Promotional Offer – GE Conversions

Promotion valid March – December 2019

For a limited time, qualified projects can take advantage of a no charge Fundamentals of TIA System Engineering workshop and starter kits, and discounted training and PLCs.

Who qualifies?

- Application must be a conversion w/ GE PLCs as existing installed base
- Projects with $50K or more of Siemens Factory Automation Product (PLC, IO, SW, HMI, IPC, SCADA) in total value

Modernizing your automation systems – instead of just migrating to newer components – can help ensure your future success and competitive advantage – today!

Modernization advantages of partnering with Siemens include:

- Siemens industry-leading competitive advantages – the Digital Enterprise, Totally Integrated Automation (TIA), and TIA Portal – **boost ROI, increase productivity, enable transparency, improve safety, and strengthen security**.

- Siemens revolutionary TIA Portal – a single engineering framework that seamlessly integrates multiple controllers, distributed I/O, HMI, drives, motion control and data acquisition and reporting – **can reduce your engineering time by up to 30%**.

- Siemens offers a comprehensive, competitively priced automation portfolio that easily integrates with your existing system to **enhance performance, communications, flexibility, and competitiveness**.

Promotion includes:

- No charge – Fundamentals of TIA System Engineering – two day on-site workshop, up to six engineers
- 60% discount on two SITRAIN courses of customer choice
- One S7-1500 starter kit for in-house testing/training
- PLC exchange – 70% discount off list for Siemens PLCs toward project, with GE PLC exchange (*up to five Siemens CPUs maximum, one Siemens CPU for every two GE PLCs turned in)

S7-1500 Starter Kit

Components of the Starter Kit SIMATIC S7-1500
- SIMATIC S7-1500 CPU 1511C-1 PN
- SIMATIC Memory Card, 4 Mbyte
- Rail 160mm
- STEP7 Professional V15.1, 365 day license
- Power Supply PM 70W 120/230 V AC
- Standard Ethernet CAT 5-Cable
- Screwdriver

In addition with TIA Portal V15.1*:
- SIMATIC ProDiag S7-1500 for the use of 250 supervisions
- SIMATIC OPC UA S7-1500 Small, Single Runtime License

Fundamentals of TIA System Engineering Workshop

Experience the ultimate in automation engineering efficiency

Target audience

Intermediate and Advanced level PLC and HMI programmers familiar with GE (and/or Rockwell, Modicon, etc...)

Join us for this in-depth, fast-paced instructor-led workshop conducted by a Certified Siemens Automation Specialist, and learn how to efficiently engineer an automation system solution using the TIA Portal.

What will you learn?

- The TIA Portal layout, engineering software packages, and how to create a project

- How to commission S7 hardware, including S7-1200 and S7-1500 PLCs with local and PROFINET remote IO

- Details of the S7 PLC memory structure and how to create a program using recommended best practices

- How to integrate a SINAMICS general purpose drive, commission it, and control it via the PLC as a motion axis

- How to integrate an HMI and transfer data, error reporting, system diagnostics, and user messages from the PLCs

- How to leverage the integrated project management and commissioning support tools

Hands-on

Experience first-hand the tools and technology

You'll work Live and Online with the TIA Portal – a single engineering framework for controllers, distributed I/O, HMI, drives, motion control, and motor management to provide unparalleled performance and results.

The workshop begins with "out of the box" hardware whereby the attendee starts from Step 1 and builds a complete integrated and operating system consisting of an S7-1200 PLC, S7-1500 PLC, SINAMICS G120 VFD and Comfort Panel HMI, all networked together with PROFINET.

Topics

1. Introduction to the TIA Portal
   a. Project Components
   b. Project Structure
   c. Creating a Project

2. SIMATIC S7 Hardware and System Architectures
   a. S7 CPU Families
   b. ET200 I/O Families
   c. S7 Architecture Examples

3. Hardware Configuration
   a. Adding a Station
   b. Using the Devices and Networks Editor

4. Introduction to programming the S7 PLC
   a. CPU Memory and Address Areas
   b. The PLC Scan
   c. Program Structure

5. Efficient Program Management
   a. Managing Large Programs
   b. User-Created Program Elements
   c. Local Variables and Parameter Passing

6. Configuring PROFINET Remote IO
   a. How PROFINET Works
   b. Configuring Remote IO Devices
   c. Using Intelligent IO Devices

7. SINAMICS G120 Overview
   a. Drives and Engineering Tools Overview
   b. Integrating a Drive into a Project
   c. Controlling the Drive from the PLC

8. WinCC Introduction
   a. Adding a new HMI to the Project
   b. Defining connections and Tags
   c. Runtime Options

9. WinCC Configuration
   a. Using Common Configuration Components
      i) Adding and Managing Screens and Templates
      ii) Adding and Managing Pop-up and Slide-in screens
   b. Navigating the Program Elements

10. The WinCC Message System
    a. Message Classes and Groups
    b. Displaying System Diagnostics Messaging

11. Project Management Tools
    a. Using and Managing Libraries
    b. Version Typing
    c. PLC Proxies

Our best-in-class products that co-exist with your current system to enhance performance

- Ease of integration with existing assets
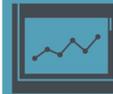
- Easy-to-configure hardware and software

- Resolution of maturity/obsolescence issues

- Features to support flexibility and competitiveness

- Flexibility to support various network protocols, including PROFINET and EtherNet/IP

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To take advantage of this promotion please fill out the form at: www.fa.marketing.us.typeform.com/to/DfxO3N or contact fa.marketing.us@siemens.com