

# SIEMENS

## TechED Events



**AUTOMATION  
& FACTORY  
SOLUTIONS**

Lunch & Learn	Format	Duration
<a href="#"><u>Introduction to WinCC Unified</u></a>	Presentation	1 Hour
<a href="#"><u>Migration from WinCC Basic/Comfort to Unified</u></a>	Demonstration	1 Hour
<a href="#"><u>New Way of Motion</u></a>	Presentation	3 Hours
<a href="#"><u>Panel Builder Series - Standards Overview</u></a>	Presentation	1 Hour
<a href="#"><u>Rockwell Logix PLC to Siemens VFD</u></a>	Presentation	1 Hour
<a href="#"><u>S7-1200 G2</u></a>	Presentation	1 Hour
<a href="#"><u>SINAMICS G120X</u></a>	Presentation	1 Hour
<a href="#"><u>WinCC Unified Tips and Tricks Jumpstart</u></a>	Demonstration	1 Hour

Workshop	Format	Duration
<a href="#"><u>Introduction to Siemens TIA Portal PLC/HMI</u></a>	Presentation/Hands-on	3 Hours
<a href="#"><u>New Way of Motion</u></a>	Presentation/Hands-on	1 Hour
<a href="#"><u>Panel Builder Series - Determining Short Circuit Current Rating</u></a>	Presentation/Hands-on	2 Hours
<a href="#"><u>Programming with Structured Control Language (SCL)</u></a>	Presentation/Hands-on	3 Hours
<a href="#"><u>Rockwell Logix PLC to Siemens VFD</u></a>	Presentation/Hands-on	3 Hours
<a href="#"><u>S7-1200 G2</u></a>	Presentation/Hands-on	3 Hours
<a href="#"><u>SINAMICS G120X</u></a>	Presentation/Hands-on	3 Hours
<a href="#"><u>WinCC Unified Test Drive</u></a>	Presentation/Hands-on	3 Hours



Lunch & Learn

# Introduction to WinCC Unified

01

## Discover the SIMATIC WinCC Unified System—the future of visualization!

Join this informative Lunch & Learn to explore the advanced features of the SIMATIC WinCC Unified software and gain valuable insights into the new generation of SIMATIC WinCC Unified HMI panels.

### Topics Covered:

- Unified System Overview: Get an understanding of the comprehensive capabilities and functionalities.
- Hardware Overview: Learn about the latest hardware offerings within the SIMATIC WinCC Unified lineup.

### Format:

- Presentation-Based

Explore the next generation of visualization with WinCC Unified!

*Reserve Your Spot Today!*



Lunch & Learn

02

## Migration from WinCC Basic/Comfort to Unified

Join us for a focused session on transitioning smoothly to Siemens Unified Panels.

### Topics Covered:

- **New Hardware Overview:** Explore the enhanced capabilities and features of Unified panels.
- **WinCC Unified Modernization Checker:** Learn how to evaluate your current projects and prepare them for a seamless transition.
- **Data2Unified Add-in:** Understand the tools available to simplify data migration.
- **VB Script vs. JavaScript:** Gain insights on scripting language changes and tips for easy adaptation.
- **Conversion Guides:** Access detailed documentation to guide you through every step of the migration process.
- **Live Conversion Demo:** Witness firsthand how simple and efficient migrating to Unified panels can be.

### Format:

- Interactive Presentation
- Live Demonstration

Don't miss this opportunity to simplify your migration process!

*Reserve Your Spot Today!*



Lunch & Learn

# New Way of Motion

03

## Discover advanced motion control solutions within TIA Portal to boost your machine performance and simplify diagnostics!

Join this Lunch & Learn session to explore the cutting-edge integration between the SIMATIC S7-1500 Technology controller (T-CPU) and SINAMICS S210 servo drives, designed to significantly reduce your development time while enhancing performance and troubleshooting capabilities.

