

COURSE DESCRIPTION

G171

ACS800 Intelligent Pimp Control (IPC) Operation and Programming



Course Type and Description

Classroom course.

This course belongs to a learning path that may utilize blended learning. Please see the accompanying figure for possible learning paths.



Main Topics

- Pump theory and curves
- Energy saving and PumpSave calculator
- Multi pump link configuration
- Multi pump control
- Level control
- Additional features



Course Duration

The course duration is 2 days.



Prerequisites

- Either course G152 or G156 (or equivalent knowledge). For course names and durations, please refer to the accompanying figures of learning paths.



Student Profile

This course is intended for electricians, technicians, and engineers, who commission, install, operate and service ACS800 multi pump systems.



Course Goal

The goal of this course is to teach students to calculate energy saving of a pump applications, read pump curves, program and modify a multi pump applications.



Course Objective

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

- Calculate energy saving in pump applications
- Program and modify different multi pump applications

Day 1

08:30 Course Information
08:35 Product Overview
09:30 Coffee Break
09:45 Pump Curves and Energy Saving
10:45 Exercise A1: PumpSave Calculator
12:00 Lunch
13:00 Intelligent Pump Control and Communication
13:30 Multi Pump Control
14:15 Coffee Break
14:30 Exercise A2-A4: Hardware Configuration and Multi Pump Control
16:00 End of the Day

Day 2

08:30 Exercise A2 Continues
09:30 Coffee Break
09:45 Level Control and Common Features
10:45 Exercise A5-A7: Level Control and Anti Jam Function
12:00 Lunch
13:00 Flow Calculation
13:30 Exercise A7: Flow Calculation
14:15 Coffee Break
14:30 Additional Features: Sleep Boost, Priority Control
16:00 End of the Course

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Low voltage drives training

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