G3891
ACS880 LC Multidrive for Marine Applications, Operation and Maintenance

Course Type and Description
This is a class room course with hands-on exercises supported by an instructor.

The course contains lectures, hands-on exercises and fault tracing with ACS880LC/CLC.

Course Objective
Upon completion of this course, you will be able to:

- Commission ACS880 liquid-cooled drives
- Trace and correct faults
- Operate and maintain ACS880 liquid-cooled drives.

Course Duration
The course duration is 2.5 days.

Main Topics
- Start-up of the drive
- ACS380-04 hardware construction
- Installation principles of ACS380-04
- ACS380-04 control panel operation
- ACS380-04 software features
- Drive composer pro
- Adaptive programming
- Basic maintenance tasks of ACS380-04 drive

Prerequisites
- Construction of drive-, supply and cooling units
- Control panel functions
- Locating and identifying terminals, boards and other components
- Fault diagnostics
- DriveComposer commissioning and maintenance tool operations
- Cooling methods of drive- and supply units
- Functionality of the cooling unit
- Installation of the cooling unit
- Start-up of the cooling unit
- Replacement of the modules
- Start-up of the ACS880 I/O bus

Student Profile
This course is intended for electricians, technicians, and engineers, who install, operate and service ACS880 liquid-cooled drives.

Course Goal
The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair ACS880 liquid-cooled supply, inverter and cooling units.
## Day 1
09:00  Introduction of the Course
09:15  System Description
10:15  Break
10:30  Control Panel Functions and Startup Procedure
11:15  Startup Exercises with the Panel
12:00  Lunch
13:00  DriveComposer Program
13:45  Drive Composer Exercises
14:15  Break
14:30  Exercises Continue
16:00  End of the Day

## Day 2
08:30  Inverter Software Configuration
10:00  Break
10:15  Optional Equipment
11:00  Liquid Cooling Unit
12:00  Lunch
13:00  Liquid Cooling Unit Commissioning
14:15  Break
14:30  Location Exercises/Fan Replacement
16:00  End of the Day

## Day 3
08:30  Inverter Module Replacement Exercise
10:00  Break
10:15  Cooling Unit Startup Exercise
12:00  Lunch
13:00  End of the Course