ROK LIVE EMEA

A **Rockwell Automation** Event

SESSION GUIDE

24 – 27 OCTOBER 2022
GOTHIA TOWERS, GOTHENBURG, SWEDEN

The **ROKLive EMEA 2022** program contains a wide variety of knowledge-packed sessions and activities. This includes our new Digital Transformation super session, specifically designed for decision makers looking to digitally transform their businesses.

Hear Digital Transformation-focused keynotes and sessions for business leaders looking to modernize their businesses. Receive technical training and development sessions for automation and controls engineers. Interact with hands-on labs featuring the newest hardware and software technologies. See presentations from the Rockwell Automation and members of the PartnerNetwork™.

Ask the Specialist: Our team of technical specialists are available throughout the event to answer any question you may have.

Drop-in room: Experience Rockwell Automation technologies at your own pace. Drop-in and find out about the base features of our key product platforms through hands-on labs. The topics covered include visualization, safety, motion, network and many more. Monday 14:00 to 18:00 and Tuesday to Thursday from 09:00 to 18:00.

onCourse discover room: Explore the possibilities of virtual hands-on sessions through the on-Course platform. Our team is on hand to help you select your session and will be by your side to guide you through this virtual experience. Monday 14:00 to 18:00 and Tuesday to Thursday from 09:00 to 18:00.

Network with industry peers and find out what's really happening at the cutting-edge of industrial innovation.

Key to Sessions

- Control (CN)
- Digital Engineering (DE)
- Digital Transformation (DX)
- Information & Analytics (IN)
- Networks (NT)
- Partner Track (PN)
- Process (PR)
- Safety & Security (SS)
- System (SY)
- Vizualisation & Collaboration (VZ)

ROOM	G1	G4	G2	F1	F2	F3
Start Time	Lab	Lab	Lab	Lab	Lab	Lab
12:00	Registration 12:00 - 20:00					
14:00	**SS01** | Developing Advanced Safety Applications Using the Allen-Bradley® GuardLogix® Integrated Safety Controller Platform	**CL06** | Integrated Motion on EtherNet/IP™: Basic Hands-on Lab	**DE02** | Virtual Commissioning Using Emulate3D™ Software: Hands-on Lab	**NT05** | Basic Stratix® Switch and EtherNet/IP™ Features in Converged Plantwide Ethernet (CPwE) Architectures	**CL02** | Introduction to Studio 5000 Logix Designer®: Hands-on Lab	**SY09** | Virtual Application Development for iTRAK® 5730 Systems
15:00						
16:00	**CL07** | Integrated Motion on EtherNet/IP™: Advanced Hands-on Lab	**SY04** | ThinManager®: Engineered for Results	**CL15** | Entry-level Motion with Kinetix® 5100: Introduction Hands-on Lab	**NT06** | Advanced Stratix® Switch and EtherNet/IP™ Features in Converged Plantwide Ethernet (CPwE) Architectures	**CL03** | Studio 5000 Logix Designer®: Advanced Hands-on Lab	**SY02** | MagneMotion® Independent Cart Technology: Hands-on Experience
17:00						
18:00	Welcome Reception 18:00 - 21:00					

ROOM	R11 + R12	J2	R17 + R18	R15	R16	R14
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12:00	Registration 12:00 - 20:00					
14:00	**IN13** | From IIoT Devices to Dashboards: Charting the Data Journey: Hands-on Lab	**IN10** | FactoryTalk® Optix™: Basic Hands-on Lab	**VZ03** | Designing Machine-level HMI with PanelView™ 5000 and Studio 5000 View Designer®: Basic Hands-on Lab	**IN03** | Use Operational Data to Boost Uptime and Extend Asset Life with Fiix® Computerized Maintenance Management System (CMMS): Hands-on Lab	**IN01** | Select Your Augmented Reality (AR) Use Case and Learn to Take Advantage of this Technology: Hands-on Lab	**PR14** | PlantPAx® V5.0: Process Application Development
15:00						
16:00	**CL10** | Connected Components Workbench™ Software Hands-on Lab	**IN11** | FactoryTalk® Optix™: Advanced Hands-on Lab	**VZ04** | Designing Machine-level HMI with PanelView™ 5000 and Studio 5000 View Designer®: Advanced Hands-on Lab			**PR12** | Implementing Digital Transformation with PlantPAx®: Hands-on Lab
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ROOM	H1	H2	J1	R2	R9	R4	R5
Start Time	Technical Session	Technical Session	Technical Session	Digital Transformation Super Session	Discussions-PPT	Partner Discussions-PPT	Discussions-PPT
09:00	IN09 | FactoryTalk® Optix™ Demo	VZ02 | How to Improve Plant Operations Through Better HMI Graphics	SY03 | ThinManager®: Solving Today's Manufacturing Challenges	DX01 | The Evolution of the Connected Enterprise	PR04 | Introduction to the Rockwell Automation® Library of Process Objects		SS03 | What is new in safety? Guardlink®
10:00		SY08 | Advanced Network Safety Solutions using Kinetix and PowerFlex Drives	NT08 | Benefits of Time Synchronization (CIP Sync) in Modern EtherNet/IP™ Network Architectures	DX02 | Revolution of the EDGE: Unhide the Previously Hidden Information in your Data Silos	PR01 | Overview of the PlantPAx® System - What's New & What's Next	PN01 | Revolutionize Deployment and Maintenance of OT Infrastructure | with Stratus	
11:00	SS04 | Upgrade Your Motion System to Advanced Safety Motion Functions With the 843ES Safety Encoder	PR02 | Defining and Sizing PlantPAx® Systems: Best Practices and What's Coming				PN07 | Extend Visibility and Handling of FactoryTalk Alarms & Events with WIN-911 Alarm Notification Platform	SS02 | Functional Safety Standards and the Changing Compliance Landscape
12:00	CL11 | Machine Start-up Made Easy	CL14 | Fundamentals of EMI/Noise and Installation and Best Practices to Mitigate it	NT11 | Remote Access for Industrial Control Equipment	DX03 | Our Vision of Cloud based Integrated Digital Engineering	PR03 | Implementation of PlantPAx® Systems: Best Practices and What's New	PN02 | Micro800™ Controllers – Spectrum Controls Helping Rockwell Automation Extend System Solutions	SS08 | Improving Control System Defense-in-Depth Security with CIP Security
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14:00			NT07 | Tips and Tricks for Deploying Network Address Translation (NAT) in Small or Complex Architectures	DE04 | Next Generation System Design: Sneak Preview of the New FactoryTalk® Design Studio™	PR06 | PlantPAx System ID: Simplify Management of Your Assets' Lifecycle	PN03 | Connecting HART field devices to third-party Asset Management tools over HART-IP in Rockwell architectures | with Softing	SS07 | Deploy Secure Network Architectures for the Connected Enterprise
15:00		CL12 | Smart Motor Control with PowerFlex AC Drives		DE06 | Bringing Teams Together in the New FactoryTalk® Design Hub	PR11 | Batch Management: Overview and What's New and What's Next	PN04 | Digitalization in Capping & Screwing Processes - Linear Rotary Motors controlled by Rockwell over Ethernet IP | with LinMot	SS06 | Cybersecurity: Why? And Where Do I Start?
16:00	DE07 | Experience Digital Twin Creation Live	VZ06 | FactoryTalk® View SE: Dashboarding at the Edge	SS10 | CIP Security: Experience the Effect of Security on Your Control System	DX06 | How the new MESA model provides a guideline on your digital transformation based on the example sustainability	PR07 | Using the PlantPAx® Ecosystem for Your Digital Transformation Journey	PN06 | Sustainable Manufacturing: Tuning & optimization approaches to PID controlled processes and systems | with Control Station	
17:00				DX07 | How Sustainability and digital thread are untapping a multi-trillion-dollar opportunity	PR08 | Securely Connecting Process Operations to the IT World	PN05 | Dream Report – user friendly reporting for Rockwell Automation	
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10:00	IN12 | Condition Monitoring 4.0: Closed Loop Predictive Maintenance	CL17 | How Track & Trace increases the Overall Machine or Plant Efficiency	IN02 | Get More Value by Combining Data Driven Maintenance Management and Operational Excellence	IN21 | The Autonomous Enterprise: How AI is advancing Automation to Autonomy	CL20 | Understanding Lifecycle and Obsolescence to decrease enterprise risk	IN04 | Leveraging the Plex Manufacturing Suite to Reduce Unplanned Downtime
11:00	NT03 | Deploy Resilient Network Architectures for the Connected Enterprise	NT12 | Cisco and Rockwell Automation for a better network infrastructure and security solution	IN18 | Cloud-Based Smart Manufacturing Platform Overview	CL04 | Developing Logix Projects with Innovations in Design Software	SY13 | Joint Rockwell Automation and Fanuc Architecture: Realizing the customer need for an integrated solution	IN06 | Connecting Maintenance to Your Digital Ecosystem with Fiix®
12:00	VZ01 | Visualization at Rockwell Automation: What's New and What's Next	CL18 | Smart Devices Enabled with IO-link Technology to Support Smart Manufacturing	IN16 | Leading with Data: Our Vision for Industrial Analytics	CL05 | Integrated Motion: What's New and What's Next	DE08 | Introduction to Physics-Based Digital Twins | with Ansys	IN20 | Extending ThingWorx Platform Out-of-the-Box-Reach | with PTC
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14:00	NT04 | Selecting the Right Stratix® Switch for Your Application	SY11 | Robotics: What's New and What's Next	IN19 | Supply Chain Visibility and the Value of End-to-End Traceability with Rockwell Automation and Kezzler		CL21 | Asset Management with Emphasis in Asset Optimization Plan and Annual Repair Agreement	IN06 | Connecting Maintenance to Your Digital Ecosystem with Fiix®
15:00	NT02 | Design Considerations for More Reliable EtherNet/IP™ Networking	SY01 | Independent Cart Technology Solutions: What's New and What's Next	IN17 | Growing, Scaling and Managing the Industrial Edge	CL05 | Integrated Motion: What's New and What's Next	DE09 | Achieving Engineering Design Optimization | with EPLAN	
16:00		SY06 | Communications Using FactoryTalk® Linx, OPC UA and KEPServer Enterprise: New Capability Overview and Demonstration	NT14 | Physical Network Infrastructure Products and Services with Panduit	CL08 | PowerFlex® Variable Frequency Drives: What's New and What's Next	IN05 | Achieving Continuous Improvement with Real-time Operations Visibility	IN08 | Collaborating With Microsoft at the Edge to Map the Next Frontier of Industrial Digital Transformation
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11:00 – 12:00 / 13:00	**CL07** | Integrated Motion on EtherNet/IP™: Advanced Lab	**SY04** | ThinManager®: Engineered for Results	**DE02** | Virtual Commissioning Using Emulate3D™ Software: Hands-on Lab	**NT06** | Advanced Stratix® Switch and EtherNet/IP™ Features in Converged Plantwide Ethernet (CPwE) Architectures	**SS11** | Introduction to the Design and Implementation of FactoryTalk® Security in a Control System	**SY02** | MagneMotion® Independent Cart Technology: Hands-on Experience
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08:00	**NT01** | Fundamentals of EtherNet/IP™ IIoT Network Technology		**IN02** | Get More Value by Combining Data Driven Maintenance Management and Operational Excellence	**CL01** | An Inside Look at Studio 5000® v34 and the Impact on Our Hardware and Software Solution	**IN22** | FactoryTalk® Optix™ Overview	**IN06** | Connecting Maintenance to Your Digital Ecosystem with Fiix®
09:00	**NT04** | Selecting the Right Stratix® Switch for Your Application	**SY01** | Independent Cart Technology Solutions: What's New and What's Next	**IN17** | Growing, Scaling and Managing the Industrial Edge	**CL04** | Developing Logix Projects with Innovations in Design Software	**DE05** | Run Virtual Commissioning Using Emulate3D™ Digital Twin Software	
10:00	**IN12** | Condition Monitoring 4.0: Closed Loop Predictive Maintenance	**CL18** | Smart Devices Enabled with IO-link Technology to support Smart Manufacturing	**IN15** | A Day in the Life of a Digital Worker: Augmented Reality Use Cases	**CL19** | Addressing the Leading Edge of Technology Through Control and Compute Vision	**IN05** | Achieving Continuous Improvement with Real-time Operations Visibility	**IN04** | Leveraging the Plex Manufacturing Suite to Reduce Unplanned Downtime
11:00	**NT02** | Design Considerations for More Reliable EtherNet/IP™ Networking	**SY06** | Communications Using FactoryTalk® Linx, OPC UA and KEPServer Enterprise: New Capability Overview and Demonstration	**IN16** | Leading with Data: Our Vision for Industrial Analytics	**CL05** | Integrated Motion: What's New and What's Next		**IN20** | Extending ThingWorx Platform Out-of-the-Box-Reach | with PTC
12:00						
13:00	**NT03** | Deploy Resilient Network Architectures for the Connected Enterprise	**CL17** | How Track & Trace increases the Overall Machine or Plant Efficiency	**IN18** | Cloud-Based Smart Manufacturing Platform Overview	**CL16** | Connected Components Workbench™ Software: What's New		**IN08** | Collaborating With Microsoft at the Edge to Map the Next Frontier of Industrial Digital Transformation
14:00	**VZ01** | Visualization at Rockwell Automation: What's New and What's Next					
15:00	**NT10** | Deploying Parallel Redundancy Protocol Within a Converged Plantwide Ethernet Architecture			**CL08** | PowerFlex® Variable Frequency Drives: What's New and What's Next		
16:00						
17:00						