### Topics Covered:

- **Overview of Siemens Motion Control Solutions:** Explore the comprehensive range of Siemens motion control technologies
- **Motion Application Library:** Learn how to leverage ready-made applications to simplify your motion control tasks
- **Trace for Troubleshooting:** Master advanced diagnostic tools to rapidly identify and resolve performance issues

### Format:

- Presentation-Based

Revolutionize your approach to  
motion control

*Reserve Your  
Spot Today!*



# 04

Lunch & Learn

## Panel Builder Series - Standards Overview

### Get familiar with control panel standards and recent updates to UL508a and NFPA79!

This Lunch & Learn will guide attendees through an introduction to standards, explaining their purpose, importance, and relevance specifically to control panels. You will also discover key recent changes in the electrical standards UL508a and NFPA79.

#### Topics Covered:

- **What are Standards:** Understand the definition, role, and importance of standards.
- **Control Panel Standards:** Identify essential standards relevant to control panels.
- **What's New in the UL508a Standard:** Explore significant updates and changes.
- **What's New in the NFPA79 Standard:** Learn about recent revisions and implications.
- **Additional Resources:** Access supplementary materials for further exploration.

#### Format:

- Presentation-Based

Enhance your understanding of  
essential control panel standards

*Reserve Your  
Spot Today!*



SIEMENS



EtherNet/IP

Lunch & Learn

# Rockwell Logix PLC to Siemens VFD

05

## Effortlessly integrate Siemens SINAMICS drives into Rockwell Automation architectures using EtherNet/IP™!

Join us for this informative Lunch & Learn to discover the simplicity and effectiveness of integrating Siemens SINAMICS drives with Rockwell Automation control systems.

### Topics Covered:

- **Overview of the SINAMICS Low-Voltage Drives Family:** Learn about the features and benefits of Siemens SINAMICS drives.
- **Selection and Configuration Tools:** Utilize tools to streamline the selection and configuration of the appropriate Siemens drives.
- **Integration Tools:** Explore methods to seamlessly connect Siemens drives to Rockwell Automation controllers.
- **Migration Solutions:** Understand strategies for integrating Siemens drives with legacy or discontinued Rockwell Automation controllers.

### Format:

- Presentation-Based

Simplify your drive integration

*Reserve Your  
Spot Today!*



Lunch & Learn

06

S7-1200 G2

## Explore the powerful and scalable second-generation S7-1200 PLC!

Join this informative Lunch & Learn session to discover the enhanced performance, scalability, and cost-efficiency of the new S7-1200 G2 PLC. Perfect for compact yet demanding applications.

### Topics Covered:

- **New Hardware Design:** Learn about improvements and features of the second-generation design.
- **Efficient Motion Control:** Understand how the S7-1200 G2 optimizes your motion control applications.
- **Flexible Machine Safety:** Explore versatile safety features built into the G2.
- **Near Field Communication (NFC):** Discover the benefits of easy configuration and diagnostics through NFC.
- **Migration from 1200 to 1200 G2:** Gain insights into seamless upgrade paths and considerations.

### Format:

- Presentation-Based

Upgrade your PLC capabilities

*Reserve Your  
Spot Today!*



Lunch & Learn

# SINAMICS G120X

07

**Discover the simplicity and versatility of SINAMICS G120X, specifically engineered for pump, fan, and compressor applications!**

Join this informative Lunch & Learn session to explore the SINAMICS G120X drive: a straightforward, easy-to-use solution ideal for industries such as water/wastewater, HVAC/R, irrigation/agriculture, and general industrial environments.

## Topics Covered:

- **SINAMICS G120X Overview:** Gain insight into the key features and advantages.
- **Selection:** Learn the essentials of selecting the right G120X drive for your needs.
- **Ordering:** Understand the ordering process for seamless procurement.
- **Setup:** Get practical tips for easy and effective setup of your G120X drive.

