailto:rpctraining@slb.com) or by telephone +1-713-849-1700.

Cancellations within three working days prior to the start of the class will be charged the full tuition fee. Substitutions are allowed.

## DURATION

Four training days  
(8:00 a.m. to 4:00 p.m. daily)  
Contact Schlumberger for available dates.

## LOCATION

Schlumberger  
5353 West Sam Houston Pkwy North, Suite 150  
Houston, TX 77041

Participants are responsible for their own accommodations and transportation. Contact us to schedule on-site or in-office training at your location.