ROK LIVE EMEA
A Rockwell Automation Event

ROOM	G1	G4	G2	F1	F2	F3
Start Time	Lab	Lab	Lab	Lab	Lab	Lab
08:00 / 09:00	**SS01** | Developing Advanced Safety Applications Using the Allen-Bradley® GuardLogix® Integrated Safety Controller Platform	**CL06** | Integrated Motion on EtherNet/IP™: Basic Hands-on Lab	**DE01** | Using Digital Engineering Workflows to Improve Machine Design Cycles: Hands-on Lab	**NT05** | Basic Stratix® Switch and EtherNet/IP™ Features in Converged Plantwide Ethernet (CPwE) Architectures	**SY07** | Using FactoryTalk® Linx, OPC UA and KEPServer Enterprise Comms With FactoryTalk® and 3rd party software	**SY02** | MagneMotion® Independent Cart Technology: Hands-on Experience
10:00 / 11:00 / 12:00	**CL07** | Integrated Motion on EtherNet/IP™: Advanced Hands-on Lab	**CL06** | Integrated Motion on EtherNet/IP™: Basic Hands-on Lab	**DE02** | Virtual Commissioning Using Emulate3D™ Software: Hands-on Lab	**NT06** | Advanced Stratix® Switch and EtherNet/IP™ Features in Converged Plantwide Ethernet (CPwE) Architectures	**SS11** | Introduction to the Design and Implementation of FactoryTalk® Security in a Control System	**SY02** | MagneMotion® Independent Cart Technology: Hands-on Experience
13:00 / 14:00	**CL07** | Integrated Motion on EtherNet/IP™: Advanced Hands-on Lab	**SY04** | ThinManager®: Engineered for Results	**DE03** | Independent Cart Technology: Design to Simulation with Emulate3D™	**SS09** | CIP Security Improves Control System Defense-in-Depth Security	**SS12** | Advanced Design, Management, and Implementation of FactoryTalk® Security in a Control System	**SY09** | Virtual Application Development for iTRAK® 5730 Systems
15:00 / 16:00 / 17:00	**SS01** | Developing Advanced Safety Applications Using the Allen-Bradley® GuardLogix® Integrated Safety Controller Platform	**SY05** | ThinManager®: Securing the Connected Enterprise	**DE02** | Virtual Commissioning Using Emulate3D™ Software: Hands-on Lab	**NT06** | Advanced Stratix® Switch and EtherNet/IP™ Features in Converged Plantwide Ethernet (CPwE) Architectures	**CL02** | Introduction to Studio 5000 Logix Designer®: Hands-on Lab	**SY02** | MagneMotion® Independent Cart Technology: Hands-on Experience

ROOM	R11 + R12	J2	R17 + R18	R15	R16	R14
Start Time	Lab	Lab	Lab	Lab	Lab	Lab
08:00 / 09:00	**CL10** | Connected Components Workbench™ Software Hands-on Lab	**IN14** | Drive IT/OT Convergence with Contextualization at Edge: Hands-on Lab (FactoryTalk® Edge Gateway™)	**VZ03** | Designing Machine-level HMI with PanelView™ 5000 and Studio 5000 View Designer®: Basic Hands-on Lab		**IN01** | Select Your Augmented Reality (AR) Use Case and Learn to Take Advantage of this Technology: Hands-on Lab	**PR12** | Implementing Digital Transformation with PlantPAx®: Hands-on Lab
10:00 / 11:00 / 12:00	**IN13** | From IIoT Devices to Dashboards: Charting the Data Journey: Hands-on Lab	**VZ07** | What's New in FactoryTalk® View Site Edition Hands-on Lab	**SS05** | Smart Safety Systems: Reducing Costs, Downtime and Injuries	**IN03** | Use Operational Data to Boost Uptime and Extend Asset Life with Fiix® Computerized Maintenance Management System (CMMS): Hands-on Lab		**PR14** | PlantPAx® V5.0: Process Application Development
13:00 / 14:00	**CL09** | PowerFlex 755TS AC Drives: Hands-on Experience	**IN10** | FactoryTalk® Optix™: Basic Hands-on Lab	**VZ04** | Designing Machine-level HMI with PanelView™ 5000 and Studio 5000 View Designer®: Advanced Hands-on Lab	**IN03** | Use Operational Data to Boost Uptime and Extend Asset Life with Fiix® Computerized Maintenance Management System (CMMS): Hands-on Lab		**PR13** | System Implementation – FactoryTalk® Batch v15 – Applications Development Hands-on Lab
15:00 / 16:00 / 17:00	**CL09** | PowerFlex 755TS AC Drives: Hands-on Experience	**IN11** | FactoryTalk® Optix™: Advanced Hands-on Lab				

CL01 | Control

An Inside Look at Studio 5000® v34 and the Impact on our Hardware and Software Solutions

This session highlights how Studio 5000® v34 increases our CIP Security footprint across Logix controllers and improves the online experience for the software user. It also gives a preview of future enhancements planned in the upcoming Studio 5000 v35.

Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R24 | **Duration:** 1 hour | **No. of Occurrences:** 3

CL02 | Control

Introduction to Studio 5000® Logix Designer®: Hands-on Lab

Are you new to Logix programming or are you in need of a refresher on the basics? This lab provides an overview of the core capabilities of Studio 5000 Logix Designer® and demonstrate good design practices.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: F2 | **Duration:** 2 hours | **No. of Occurrences:** 4

CL03 | Control

Studio 5000 Logix Designer® Advanced: Hands-on Lab

Experienced users of Studio 5000 Logix Designer®; join this session to learn about the latest updates and newest features of the application including expanded hardware support, productivity enhancements and new application capabilities.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: F2 | **Duration:** 2 hours | **No. of Occurrences:** 4

CL04 | Control

Developing Logix Projects with Innovations in Design Software

There's more to development and innovation in Design Software beyond the most recent version release. Join us to hear how recent developments inside and outside of Studio 5000 Logix Designer® have contributed to an overall advancement of the Logix experience. This includes an understanding of Studio 5000 Logix Designer releases as well as advancements in Emulation and Cloud that bring new opportunities to Logix developers.

Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Discussion
Session Content Level: Advanced
Room: R24 | **Duration:** 1 hour | **No. of Occurrences:** 3

CL05 | Control

Integrated Motion: What's New and What's Next

This session introduces the latest additions to the Integrated Motion on EtherNet/IP™ product portfolio, and a preview of upcoming products and features. New products will be highlighted.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R24 | **Duration:** 1 hour | **No. of Occurrences:** 4

CL06 | Control

Integrated Motion on EtherNet/IP™: Basic Hands-on Lab

Learn how to configure, program and commission a CompactLogix™ 5370 controller with integrated motion on EtherNet/IP™ using the new Kinetix® 5500 servo drives and PowerFlex® 527 variable-frequency drives.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: G4 | **Duration:** 2 hours | **No. of Occurrences:** 6

CL07 | Control

Integrated Motion on EtherNet/IP™: Advanced Lab

This hands-on lab showcases how our Integrated Architecture® system takes motion to the next level. This session will be based on the new ControlLogix® 5580 controller, 5069 Compact I/O™ and Kinetix® 5700 servo drives and demonstrates how they combine to boost motion performance and advanced safety.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: G1 | **Duration:** 2 hours | **No. of Occurrences:** 7

CL08 | Control

PowerFlex® Variable Frequency Drives: What's New and What's Next

Learn about the new capabilities and advanced features of today's PowerFlex® drive portfolio. Get an update on the latest additions to the low voltage drive families (PowerFlex 755TS and ArmorPowerFlex).

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R24 | **Duration:** 1 hour | **No. of Occurrences:** 3

CL09 | Control

PowerFlex® 755TS AC Drives: Hands-on Experience

The session offers the chance to experience key features of PowerFlex® 755TS AC Drives with TotalFORCE® technology, such as assisted start-up, adaptive control and predictive maintenance. The lab will be run with remotely installed drives and control hardware.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: R11+R12 | **Duration:** 2 hours | **No. of Occurrences:** 5

CL10 | Control

Connected Components Workbench™ Software Lab

This lab will provide hands-on experience, with basic programming of a Micro800™ controller, a PowerFlex® drive and other devices. You will learn about the new features in the Connected Components Workbench™ software. They include; similar workflows to RSLogix 500® and Studio 5000® Logix Designer® application, instruction toolbar, copy/paste, preferred environment programming and how to develop and test programs with the new Micro800™ Simulator.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: R11+R12 | **Duration:** 2 hours | **No. of Occurrences:** 5

CL11 | Control

Machine Start-up Made Easy

Discover how new adaptive control features minimize tuning efforts and improve performance of PowerFlex® drives and Kinetix® servo applications. Enhancements such as load observer, tracking notch filters and gain stabilization will identify load characteristics and intelligently adjust loop gains. Changes to the machine behaviour over time will be recognized and addressed automatically. These principles will be demonstrated live with smaller scale servo hardware.

Key Topic: Intelligent Device
Session Type: Demonstration
Session Content Level: Intermediate
Room: H1 | **Duration:** 1 hour | **No. of Occurrences:** 2

CL12 | Control

Smart Motor Control with PowerFlex® AC Drives

The session provides an insight into advanced features of PowerFlex® 755TS AC Drives. These include advanced tuning, predictive diagnostics, and CIP security. Each feature will be illustrated by application references and live demonstrations.

Key Topic: Intelligent Device
Session Type: Demonstration
Session Content Level: Intermediate
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

CL13 | Control

Make Better Machine Process Decisions Based on the Virtual Torque Sensor (VTS) Embedded in the Kinetix® Servo Drives

Learn more about how the VTS can provide you with enhanced process and machine state data without adding complexity. This easy-to-use feature allows for better predictive diagnostics, faster jam detection, process pattern recognition, quality assurance and maintenance assistance.

Key Topic: Intelligent Device
Session Type: Demonstration
Session Content Level: Advanced
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

CL14 | Control

Fundamentals of EMI/Noise and Installation and Best Practices to Mitigate it

In this session we will explain the basic physics behind High Frequency Noise, where EMI/Noise originates and how it can affect industrial installations. Further, we will demonstrate through presentation and demonstration, how noise can be mitigated by using best practices.

Key Topic: Intelligent Device
Session Type: Demonstration
Session Content Level: Intermediate
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

CL15 | Control

Entry Level Motion with Kinetix® 5100: Introduction Lab

You will be introduced to the features and capabilities of the new Kinetix® 5100 drive as well as all the different possibilities to integrate the drive in your applications. You will also experience the inherent ease with which you can define your motion process in different settings.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: G2 | **Duration:** 2 hours | **No. of Occurrences:** 3

CL16 | Control

Connected Components Workbench™ Software: What's New

Learn about new features, in Connected Components Workbench™ software, which help to reduce design and set-up time of small machine applications through the configuration and programming of multiple devices in the same project. This includes Micro800™ Controllers, PanelView™ 800 Graphic Terminals, PowerFlex® Drives, Guardmaster® safety products, E200™ Electronic Overload Relay, and Kinetix® 5100 Drives.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R24 | **Duration:** 1 hour | **No. of Occurrences:** 2

CL17 | Control
How Track & Trace Increases the Overall Machine or Plant Efficiency
In this session we will introduce the Rockwell Ident portfolio with RFID and Code Readers, and we will show some uses cases and demonstrate how we can improve OEE.
Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R22 | **Duration:** 1 hour | **No. of Occurrences:** 3

CL18 | Control
Smart Devices Enabled with IO-link Technology to Support Smart Manufacturing
This session gives an update on IO-Link technology and the relevant product offerings to support smart manufacturing and the Connected Enterprise.
Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R22 | **Duration:** 1 hour | **No. of Occurrences:** 3

CL19 | Control
Addressing the Leading EDGE of Technology Through Control and Compute Vision
Learn how we address the EDGE market today with our current offering, and what we have planned in anticipation of future cloud connectivity requirements.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Intermediate
Room: R24 | **Duration:** 1 hour | **No. of Occurrences:** 2

CL20 | Control
Understanding Lifecycle and Obsolescence to Decrease Enterprise Risk
Leveraging modern techniques and reporting to help understand your asset inventory. Having an accurate asset inventory is the first step in understanding your risks around obsolescence and cybersecurity.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R25 | **Duration:** 1 hour | **No. of Occurrences:** 2

CL21 | Control
Asset Management with Emphasis in Asset Optimization Plan and Annual Repair Agreement
Optimize you asset handling – get a deeper understanding of what are the driving factors. See how a structured approach can help you to reduce Meantime to Repair, optimize OEE, reduce cost and do in a sustainable way.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R25 | **Duration:** 1 hour | **No. of Occurrences:** 2

DE01 | Digital Engineering
Using Digital Engineering Workflows to Improve Machine Design Cycles: Hands-on Lab
Machine design is a time-intensive and error-prone process. Decrease risk and improve time-to-market by iterating on your design digitally. This lab will build from CAD to an operational digital twin. This will include Studio 5000® design software, FactoryTalk® Logix Echo emulation software, Emulate3D™ digital twin software and FactoryTalk® View HMI software.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: G2 | **Duration:** 2 hours | **No. of Occurrences:** 3

DE02 | Digital Engineering
Virtual Commissioning Using Emulate3D™ Software: Hands-on Lab
Emulate3D™ simplifies your control logic testing. This lab will let you experience how Emulate3D can be used to develop, test, and produce robust PLC and mid-level control systems offline, before building the real system. By using a 3D model to provide realistic feedback in place of the real automated system, operator training can also be made safer, cheaper, and less disruptive to existing production.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: G2 | **Duration:** 2 hours | **No. of Occurrences:** 5

DE03 | Digital Engineering
Independent Cart Technology: Design to Simulation with Emulate3D™
By working with the iTRAK and MagneMover® Lite, you will use the Studio 5000® Application Code Manager (ACM) integration in Emulate3D™ to design and generate a PLC application.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: G2 | **Duration:** 2 hours | **No. of Occurrences:** 3

DE04 | Digital Engineering
Next Generation System Design: Sneak Preview of the New FactoryTalk® Design Studio™
FactoryTalk® Design Studio™ combines next generation design functionality with the benefits of SaaS and cloud-based delivery. Learn more about how we're accelerating system-focused design, empowering users of different skillsets and transforming how you think about industrial automation.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 2

DE05 | Digital Engineering
Run Virtual Commissioning Using Emulate3D™ Digital Twin Software
Ever dreamt of being able to develop and debug control code before the piece of equipment to be automated is even built? Come to this session and see exactly how this can be done by connecting your programmable automation controller to a 3D digital model of the equipment using Emulate3D™ software. See how simulation can reduce investment risks, improve time to market and increase understanding, and how virtual reality can extend that understanding into a fully immersive experience.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Discussion
Session Content Level: Intermediate
Room: R25 | **Duration:** 1 hour | **No. of Occurrences:** 3

DE06 | Digital Engineering
Bringing Teams Together in the new FactoryTalk® Design Hub
Preview how teams can work more easily and efficiently with FactoryTalk® Design Hub. Start your cloud-based design with files stored in FactoryTalk Vault™, then experience on-demand access to design software. Join this session and learn how teams can work together and save time collaborating in the cloud.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 2