## Format:

- Presentation-Based

**Streamline your drive solutions**

***Reserve Your  
Spot Today!***



Lunch & Learn

08

## WinCC Unified Tips and Tricks Jumpstart

**Boost your productivity and efficiency with practical insights into Siemens Unified Comfort Panels.**

This Lunch & Learn will highlight essential new concepts in Unified Comfort Panels, helping you quickly develop more efficiently. Whether you're new to WinCC Unified or a seasoned expert, this session offers valuable tips for everyone.

### Topics Covered:

- **Screen Window Concept:** Efficiently organize your screens for improved navigation.
- **Properties and Events:** Leverage powerful panel features for dynamic user interfaces.
- **JavaScript:** Expand your panel capabilities with effective scripting.
- **Performance Guidelines:** Apply best practices for optimal panel performance.
- **Efficient Engineering Tips:** Enhance your workflow with time-saving techniques.
- **Live Demo:** Experience real-time application and demonstration of these concepts.

### Format:

- Interactive Presentation
- Live Demonstration

**Accelerate your WinCC Unified  
learning curve**

***Reserve Your  
Spot Today!***



## Workshop

# Introduction to Siemens TIA Portal PLC/HMI

# 09

## Get hands-on experience with Siemens S7-1500 PLC and HMI systems using TIA Portal!

Join this comprehensive workshop for an in-depth exploration of Siemens PLC and HMI solutions. Engage in practical, guided exercises utilizing TIA Portal STEP 7 and WinCC Unified software, enhanced with demonstration hardware to solidify your understanding and application skills.

### Topics Covered:

- **S7-1200/1500 Automation System Overview:** Gain detailed insights into Siemens' advanced PLC systems.
- **TIA Portal Programming Environment:** Discover the intuitive and powerful environment for programming Siemens PLCs.
- **Integrate Siemens Unified Comfort Panel:** Learn seamless integration methods to create intuitive and efficient interfaces.
- **Experience the Benefits of a Totally Integrated Automation System:** Realize how an integrated approach enhances efficiency and performance.

### Format:

- Presentation and Hands-On
- Interactive demonstrations with actual hardware

Enhance your automation skills

*Reserve Your  
Spot Today!*



# 10

## Workshop

# New Way of Motion

**Discover advanced motion control solutions within TIA Portal to streamline your development and enhance performance!**

Join this interactive workshop to explore an innovative approach to motion control using TIA Portal. You'll gain practical insights into how the SIMATIC S7-1500 Technology controller (T-CPU) and SINAMICS S210 servo drives integrate seamlessly to simplify your motion applications.

### Topics Covered:

- **Motion Control Solutions Overview:** Learn about Siemens' comprehensive motion control capabilities.
- **Motion Application Library:** Understand how ready-to-use motion functions can accelerate your development.
- **Commissioning:** Gain hands-on experience in quickly setting up and optimizing your motion control solutions.
- **Diagnostics:** Master advanced diagnostic tools for efficient troubleshooting and performance optimization.

### Format:

- Presentation-Based

**Transform your approach  
to motion control**

***Reserve Your  
Spot Today!***



Workshop

# Panel Builder Series - Determining Short Circuit Current Rating

11

## Master the fundamentals of determining SCCR for Industrial Control Panels according to US standards!

In this detailed workshop, attendees will gain a comprehensive understanding of Short Circuit Current Rating (SCCR) design, essential US electrical standards, and practical methods for accurately determining the SCCR for existing control panels. Explore various sample applications and understand how component selection influences your panel's SCCR rating.

### Topics Covered:

- **Introduction to SCCR:** Understand basic concepts and their importance in panel safety and compliance.
- **Steps to Determine SCCR:** Learn the systematic approach to accurately assessing SCCR ratings.
- **Sample Applications:** Review practical examples illustrating real-world SCCR determination.
- **Hands-on Exercises:** Apply what you've learned with interactive practice sessions.

### Format:

- Presentation-based

Ensure your control panels  
meet the latest standards

*Reserve Your  
Spot Today!*

# 10

## Programming with Structured Control Language (SCL)

### Build your foundation in programming using the powerful Structured Control Language (SCL)!

Join this in-depth workshop to master the essentials of SCL, a versatile high-level, text-based language ideal for complex math operations, data handling with arrays, and advanced string processing. Learn how SCL can significantly simplify programming tasks compared to traditional ladder logic.

