G188
ACS880-87LC Start-up, Maintenance and Hands-on Training

Course Type and Description
This is a classroom course with hands-on lab activities supported by an instructor.

The course contains theoretical presentations and hands-on exercises with ACS880-87 Liquid cooled Wind Turbine Drive unit.

Course Duration
The course duration is 2 days.

Student Profile
This course is intended for electricians, technicians, and engineers, who install, operate and service ACS880-87LC Wind Turbine drives.

Course Goal
The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair ACS880-87LC Wind Turbine drives.

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

- Commission and tune ACS880-87LC drives according to manual instructions
- Use the fault tracing methods
- Replace the faulty parts and units
- Operate and maintain ACS880-87LC drives

Main Topics
- Reading and interpreting circuit diagrams
- Installation procedure
- Locating and identifying terminals, boards and other components
- Converter commissioning
- Changing the setting
- Fault indications and maintenance
- Drive composer commissioning and maintenance tool operations

Prerequisites
Prior to attending this course, students should have:
- Basic knowledge of electronics
- Experience in using PCs in the Windows environment
<table>
<thead>
<tr>
<th>Time</th>
<th>Day 1</th>
<th>Time</th>
<th>Day 2</th>
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</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Introduction to the Course</td>
<td>08:30</td>
<td>Maintenance</td>
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<tr>
<td>09:15</td>
<td>System Presentation</td>
<td>09:00</td>
<td>Fault Tracing</td>
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<td>10:15</td>
<td>Break</td>
<td>10:00</td>
<td>Break</td>
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<tr>
<td>10:30</td>
<td>Installation</td>
<td>10:15</td>
<td>Repair</td>
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<tr>
<td>11:00</td>
<td>Drive Composer Tool</td>
<td>11:00</td>
<td>Reading Circuit Diagrams</td>
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<tr>
<td>11:30</td>
<td>Drive Composer Exercises</td>
<td>12:00</td>
<td>Lunch</td>
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<tr>
<td>12:00</td>
<td>Lunch</td>
<td>13:00</td>
<td>Inverter Unit and Module Exercises</td>
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<td>13:00</td>
<td>Drive Composer Exercise</td>
<td>13:30</td>
<td>Inverter Module Exercise</td>
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<tr>
<td>14:15</td>
<td>Break</td>
<td>14:15</td>
<td>Break</td>
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<tr>
<td>14:30</td>
<td>Commissioning</td>
<td>14:30</td>
<td>Module Installation Back to the Cabinet</td>
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<td>16:00</td>
<td>End of the Day</td>
<td>16:00</td>
<td>End of the Course</td>
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**Low voltage drives training**

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