DE07 | Digital Engineering
Experience Digital Twin Creation Live
Experience the features and benefits of starting your conveying system with a digital twin design before creating the physical system. This demo will show you how to create and evaluate different layouts or functions and how to integrate with other equipment, and as result, speed up the commissioning phase.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Demonstration
Session Content Level: Intermediate
Room: H1 | **Duration:** 1 hour | **No. of Occurrences:** 3

DE08 | Digital Engineering
Introduction to Physics-Based Digital Twins | with Ansys
Learn how Ansys technology enables digital transformation by connecting the physical and digital world during design, operations and maintenance stages of the industrial lifecycle through simulation-based digital twins of products, processes and manufacturing.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Discussion
Session Content Level: Beginner
Room: R25 | **Duration:** 1 hour | **No. of Occurrences:** 2

DE09 | Digital Engineering
Achieving Engineering Design Optimization | with EPLAN
From concept to operation and maintenance, learn how EPLAN can optimize your automation solution for OEMs, System Integrators and End Users. Increase top line growth while improving your bottom line through engineering efficiency.
Key Topic: Digital Engineering (Machine, cell, line & plan design)
Session Type: Discussion
Session Content Level: Beginner
Room: R25 | **Duration:** 1 hour | **No. of Occurrences:** 2

DX01 | Digital Transformation
The Evolution of the Connected Enterprise
Together we're on this journey since 2014 and we're exited to share the latest evolution of the Connected Enterprise with you. Get insights on Rockwell Automations global digital transformation strategy and why cloud and our new SaaS solutions can help you to achieve results faster and easier.
Key Topic: Digital Transformation
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 2

DX02 | Digital Transformation
Revolution of the EDGE - Unhide the Previously Hidden Information in your Data Silos
120 years of passion for Industrial Automation is giving us a unique position to bring OT – IT together and connecting the dots in your Enterprise or Machine. The new way of using the EDGE as your IIoT Gateway to the Cloud can connect all silos to unhide the values in the industry.
Key Topic: Digital Transformation
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 1

A **Rockwell Automation** Event

DX03 | Digital Transformation
Our Vision of Cloud based Integrated Digital Engineering

Digital Engineering is evolving to make the full lifecycle workflows easier and faster, using our new cloud based and SaaS suite: FactoryTalk® Hub™. Discover what's new and what's next in cloud services and how teams can work more easily and efficiently.

Key Topic: Digital Transformation
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 1

DX04 | Digital Transformation
Manufacturing Power in your Hands with our Smart Manufacturing Platform

Get insights on Rockwell Automations smart manufacturing platform and the strategy for Cloud-based production operations. Thanks to our latest acquisitions now it is adding Cloud-based manufacturing power to the Connected Enterprise.

Key Topic: Digital Transformation
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 1

DX05 | Digital Transformation
Getting back Control of Production Services & Maintenance

Perfectly serviced Production Systems are helping you to achieve your sustainability goals. This session will share how one of our latest acquisitions is adding Cloud-based CMMS to the Connected Enterprise. This new platform allows your connected worker to increase their efficiency and reduce the unplanned downtimes. Get insights on Rockwell Automations Cloud based Production Service & Maintenance system as part of our new Production ECOSYSTEM.

Key Topic: Digital Transformation
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 1

DX06 | Digital Transformation
How the new MESA model provides a guideline on your digital transformation based on the example sustainability

In this session MESA will present the new MESA Smart Manufacturing Model, linking digital threads of business processes with those of support processes, asset lifecycles, and enabling technologies on the example of sustainability and Energy. This model breaks the landscape into manageable pieces so everyone can understand the components and provides recommendations on the lifecycles that impact manufacturing operations including supply chain, personnel, order to cash, product, production, and production assets. Ultimately the result is to focus attention on the business outcomes and provide actionable information, such that organizations can make improvements that impact the business and provide tangible business benefits.

Key Topic: Digital Transformation
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 2

DX07 | Digital Transformation
Multi-Trillion-dollar Sustainability Opportunities

Sustainability is a key element for all companies now and in the future as consumer and market behavior changes dramatically toward trustful, sustainable companies. Transitioning to a more sustainable economy is a multi-trillion-dollar opportunity that promises a thriving future for us all, and the digital thread is a key to that future. With sustainability pressures from markets, fund managers, customers, regulators, and talent. Where to begin?

In this session, we will discuss the market forces influencing c-suite and the board of directors. We will discuss the digital thread and how it helps digitize sustainability for faster, compliant, more efficient sustainability outcomes. We will share use cases describing the outcomes in energy, water and waste.

Key Topic: Digital Transformation
Session Type: Discussion
Session Content Level: Intermediate
Room: R2 | **Duration:** 1 hour | **No. of Occurrences:** 2

IN01 | Information & Analytics
Select your Augmented Reality (AR) Use Case and Learn to Take Advantage of this Technology: Hands-on Lab

Augmented Reality (AR) is rapidly changing the workplace. In manufacturing, AR offers many opportunities for efficiency, safety and productivity. Which use case is relevant to you? Join us to create your first Augmented Reality (AR) project. In this lab, you will learn CAD-based AR work instructions, knowledge based AR work instructions or tailored AR experiences with 3D and Internet of Things.

Key Topic: Analytics, Maintenance & Data Management
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: R16 | **Duration:** 2 hours | **No. of Occurrences:** 10

IN02 | Information & Analytics
Get more Value by Combining Data Driven Maintenance Management and Operational Excellence

In today's manufacturing environment, moving with speed and focusing on innovation is expected and required to be, and remain competitive. As a result, manufacturers must design, operate and maintain effectively in order to reduce costs, improve worker efficiency, and enable optimal asset health and reliability. These are business imperatives to enable efficient and effective outcomes for the organization and its workforce. Join us to learn how data-driven, automated maintenance, delivered by integrated Plex and Fiix® product offerings, helps to enable these outcomes.

Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R23 | **Duration:** 1 hour | **No. of Occurrences:** 3

IN03 | Information & Analytics
Use Operational Data to Boost Uptime and Extend Asset Life with Fiix® Computerized Maintenance Management System (CMMS): Hands-on Lab

Fiix®, a cloud-based, AI-powered CMMS helps businesses manage their maintenance in one place, with a few clicks, so they can hit their production targets while reducing costs. Join us to test the system, connect with technical experts and see how it works in a real-world environment.

Key Topic: Analytics, Maintenance & Data Management
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: R15 | **Duration:** 2 hours | **No. of Occurrences:** 7

IN04 | Information & Analytics
Leveraging the Plex Manufacturing Suite to Reduce Unplanned Downtime

Every minute of unplanned downtime translates to a loss of revenue. Learn how you can predict and prevent downtime, and quickly react to unplanned downtime, utilizing the tight integration between Plex's MES, Automation and Orchestration, and Asset Performance management solutions.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R26 | **Duration:** 1 hour | **No. of Occurrences:** 4

IN05 | Information & Analytics
Achieving Continuous Improvement with Real-time Operations Visibility

Discover how self-service, interactive storyboards can help you explore manufacturing data and gain actionable insights into your line, plant and enterprise-wide operation. Improve productivity and efficiency without relying on IT or expensive data warehouse infrastructures.

Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R25 | **Duration:** 1 hour | **No. of Occurrences:** 3

IN06 | Information & Analytics
Connecting Maintenance to Your Digital Ecosystem with Fiix®

Discover how Fiix® can help reduce downtime and labor or operating costs with a powerful digital maintenance platform. You'll learn about upcoming features, customer outcomes and ways of evolving your current maintenance strategy into a comprehensive digital maintenance reality.

Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R26 | **Duration:** 1 hour | **No. of Occurrences:** 4

IN08 | Information & Analytics
Collaborating with Microsoft at the Edge to Map the Next Frontier of Industrial Digital Transformation

Learn how Rockwell Automation and Microsoft are jointly charting the future of industrial digital transformation with robust edge to cloud capabilities. Highlighting the power of partnership, this session features our revolutionary Edge-as-a-Service offering, and integration with the Azure Internet of Things Edge, for driving business outcomes.

Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R26 | **Duration:** 1 hour | **No. of Occurrences:** 4

IN09 | Information & Analytics
FactoryTalk® Optix™ Demo

Stop by for a sneak preview of the new FactoryTalk® Optix™, coming soon to our portfolio. Learn how to improve the delivery of your visualization through an open, scalable, extensible platform coupled with cloud-enabled editing, version management and multi-user collaboration - all with flexible licensing.

Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Advanced Features
Room: H1 | **Duration:** 2 hours | **No. of Occurrences:** 3

ROK LIVE EMEA
A Rockwell Automation Event

IN10 | Information & Analytics
FactoryTalk® Optix™: Basic Hands-on Lab
Experience the new FactoryTalk® Optix™, coming soon to the Visualization portfolio. Learn the fundamental techniques to rapidly develop and deploy visualization projects using object-oriented principles and templates. Experiment with project emulation and interoperability, with OPC UA and IOT protocols.
Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: J2 | **Duration:** 2 hours | **No. of Occurrences:** 4

IN11 | Information & Analytics
FactoryTalk® Optix™: Advanced Hands-on Lab
Experience the new FactoryTalk® Optix, coming soon to the Visualization portfolio. Study the more advanced functionality of FT Flex that allows you to rapidly develop and deploy visualization projects using object-oriented principles and templates and IOT protocols.
Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: J2 | **Duration:** 2 hours | **No. of Occurrences:** 4

IN12 | Information & Analytics
Condition Monitoring 4.0: Closed Loop Predictive Maintenance
A look into how technology is transforming the way we perform condition monitoring for predictive maintenance purposes – For ease of implementation and interpretation of data; Real time machinery monitoring; Contextualized alerts; Assistance with maintenance management.
Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R21 | **Duration:** 1 hour | **No. of Occurrences:** 3

IN13 | Information & Analytics
From IIoT Devices to Dashboards - Charting the Data Journey: Hands-on Lab
Witness the cradle-to-insight, full cycle journey of industrial data from the controls layer and IIoT devices to edge computing and the cloud. In this lab, you'll configure Rockwell Automation devices, control, edge and dashboards to bring industrial insights to an enterprise level.
Key Topic: Control & Communication
Session Type: Hands-On Lab
Session Content Level: Intermediate
Room: R11+R12 | **Duration:** 2 hours | **No. of Occurrences:** 4

IN14 | Information & Analytics
Drive IT/OT Convergence with Contextualization at the Edge: Hands-on Lab (FactoryTalk® Edge Gateway™)
FactoryTalk® Edge Gateway™ simplifies and automates collection, contextualization and organization of industrial data across machines, devices and assets with proprietary FactoryTalk® Smart Object™ capability. Join us in this lab to learn how to unlock enterprise-level insights from your industrial data.
Key Topic: Control & Communication
Session Type: Hands-On Lab
Session Content Level: Beginner
Room: J2 | **Duration:** 2 hours | **No. of Occurrences:** 3

IN15 | Information & Analytics
A Day in the Life of a Digital Worker: Augmented Reality Use Cases
What would happen in your organization if procedural information was nowhere to be found? If enablement depended only on outdated manuals? Are you ready to prepare a new generation of workers in your team? Learn how our augmented reality solutions address these challenges.
Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R23 | **Duration:** 1 hour | **No. of Occurrences:** 3

IN16 | Information & Analytics
Leading with Data: Our Vision for Industrial Analytics
Learn how Rockwell Automation is delivering on the promise of digital transformation and IT/OT convergence 2.0, through our strategic vision of industrial analytics capabilities, spanning the diagnostic to prescriptive spectrum, and the industry use cases we are tackling in the marketplace.
Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R23 | **Duration:** 1 hour | **No. of Occurrences:** 3

IN17 | Information & Analytics
Growing, Scaling and Managing the Industrial Edge
The industrial edge is critical to data collection, analytics and operations management across devices. Edge management is the next frontier for simplifying deployments and creating consistency across your enterprise. Learn how you can take your edge operations to the next level with our innovative vision.
Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R23 | **Duration:** 1 hour | **No. of Occurrences:** 3

IN18 | Information & Analytics
Cloud-Based Smart Manufacturing Platform Overview
An overview of our cloud-based capability to deliver best-in-class cloud solutions, plus an examination of the manufacturing and business problems it solves with its Smart Manufacturing Platform.
Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Beginner
Room: R23 | **Duration:** 1 hour | **No. of Occurrences:** 4

IN19 | Information & Analytics
Supply Chain Visibility and the Value of End-to-End Traceability with Rockwell Automation and Kezzler
Rockwell Automation weaves a digital thread throughout the entire production process. Unit level serialization extends that thread beyond the walls of the plant to furnish a company with new insights and visibility in the supply chain, tools to address ESG goals and strengthen consumer loyalty.
Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Beginner
Room: R23 | **Duration:** 1 hour | **No. of Occurrences:** 2

IN20 | Information & Analytics
Extending PTC ThingWorx Platform Out-of-the-Box-Reach
Centralize the data that your assets provide and connect them for easy inventory, installation status, critical lifecycle information and more. Applications powered by the ThingWorx platform are out-of-the-box ready to wrap and extend your assets for immediate insight and business systems integration.
Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R26 | **Duration:** 1 hour | **No. of Occurrences:** 3

IN21 | Information & Analytics
The Autonomous Enterprise: How AI is advancing Automation to Autonomy
This session explores how companies augment legacy control strategies with prescriptive machine learning capabilities to achieve greater production throughput and yields.
Key Topic: Analytics, Maintenance & Data Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R24 | **Duration:** 1 hour | **No. of Occurrences:** 2

IN22 | Information & Analytics
FactoryTalk® Optix™ Overview
This session will show you a sneak preview and overview of the new FactoryTalk® Optix™, coming soon to our portfolio. Learn how to improve the delivery of your visualization through an open, scalable, extensible platform coupled with cloud-enabled editing, version management and multi-user collaboration - all with flexible licensing.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R25 | **Duration:** 1 hour | **No. of Occurrences:** 3

NT01 | Networks
Fundamentals of EtherNet/IP™ IIoT Network Technology
This discussion will review the capabilities and features of EtherNet/IP™, including an overview of networking technology and terminology. Learn how the Common Industrial Protocol (CIP) fully uses the Open Systems Interconnection (OSI) 7-layer reference model and enables the Industrial Internet of Things (IIoT).
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R21 | **Duration:** 1 hour | **No. of Occurrences:** 3

NT02 | Networks
Design Considerations for More Reliable EtherNet/IP™ Networking
This discussion will review the factors which could help you when you design and deploy a scalable, more reliable, safer and future-ready EtherNet/IP™ network infrastructure. Topics will include segmentation techniques, data prioritization, resiliency, structure and hierarchy. A prior understanding of general Ethernet concepts, or attendance of the Fundamentals of EtherNet/IP Network IIoT Technology session is recommended.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Intermediate
Room: R21 | **Duration:** 1 hour | **No. of Occurrences:** 3

NT03 | Networks

Deploy Resilient Network Architectures for the Connected Enterprise

Optimization of your plant-wide architecture requires a network infrastructure that is scalable, reliable, safe, secure and future-ready. Learn about the Cisco and Rockwell Automation® CPwE resiliency framework and multiple resiliency protocols, including DLR, REP, VSS, StackWise, PRP, and others using Stratix® and Catalyst switches. A prior understanding of general Ethernet concepts, or attendance of the Fundamentals of EtherNet/IP™ Network IIoT Technology session is recommended.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Intermediate
Room: R21 | **Duration:** 1 hour | **No. of Occurrences:** 3

NT04 | Networks

Selecting the Right Stratix® Switch for your Application

When choosing the appropriate industrial switch for your network, we understand there is a lot to consider. We offer many options from unmanaged, to lightly managed, to fully managed switch versions. Which is best for your industrial application? Learn more about how to get the balance of functionality at the right price-point for your application, and see how the industrial switches are used within Converged Plantwide Ethernet tested and recommended network architectures.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R21 | **Duration:** 1 hour | **No. of Occurrences:** 3

NT05 | Networks

Basic Stratix® Switch and EtherNet/IP™ Features in Converged Plantwide Ethernet (CPwE) Architectures

This hands-on lab will cover a variety of techniques and best practices using EtherNet/IP™, including Stratix® hardware familiarization. It will demonstrate how to configure Stratix switches using the Device Manager, the AOP and controller tags in Studio 5000®; and how to use the Stratix FactoryTalk® View faceplates for diagnostics. It will also show configuration and diagnostics of a Device Level Ring (DLR) Topology.
Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: F1 | **Duration:** 2 hours | **No. of Occurrences:** 6

NT06 | Networks

Advanced Stratix® Switch and EtherNet/IP™ Features in Converged Plantwide Ethernet (CPwE) Architectures

This hands-on lab will cover some of the advanced Stratix® switch features such as Network Address Translation (NAT), VLAN segmentation, Connected Routing, and switch resiliency and security. A prior knowledge of the basic EtherNet/IP™ and Stratix switch features, or attendance of the Basic Stratix Switch and EtherNet/IP Features in Converged Plantwide Ethernet (CPwE) Architectures lab, is recommended.
Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: F1 | **Duration:** 2 hours | **No. of Occurrences:** 5

NT07 | Networks

Tips and Tricks for Deploying Network Address Translation (NAT) in Small or Complex Architectures

In this demonstration you will see how to configure Network Address Translation (NAT), from a single machine application through to a large/complex segmented network architecture. A prior understanding of general Ethernet concepts, or attendance of the Fundamentals of EtherNet/IP™ IIoT Network Technology session, is recommended.
Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Intermediate
Room: J1 | **Duration:** 1 hour | **No. of Occurrences:** 2

NT08 | Networks

Benefits of Time Synchronization (CIP Sync) in Modern EtherNet/IP™ Network Architectures

During this demonstration we will show you the importance of time synchronization required for IO timestamping and motion applications. You will learn to recognize specific challenges and how to overcome them. This demonstration will provide you with the knowledge to build robust installations/machines, and the ability to integrate them into a Converged Plantwide Ethernet Architecture.
Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Intermediate
Room: J1 | **Duration:** 1 hour | **No. of Occurrences:** 3

NT09 | Networks

Reduce the Time to Deploy, Duplicate and Maintain Stratix® 5800 Managed Switches

This session will provide you with tips and tricks for reducing the time to deploy, duplicate and maintain Stratix® managed switches for industrial applications. The session will cover topics such as Express Setup, switch configuration via WEBUI and Add-On Profile, Backup and Restore, and SD card for duplicating configurations.
Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Beginner
Room: J1 | **Duration:** 2 hours | **No. of Occurrences:** 2

NT10 | Networks

Deploying Parallel Redundancy Protocol Within a Converged Plantwide Ethernet Architecture

This session provides an overview of the CPwE PRP Design and Implementation Guide, including information on the PRP technology, how to use it, how not to use it, and how to configure and monitor the PRP network.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Intermediate
Room: R21 | **Duration:** 1 hour | **No. of Occurrences:** 3