#### Topics Covered:

- **SCL Language Overview:** Understand the fundamentals and structure of the SCL language.
- **Development:** Explore best practices and efficient coding techniques in SCL.
- **Use Cases:** Discover practical applications and real-world scenarios suited for SCL.
- **Debugging:** Learn effective methods for troubleshooting and refining your SCL code.

#### Format:

- Presentation and Hands-On
- Interactive demonstrations with actual hardware

**Master SCL for more powerful automation solutions**

***Reserve Your Spot Today!***



SIEMENS



EtherNet/IP®

Workshop

# Rockwell Logix PLC to Siemens VFD

12

## Integrate Siemens SINAMICS G120 VFD seamlessly into your Rockwell Logix architecture!

This workshop shows how to upgrade to Siemens SINAMICS G120 VFDs while using your existing Rockwell Logix PLC and code. Learn through hands-on exercises how easily Siemens drives integrate into current control systems.

### Topics Covered:

- **Overview of the SINAMICS Low-Voltage Drives Family:** Discover the capabilities of Siemens drives.
- **Selection and Configuration Tools:** Utilize Siemens tools for optimal drive selection and configuration.
- **Integration Tools:** Explore how to connect Siemens drives effectively to Rockwell Automation controllers.
- **Migration Solutions:** Learn strategies for integrating Siemens drives with legacy Rockwell Automation controllers (PLC-5 and SLC 500) using AB Remote I/O and DeviceNet.
- **Commissioning a SINAMICS G120:** Gain practical skills in drive commissioning.
- **Control via CompactLogix PLC:** Control a SINAMICS G120 drive using CompactLogix PLC on EtherNet/IP™ with Studio 5000.

### Format:

- Presentation and Hands-On
- Interactive demonstrations with actual hardware

Enhance your automation  
integration skills

*Reserve Your  
Spot Today!*



# 13

Workshop

## SINAMICS G120X - Explore the SINAMICS Solution for Pumps, Fans & Compressors

**Discover the simplicity and power of SINAMICS G120X for efficient pump, fan, and compressor applications!**

This comprehensive workshop introduces the SINAMICS G120X drive, emphasizing its advanced hardware and intuitive software features. Experience firsthand how quick and easy it is to set up and program using the high-resolution graphical color keypad, the Intelligent Operator Panel (IOP-2).

### Topics Covered:

- **SINAMICS G120X Overview:** Understand the features, benefits, and applications specific to G120X.
- **Selection, Ordering, and Setup:** Master the steps for selecting, ordering, and configuring your G120X drive.
- **Commissioning G120X:** Gain hands-on experience commissioning the G120X drive effectively and efficiently.

### Format:

- Presentation and Hands-On
- Interactive demonstrations with actual hardware

**Master your pump, fan,  
and compressor applications**

***Reserve Your  
Spot Today!***



Workshop

# WinCC Unified Test Drive

14

## Experience firsthand the powerful capabilities of WinCC Unified HMI!

Join this comprehensive workshop to explore the new WinCC Unified HMI hardware and software in an interactive, hands-on environment. Learn directly through guided demonstrations and practical exercises.

### Topics Covered:

- **WinCC HMI Hardware and Software Overview:** Familiarize yourself with the latest HMI technology from Siemens.
- **Screen Development:** Learn efficient methods to design user-friendly interfaces.
- **Alarming:** Implement effective alarm management techniques.
- **JavaScript:** Discover powerful scripting capabilities to enhance HMI functionality.
- **System Diagnostics Control:** Master diagnostic tools for better system management.
- **Jumpstart Your Development:** Gain practical skills to accelerate your project timelines.

### Format:

- Presentation and Hands-On
- Interactive demonstrations with actual hardware

Boost your HMI expertise

*Reserve Your  
Spot Today!*