

# Variable Frequency Drive Maintenance

Introductory course for variable frequency drive maintenance

## COURSE TOPICS

- VFD theory and features
- Hardware components and replaceable parts identification
- Menu navigation and parameter status functions
- Startup, autotuning, and setting parameters
- Error codes and alarms
- Equipment checks and basic repairs



The variable frequency drive (VFD) maintenance course is a two-day introductory course that aims to maximize participants' understanding of VFD system fundamentals and operations. The course uses the Yaskawa A1000 HHP drive to prepare participants to efficiently operate, maintain, and troubleshoot VFD systems successfully. Participants receive both hands-on interaction with demonstration units in a mock-up VFD house and practical laboratory training. Throughout every course, Schlumberger instructors are available to answer personnel questions about real job conditions, special situations, and safety.

## LEARNING OBJECTIVES

- Grasp a basic overview of terminology, functions, and components for VFDs
- Discover how to navigate menus via the keypad interface
- Become familiar with VFD wiring diagrams, hardware, and features
- Understand how to set drive parameters for basic operation
- Practice using desktop demonstration units during interactive lab sessions
- Learn to manage certain drive issues to sustain equipment operation
- Perform proper safety protocols

## WHO SHOULD ATTEND

This course is for electrical technicians and technical support personnel who operate or maintain VFDs.

## 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

Two 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.