NT11 | Networks

Remote Access for Industrial Control Equipment

Join us as we look at the newly released Stratix® 4300 Router for remote access of industrial machines. This session will include a live demo that shows how to create a remote connection to the Stratix 4300 and the remote machines, by accessing the FactoryTalk® Remote Access from FactoryTalk Hub platforms.
Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Beginner
Room: J1 | **Duration:** 1 hour | **No. of Occurrences:** 3

NT12 | Networks

Cisco and Rockwell Automation for a Better Network Infrastructure and Security Solution

No single product, technology, methodology or strategy can fully secure industrial operations. Cisco and Rockwell Automation share a vision to protect industrial assets with a holistic defense-in-depth approach. This uses diverse technologies for threat detection and prevention, implemented by different personas and applied at different levels of the architecture. Join us as we discuss joint architectural solutions for policy-based access control to help achieve aspects of Zero Trust for devices, networks and applications.
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R22 | **Duration:** 1 hour | **No. of Occurrences:** 2

NT13 | Networks

Are you Cyber Secure? With Claroty for a Secure Remote Access and Active Threat Detection

Description coming soon!
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R22 | **Duration:** 1 hour | **No. of Occurrences:** 2

NT14 | Networks

Physical Network Infrastructure Products and Services with Panduit

Description coming soon!
Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R23 | **Duration:** 1 hour | **No. of Occurrences:** 2

PN01 | Partner Track

Revolutionize Deployment and Maintenance of OT Infrastructure | with Stratus

PlantPAx 5.0 software running on the Stratus ztC Edge makes the overall solution simpler, cost effective, reduce setup time.
• The inherent redundancy with Fault-tolerant workload protection eliminates application outages reduce downtime.
• The rugged construction and Class I Division 2 certification of the ztC Edge & VersaView6300 Thin Clients /zero clients enables the installation of the entire DCS into mission critical and hazardous environments. Better operational benefits.
• DIN Rail Mounted in the Control Cabinet takes advanced process applications to new locations. Reduce IT Burden and infrastructure management. Generating less heat- saves energy- Simplified IT infrastructure and maintenance.
• With ThinManager + Thin Clients, Solution-in-a-Box extends the DCS capabilities from traditional control room and command centers to smart mobile devices like cellphones,tablets, and laptops. Protech end point terminals.
• Improve security and better visualization.
Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R4 | **Duration:** 1 hour | **No. of Occurrences:** 2

PN02 | Partner Track

Micro800™ Controllers – Spectrum Controls Helping Rockwell Automation Extend System Solutions

Learn how the combined Micro800 Expansion and Plug-in offerings from Rockwell Automation and Spectrum Controls fulfill all of your needs as the winning solution; "Advantage Rockwell". Special focus: Machine Builders and System Integrators, check out the most cost-effective solutions available in the market.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Intermediate
Room: R4 | **Duration:** 1 hour | **No. of Occurrences:** 2

PN03 | Partner Track

Connecting HART field devices to third-party Asset Management tools over HART-IP in various Rockwell Allen-Bradley architectures | with Softing

A growing number of customers in the Process Industry are seeking to leverage the features of third-party Asset Management tools with components such as remote IOs or controllers from Rockwell Automation. Softing, with Rockwell Automation's support, has developed a web-based configuration and diagnosis software to access HART field devices connected to Allen-Bradley HART I/O. Learn how to use "smartLink Software HART" to configure, troubleshoot, and manage all your HART field devices across the entire plant from third-party Asset Management tools.

Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Intermediate
Room: R4 | **Duration:** 1 hour | **No. of Occurrences:** 2

PN04 | Partner Track

Digitalization in Capping & Screwing Processes – Linear Rotary Motors controlled by Rockwell Control over Ethernet IP | with LinMot

Closing, screwing or assembling – LinMot's Linear Rotary Motors are characterized by excellent flexibility, dynamics and speed. They combine two electromagnetic servo motors in just one slim housing and thus enable combined linear and rotary movements in the simplest way. Linear Rotary Motors from LinMot are characterized by an innovative design, that permits the digitalization of flexible capping and screwing processes. Integrated force and torque sensor permits high precision process control and quality control at the same time. Discover new potentials in Capping- / Screwing Process with Rockwell Control and LinMot Linear Rotary Motors.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Intermediate
Room: R4 | **Duration:** 1 hour | **No. of Occurrences:** 2

PN05 | Partner Track

Dream Report - User Friendly Reporting for Rockwell Automation

Dream Report is a class leader in industrial reporting software. This user-friendly and no-code reporting software allows automation engineers without requiring any programming skills to design and generate reports with professional look and content for industrial automation. Data sources include Rockwell Automation products, such as Logix controllers, FactoryTalk SCADA and Historians, as well as to virtually any 3rd party automation data sources. Automated dedicated drivers for Rockwell Automation data sources as well as integrated modules for specific industries (SPC, batch, ISA 18.2 alarms analysis, setpoint analysis, etc.) allows complex calculations via simple configuration. Integrated web portal allows access, generation and management of reports via any common browsers. This session will introduce you Dream Report software and its value for use with Rockwell Automation products and for your business.

Session Type: Discussion
Session Content Level: Intermediate
Room: R4 | **Duration:** 1 hour | **No. of Occurrences:** 2

PN06 | Partner Track

Sustainable Manufacturing: Tuning and optimization approaches to PID controlled processes and systems | with Control Station

A manufacturing facility's PIDs need to be properly tuned and their performance sustainably monitored as they are a facility's largest energy consumer. This presentation demonstrates a simple, repeatable process for tuning PID loops and methods for achieving sustainable performance gains through use of analytics. Included is a review of current control loop tuning practices and approach to optimization, how to develop a sustainable standardized approach to process modeling and tuning parameter calculation, and KPIs for continuous process optimization.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R4 | **Duration:** 1 hour | **No. of Occurrences:** 2

PN07 | Partner Track

Extend Visibility and Handling of FactoryTalk Alarms & Events with WIN-911 Alarm Notification Platform

This session will provide insights into how WIN-911 Alarm Notification Software can help extend the visibility and acknowledgments of critical alarms from your existing FactoryTalk View application. Mobile app push notifications, SMS text messaging, emails, phone calls, and plant annunciations, in conjunction with advanced escalation and call routing, ensures the right alarm is sent to the right person at the right time on the right device.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R4 | **Duration:** 1 hour | **No. of Occurrences:** 2

PR01 | Process

Overview of the PlantPAx® System - What's New & What's Next

In this session, you will hear a brief overview of the PlantPAx® Distributed Control System. You will then discover the latest release features. Each feature will be detailed in full, including the benefits of the modern DCS approach compared to traditional DCS systems.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Beginner
Room: R9 | **Duration:** 1 hour | **No. of Occurrences:** 3

PR02 | Process

Defining and Sizing PlantPAx® Systems: Best Practices and What's Coming

Proper use of the PlantPAx® System Estimator helps ensure your system is designed for optimal performance. In this session you will learn about the latest tools, capabilities and guidelines provided by Rockwell Automation to help you define and size the appropriate PlantPAx system architecture based on your project requirements. We will review the latest system and architecture rules, as tested in our characterization lab. We'll also examine capabilities offered in the PlantPAx System Estimator, including MCC integration, and advanced sizing features to help you carry out and confirm proper sizing for new systems and system expansions. You will also get a preview of upcoming features that will provide you more flexibility to define and size systems for a wider range of system requirements.

Key Topic: Operation Management
Session Type: Demonstration
Session Content Level: Intermediate
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

PR03 | Process

Implementation of PlantPAx® Systems: Best Practices and What's New

Engineering efficiency and consistent delivery are key topics for implementing any DCS successfully. Learn how to bring the Rockwell Automation® Modern DCS to the market faster using the latest capabilities and guidelines for implementing a system. This session will cover tools such as bulk-editing of library code and control strategies of common process functions. We will also cover system-wide functionality such as the integration of alarming and the ability to display information with contextual relevance.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R9 | **Duration:** 1 hour | **No. of Occurrences:** 3

PR04 | Process

Introduction to the Rockwell Automation® Library of Process Objects

The Rockwell Automation® Library of Process Objects helps you to quickly develop process solutions with rich functionality and known performance. In this session, we'll demonstrate how to build a control strategy using Library objects. We'll present the Library objects and their functions within a typical control system, highlighting features for operators, maintainers and engineers. Walk away understanding the value of using the Library to develop process solutions.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Beginner
Room: R9 | **Duration:** 1 hour | **No. of Occurrences:** 1

PR05 | Process

Advanced Functionality and New Features of the Rockwell Automation® Library of Process Objects

In this session you will learn what's new in the latest release of the Rockwell Automation® Library of Process Objects. We'll demonstrate new features and advanced capabilities of the Library, as well as tools that simplify and automate migration from previous Library releases.

