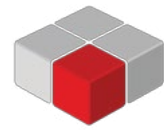




Power/mation®



CODESYS

2018 CODESYS Training - Pewaukee, WI

WHEN

October 16-19, 2018
8AM - 5PM each day

WHERE

Power/mation
Pewaukee Office

N28 W23566 Creative Way
Pewaukee, WI 53072

COST

- \$2000 per participant
- Additional \$200 for printed course materials OR digital materials at no charge

**LUNCH PROVIDED
EACH DAY**

CLICK TO REGISTER

The CODESYS Corporation of North America, in partnership with Power/mation, is pleased to announce our next training class. Join us for fast-paced, in-depth training on the world's most widely accepted IEC61131-3 standard industrial programming environment.

This training utilizes intensive hands-on learning techniques to combine the traditional 3-day introductory and 2-day advanced courses into one 4-day training experience. After this class you will be ready to bring the power of CODESYS to bear on your next industrial controls programming job. You will be well qualified to program the millions of industrial controllers around the world powered by CODESYS.

SUBJECT MATTER:

- CODESYS Integrated Development Environment (IDE)
- IEC61131-3 Industrial Programming Languages
- Object-oriented programming and its application to industrial controls
- (see syllabus on page 2 for details)

PREREQUISITES:

- General knowledge of Industrial Controls programming
- Openness to new methodologies and paradigms
- Well rested and ready to drink from the fire hose

REQUIREMENTS AND PRE-CLASS PREPARATIONS:

- (instructions to follow)

THE BENEFITS OF CODESYS

- In the 1990s, the industry developed standardized programming languages and now CODESYS represents the evolution of a single development environment to better implement those languages.
- CODESYS brings a standard IDE (Integrated Development Environment) to a growing number of Power/mation's key industry partners such as ABB, Lenze, Nidec Control Techniques, Turck and Festo. These manufacturers can modify the technology with their own libraries and other customization, but the core is CODESYS.



- CODESYS brings a standard IDE (Integrated Development Environment) to implement the industry's standard IEC-61131-3 programming languages in one package (Ladder, Function Block Diagram, Structured Text, Instruction List, and Sequential Function Chart)
- CODESYS caters to users' preference to code with the languages in which they are familiar
- Power/mation carries the automation products necessary to your application that support CODESYS.
- CODESYS adoption is growing quickly. Here is a current list of other companies that use the platform:



Continued...

2018 CODESYS Training Continued

SYLLABUS

- Intro to IDE
- Help, Settings and layout
- Managing Devices
- Variables and Data Types
- Ladder logic and FBD Editor
- Sequential Function Chart
- Structured Text
- Advanced Debugging
- Functions and Function Blocks
- Continuous Function Chart
- The Power of Object Oriented Industrial Programming
- User Defined Types
- Configuring I/O and Fieldbus Devices
- Introduction to Visualization and HMI
- Libraries
- Task Configuration
- OPC UA and Peer to Peer
- User Management and Permissions
- Recipes
- Using a Trace
- Subversion and Collaborative Design
- Miscellaneous Topics
- Other CODESYS Features
- OOP and Inheritance
- Final Project

MANUFACTURERS

- 3S-Smart Software Solutions GmbH
- Advantech Europe B.V.
- akYtec GmbH
- Altus Sistemas de Informática S.A.
- AMK Arnold Müller GmbH & Co. KG
- ASEM S.p.A.
- Automata GmbH & Co. KG
- Beck IPC GmbH
- Beijer Electronics
- Berghof Automation GmbH
- BIVIATOR AG
- Bizerba GmbH & Co. KG
- Bosch Rexroth AG
- Brunner Elektronik AG
- CAM Technology Corporation
- Christ Elektronik GmbH
- CMZ SISTEMI ELETTRONICI S.r.l.
- CONTEC Co., Ltd.
- CREVIS CO.,LTD
- CrossControl AB
- Datawatt BV
- DEIF Wind Power Technology
- Eaton Automation AG
- ECKELMANN AG
- EleSy Company
- elrest Automationssysteme GmbH
- epis Automation GmbH & Co. KG
- ESA AUTOMATION
- Eurotherm by Schneider Electric
- exceet electronics AG
- EXOR Deutschland GmbH
- Festo AG & Co. KG
- Googol Technology (SZ) Limited
- Grossenbacher Systeme AG
- Hans Turck GmbH & Co. KG
- HEINZMANN GmbH & Co. KG
- Hitachi Europe GmbH
- Hottinger Baldwin Messtechnik GmbH
- IDS GmbH
- ifm electronic gmbh
- INTER CONTROL - Hermann Köhler Elektrik GmbH & Co. KG
- Janz Tec AG
- JUMO GmbH & Co. KG
- KEB Automation KG
- KEBA AG
- Kendrion Kuhnke Automation GmbH
- Lenze Automation GmbH
- Liebherr-Elektronik GmbH
- LTI Motion GmbH
- Mitsubishi Electric EUROPE B.V.
- MKT Modulare Komponenten Technik
- Motorola Solutions Israel Ltd.
- NAP automotive Produkte GmbH
- NEXCOM
- Nidec Control Techniques Limited
- NIVUS GmbH
- Num AG
- Parker Hannifin GmbH
- PsiControl Mechatronics
- Qube Solutions UG
- Research Laboratory of Design Automation
- Ritter Elektronik GmbH
- SBS S.p.A.
- Schneider Automation S.A.S.
- Schraml GmbH
- Schubert System Elektronik GmbH
- SchulerControl GmbH
- Sensor-Technik Wiedemann GmbH
- Servotronic Motion Control Ltd.
- sm motion control gmbh
- SMART IN OVATION GmbH
- Sontheim Industrie Elektronik GmbH
- STÖBER ANTRIEBSTECHNIK GmbH & Co. KG
- SYS TEC electronic GmbH
- Syslogic Group
- SysTec GmbH
- TELESTAR S.r.l.
- TRsystems GmbH
- VELTRU AG
- WAGO Kontakttechnik GmbH & Co. KG
- ZheJiang SUPCON Electronics Co. Ltd.

SPOTS ARE LIMITED!

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QUESTIONS?

Contact Mandy Huston
mandy.huston@powermation.com



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800.843.9859
www.powermation.com