Key Topic: Operation Management
Session Type: Demonstration
Session Content Level: Intermediate
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

PR06 | Process

PlantPAx® System ID: Simplify Management of your Asset's Lifecycle

Do you know when your assets are near the end of life? When you need to patch them? Do you even know what assets, versions, series and software are in your plant? Keeping your system current has never been more important, but the scale of that task continues to grow in size and complexity. This session illustrates how your systems ID can help you manage your assets, and best of all, it's included as a service with the purchase of your PlantPAx® 5.0 system.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Beginner
Room: R9 | **Duration:** 1 hour | **No. of Occurrences:** 3

PR07 | Process

Using the PlantPAx® Ecosystem for your Digital Transformation Journey

Digital transformation is a journey toward operational efficiencies and their associated outcomes – lower costs, greater productivity, improved quality, less downtime, etc. PlantPAx® is at the heart of your operation and enables an ecosystem that can help with products, solutions, planning and execution of your transformation. Learn how to leverage PlantPAx to help accelerate your digital journey and to unlock greater production potential within your operations.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Intermediate
Room: R9 | **Duration:** 1 hour | **No. of Occurrences:** 3

PR08 | Process

Securely Connecting Process Operations to the IT World

Integrating your PlantPAx® systems with your enterprise enables better visibility and collaboration that can help improve your bottom line. In this session you will learn best practices to make this integration happen, including standard reference architectures, and the latest in security and application guidelines. Discover how these capabilities align with the Connected Enterprise, and the implications of establishing an Enterprise data infrastructure and/or cloud-based application.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Advanced
Room: R9 | **Duration:** 1 hour | **No. of Occurrences:** 3

PR10 | Process

Following the ISA-18.2 Lifecycle to Improved Alarm System Performance

Following the ISA-18.2 Alarm Management Lifecycle is a path to improved alarm system performance. Proper alarm management will minimize nuisance alarms, alarm overload, alarm floods, and will ensure alarms are prioritized to indicate importance. This session will highlight key considerations for PlantPAx® users when designing and implementing an effective alarm management program. While reviewing each portion of the lifecycle, users will be presented with guidance and demonstrations on how to leverage PlantPAx® alarm system features as well as exida's SILAlarm tool. Topics that will be addressed include using alarm rationalization results to present alarm response procedures to the operator, alarm suppression, alarm shelving, and flood reduction.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Intermediate
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

PR11 | Process

Batch Management: Overview and What's New and What's Next

The Rockwell Automation® modern batch solution leads to new productivity gains through ground-breaking new products. This session explores the features and capabilities of the latest release of FactoryTalk® Batch. It also provides an overview of new offerings, such as controller-based sequencing with the SequenceManager™ solution and new mobility capabilities. The session will also provide a preview of upcoming features and capabilities of the Rockwell Automation portfolio of batch and sequencing products.

Key Topic: Operation Management
Session Type: Discussion
Session Content Level: Beginner
Room: R9 | **Duration:** 1 hour | **No. of Occurrences:** 3

PR12 | Process

Implementing Digital Transformation with PlantPAx®: Hands-on Lab

Digitally transform your PlantPAx® systems with increased connectivity and improved insights. This lab will walk you through built-in features of PlantPAx® that enable SQL reporting, dynamic dashboards and augmented reality. Gain experience on how to bring to life historical data with feature-rich dashboards and see how to implement actionable faults and analytics with augmented reality.

Key Topic: Operation Management
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: R14 | **Duration:** 2 hours | **No. of Occurrences:** 4

PR13 | Process

System Implementation – FactoryTalk® Batch v15: Applications Development Hands-on Lab

This hands-on lab illustrates the new features of the latest version of FactoryTalk® Batch. Discover new workflows and tools to gain better control over batching applications that improve yield, efficiencies and reporting.

Key Topic: Operation Management
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: R14 | **Duration:** 2 hours | **No. of Occurrences:** 4

PR14 | Process

PlantPAx® V5.0: Process Application Development

PlantPAx® 5.0 application design lab explores the new workflows required to operate process control applications, using modern technologies provided by the new Process Controllers in the PlantPAx 5.0 release.

Key Topic: Operation Management
Session Type: Hands-on Lab
Session Content Level: Intermediate
Room: R14 | **Duration:** 2 hours | **No. of Occurrences:** 5

SS01 | Safety & Security

Developing Advanced Safety Applications Using the Allen-Bradley® GuardLogix® Integrated Safety Controller Platform

In this lab, you'll learn how to use Allen-Bradley® Integrated Safety Systems to support advanced level safety functions, including Safe Limited Speed, using a single controller and programming environment for safety, discrete, motion, and drive functions, and with secure, seamless connectivity to plant-wide information systems.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Intermediate
Room: G1 | **Duration:** 2 hours | **No. of Occurrences:** 7

SS02 | Safety & Security

Functional Safety Standards and the Changing Compliance Landscape

This session will introduce you to the proposed Machinery Safety Regulations and will review the two primary functional safety standards that support the Regulation, both of which have recently been revised (IEC 62061: 2021 and ISO 13849-1: 2022).

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R5 | **Duration:** 1 hour | **No. of Occurrences:** 3

SS03 | Safety & Security

What is new in Safety? – Guardlink®

This session will provide an overview on the safety linking technology Guardlink®, new products added to the portfolio, and configuration tools to simplify the development of a safety solution.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Intermediate
Room: R5 | **Duration:** 1 hour | **No. of Occurrences:** 3

SS04 | Safety & Security

Upgrade your Motion System to Advanced Safety Motion Functions with the 843ES Safety Encoder

This session will provide a step by step demonstration on how to integrate the 843ES Safety Encoder in your motion system in order to perform advanced safety motions functions.

Key Topic: Intelligent Device
Session Type: Demonstration
Session Content Level: Intermediate
Room: H1 | **Duration:** 1 hour | **No. of Occurrences:** 3

SS05 | Safety & Security

Smart Safety Systems: Reducing Costs, Downtime, and Injuries

Intelligent devices help improve insight into machinery operation and worker behaviors, while providing feedback on system operation to reduce downtime. In this lab, you'll learn programming of safety devices, design requirements for integrating additional CIP safety enabled devices, and the impact on the safety integrity of the system.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Intermediate
Room: R17+R18 | **Duration:** 2 hours | **No. of Occurrences:** 3

SS06 | Safety & Security

Cybersecurity – Why? And Where do I Start?

Securing the Connected Enterprise requires a holistic defense-in-depth approach. This discussion will address various system level scenarios with consideration to the attack continuum: prevent, detect, and respond. Attendees will better understand how to best utilize the breadth of solutions offered by Rockwell Automation and our partners. In addition, learn about developing standards and regulations around security and the approach Rockwell Automation uses to build security into our products.

Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R5 | **Duration:** 1 hour | **No. of Occurrences:** 3

SS07 | Safety & Security

Deploy Secure Network Architectures for the Connected Enterprise

Protecting industrial control and automation system (IACS) assets requires a holistic defense-in-depth security approach that addresses internal and external security threats. This discussion reviews the security design and implementation considerations within the Cisco and Rockwell Automation® CPwE reference architectures. Learn about the architectural security framework, identity services, IDMZ, Stratix® 5950 and Cisco Adaptive Security Appliance (ASA) firewall solutions to help you improve the availability, integrity and confidentiality of your network architecture. Prior attendance of the Building Converged Plantwide Ethernet Architectures session is recommended.

Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Intermediate
Room: R5 | **Duration:** 1 hour | **No. of Occurrences:** 3

SS08 | Safety & Security
Improving Control System Defense-in-Depth Security with CIP Security

Control system security is traditionally addressed by defense-in-depth architecture, with multiple layers of security. As threat actors have become more sophisticated, CIP-connected devices must be able to defend themselves. This session explains how CIP Security helps enables devices to protect themselves from malicious attacks by focusing on authenticity, integrity and confidentiality.

Session 1 of 2 providing an overview of CIP Security.

Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R5 | **Duration:** 1 hour | **No. of Occurrences:** 3

SS09 | Safety & Security
CIP Security Improves Control System Defense-in-Depth Security

Control system security is traditionally addressed by defense-in-depth architecture, with multiple layers of security. As threat actors have become more sophisticated, CIP-connected devices must be able to defend themselves. This lab provides hands-on examples of how CIP Security helps enable devices to protect themselves from malicious attacks by focusing on authenticity, integrity and confidentiality.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: F1 | **Duration:** 2 hours | **No. of Occurrences:** 3

SS10 | Safety & Security
CIP Security: Experience the Effect of Security on your Control System

Join us in watching demonstrations on how Rockwell Automation utilizes CIP Security, modern software tooling, and innovative hardware solutions to bring device security to your control system. This demonstration and discussion session is intended for OT and IT personnel interested in practical aspects of control system security policy management. Introducing security to the plant floor can be perceived as difficult and disruptive; this session will highlight actual processes used, migration steps, and the benefits of beginning this journey. NOTE: This is Part 2 of CIP Security, and attendance at, or previous viewing of CIP Security: Improve Your Control System Defense-in-Depth Security, is highly recommended.

Session 2 of 2 providing an overview of CIP Security.

Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Advanced
Room: J1 | **Duration:** 1 hour | **No. of Occurrences:** 3

SS11 | Safety & Security
Introduction to the Design and Implementation of FactoryTalk® Security in a Control System

Learn how to design and build a FactoryTalk® Security infrastructure to secure and manage access and resources in your control system. In this lab you will learn how to: configure FactoryTalk® Security for the first time after a default installation; configure users and groups, system policies and secured actions in the FactoryTalk® Administration Console to manage access control and permissions, and to have an opportunity to apply basic security restrictions to Studio 5000® Logix Designer® projects. Topics include an introduction to FactoryTalk® Directory, user/group management, setting security policies in the FactoryTalk® Directory, and understanding single sign-on.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: F2 | **Duration:** 2 hours | **No. of Occurrences:** 2

SS12 | Safety & Security
Advanced Design, Management, and Implementation of FactoryTalk® Security in a Control System

In this lab you will take an existing FactoryTalk® Security configuration and extend that functionality to implement new roles and responsibilities within distributed FactoryTalk solutions. We will pick common security scenarios, explore solutions and make decisions on how to proceed, to protect the distributed control system and intellectual property contained in Studio 5000® Logix Designer®, and FactoryTalk View. Topics include multiple methods for securing Studio 5000 Logix Designer® projects and content, Guest Access, Temporary User Access and Privilege Escalation, and FactoryTalk View SE Runtime Security.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: F2 | **Duration:** 2 hours | **No. of Occurrences:** 2

SY01 | System
Independent Cart Technology Solutions: What's New and What's Next

Independent Cart Technology (ICT) is up-ending traditional motion control paradigms and Rockwell Automation is leading the industry with this new breed of motion control systems. Learn what's new in ICT, and how these solutions will be cornerstones of the factory of the future, allowing unprecedented flexibility and speed on machines, without increasing machine size.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R22 | **Duration:** 1 hour | **No. of Occurrences:** 4

SY02 | System
MagneMotion® Independent Cart Technology: Hands-on Experience

This session will go beyond the value of independent cart technology and offer a chance for a self-guided demonstration and programming of a MagneMover® Lite in the Studio 5000® environment.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: F3 | **Duration:** 2 hours | **No. of Occurrences:** 7

SY03 | System
ThinManager®: Solving Today's Manufacturing Challenges

Budget constraints, workforce reduction, technology evolution, and security threats are all real challenges the manufacturing industry faces today. From reducing ownership costs and maximizing workforce productivity to mitigating security risk, learn how a ThinManager solution revolutionizes your plant floor visualization and achieves your business goals while solving these real industry challenges.

Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Intermediate
Room: J1 | **Duration:** 1 hour | **No. of Occurrences:** 2

SY04 | System
ThinManager®: Engineered for Results

This hands-on lab is a guided tour of ThinManager®, through which you can learn how to solve some of the most common manufacturing challenges. You will explore how ThinManager reduces the total cost of ownership, enables a productive workforce, reduces unexpected downtime, and secures the plant floor. This partially pre-configured lab allows for maximum exposure to the wide variety of functionality ThinManager offers, to maximize your operation's productivity and security.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: G4 | **Duration:** 2 hours | **No. of Occurrences:** 4

SY05 | System
ThinManager®: Securing the Connected Enterprise

Learn how to secure your enterprise with the security features built into ThinManager®. Through a brief presentation and lab, we'll show you how to prevent unauthorized devices from connecting to your ThinManager system, secure the administration of a ThinManager server, and deliver content to authorized users and locations. You'll also learn how to use layered security in ThinManager to curtail prohibited keyboard input, control which peripherals connect to your devices, and encrypt your ThinManager server configuration.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: G4 | **Duration:** 2 hours | **No. of Occurrences:** 4

SY06 | System
Communications Using FactoryTalk® Linx, OPC UA and KEPServer Enterprise: New Capability Overview and Demonstration

This is a combined presentation and instructor-led demonstration of FactoryTalk® Linx, OPC connectivity and KEPServer Enterprise software, to provide visualization and information software access to Logix 5000™ controllers and other control devices. Topics covered include an overview of the connectivity software portfolio, methods to securely access various types of control system information, and OPC UA communications.

Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Intermediate
Room: R22 | **Duration:** 1 hour | **No. of Occurrences:** 3

SY07 | System
Using FactoryTalk® Linx, OPC UA and KEPServer Enterprise Comms with FactoryTalk® and 3rd Party Software

This talk is a brief introduction to new capabilities, combined with a hands-on lab, working directly with FactoryTalk® Linx and KEPServer Enterprise software, to access various forms of control system data. Experience new capabilities to increase your productivity, secure access, enhance systems availability and work with OPC UA interfaces.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Intermediate
Room: F2 | **Duration:** 2 hours | **No. of Occurrences:** 2

SY08 | System

Advanced Network Safety Solutions Using Kinetix® and PowerFlex® Drives

This session will present the advanced network safety solutions on Kinetix® 5700 Servo Drives and PowerFlex® 755 AC Drives. Safety functions such as safe position, safe limited speed, and safe operating stop will be demonstrated.

Key Topic: Intelligent Device
Session Type: Demonstration
Session Content Level: Intermediate
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

SY09 | System

Virtual Application Development for iTRAK® 5730 Systems

The iTRAK® 5730 introduces a new, flexible way of handling production in many industries. This session shows you how to develop an application, without having the physical iTRAK® 5730 system, using the iTRAK® 5730 Libraries together with Application Code Manager. This powerful set of tools will provide automatic controller code generation, visualization objects and other features that will help you solve problems even before you start commissioning your system.

Key Topic: Intelligent Device
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: F3 | **Duration:** 2 hours | **No. of Occurrences:** 4

SY11 | System

Robotics: What's New and What's Next

Integrated Robots improve deployments and create smarter machines. Join this session and learn about our Advanced Robotics Application Framework and Digital Integration, how to solve Lifecycle challenges, and the transformative effects of integrating robotics into your manufacturing.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Intermediate
Room: R22 | **Duration:** 1 hour | **No. of Occurrences:** 2

SY12 | System

Comau and Rockwell Automation together for Unified Robot Control

In this presentation you will get an overview about robot application and how the Unified Robot Control offers industrial customers easier, smarter, and more productive ways to design, deploy, and manage robot application. We will present the solution value and the target applications. The partnership is a collaborative development and selling model that offers the unified robot control solution to both companies' customers.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R24 | **Duration:** 1 hour | **No. of Occurrences:** 2

SY13 | System

Joint Rockell Automation and Fanuc Architecture: Realizing the customer need for an integrated solution

In this presentation you will get an overview about how the joint Rockwell Automation and FANUC Architecture and Emulate3D enhance connectivity to smart devices, controllers, machines and production lines as a whole to improve productivity and enable The Connected Enterprise. Our Technology Partnership enables simplified integration reducing system engineering time and improving quality and usability of KPI data for better decision and improved performance.

Key Topic: Intelligent Device
Session Type: Discussion
Session Content Level: Beginner
Room: R25 | **Duration:** 1 hour | **No. of Occurrences:** 2

VZ01 | Vizualisation & Collaboration

Visualization: What's New and What's Next

Discover the newly released products and features in visualization software and hardware and see what's planned for the upcoming year. This session will show how new capabilities enable scalable solutions, efficient application design, access to real-time information, and improve operator effectiveness.

Key Topic: Control & Communication
Session Type: Discussion
Session Content Level: Beginner
Room: R21 | **Duration:** 1 hour | **No. of Occurrences:** 4

VZ02 | Vizualisation & Collaboration

How to Improve Plant Operations through Better HMI Graphics

Plant operators make decisions, every day, which can directly influence profitability. In this session, we'll equip you with the methods and ANSI/ISA-101 concepts you need to create meaningful content. Learn how to present the right type, and amount, of visual detail, to improve operational efficiency and promote better decision making.

Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Intermediate
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

VZ03 | Vizualisation & Collaboration

Designing Machine-level HMI with PanelView™ 5000 and Studio 5000 View Designer®: Basic Lab

This hands-on lab illustrates the new features of the latest Learn how easy it is to create, download and run a PanelView™ 5000 graphic terminal project using Studio 5000® View Designer® software. This introductory lab covers tasks such as setting up a project, creating screens, animating graphic elements, setting up navigation, setting up basic security, taking advantage of pre-defined project content, testing a project and downloading to a terminal.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: R17+R18 | **Duration:** 2 hours | **No. of Occurrences:** 5

VZ04 | Vizualisation & Collaboration

Designing Machine-level HMI with PanelView™ 5000 and Studio 5000 View Designer®: Advanced Lab

Learn how to take advantage of the more powerful, advanced capabilities of the PanelView™ 5000 terminals and Studio 5000® View Designer® software. Topics you'll explore include: creating add-on graphics, using custom press/release actions, customizing pre-defined project content, using advanced features of state tables, configuring custom element-based security, and showing content in multiple languages. You will also learn about recent new features, such as data logging and historical trending, remote access with VNC, and viewing PDF documents.

Suggested prerequisite: VZ03 - Designing Machine-level HMI with PanelView™ 5000 and Studio 5000 View Designer®: Basic Lab

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Advanced
Room: R17+R18 | **Duration:** 2 hours | **No. of Occurrences:** 5

VZ05 | Vizualisation & Collaboration

Distributed HMI with FactoryTalk® View Site Edition: Basic Lab

If you are new to FactoryTalk® View Site Edition, or just need a refresher on the basics, this hands-on lab allows you to learn about the basic capabilities and features of the FactoryTalk® View Site Edition application. Topics include creating an application, working with displays, working with tags, testing and running the application, applying graphic animations and creating trends.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Beginner
Room: F3 | **Duration:** 2 hours | **No. of Occurrences:** 2

VZ06 | Vizualisation & Collaboration

FactoryTalk® View SE: Dashboarding at the Edge

Visualizing data in the right way is crucial in today's HMI's. In this session, we will demonstrate how to create and include advanced custom dashboards and visualization objects like gauges, bars and radar charts etc. into a FactoryTalk View SE Application. See how to use and configure different types of objects and how to display them to the operators to improve operational efficiency.

Key Topic: Control & Communication
Session Type: Demonstration
Session Content Level: Advanced
Room: H2 | **Duration:** 1 hour | **No. of Occurrences:** 2

VZ07 | Vizualisation & Collaboration

What's New in FactoryTalk® View Site Edition Hands-on Lab

This lab is for all levels of FactoryTalk® View Site Edition users and covers the new and enhanced features of our latest releases. Topics include TrendPro, RecipePro+, Logix extended tag properties, alarming enhancements, graphics and animation, and mobility enhancements.

Key Topic: Control & Communication
Session Type: Hands-on Lab
Session Content Level: Intermediate
Room: J2 | **Duration:** 2 hours | **No. of Occurrences:** 3

For more information please visit the **ROKLive EMEA**
event webpage: **rok.auto/roklive-emea**

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