



KROHNE

▶ measure the facts

Unleashing Digital transformation

A workshop on integrating the field level
in the process industries

Workshop 13 & 14 May 2025



**Polzer
Automation
Solutions**

Your Path to Digitalization

Increase efficiency and performance of a plant!

Struggling with disconnected systems? Facing challenges in integrating field devices with higher-level automation?

Join KROHNE and Polzer Automation Solutions on **May 13 & 14** for a hands-on workshop designed for technicians, instrumentation specialists, and project engineers in process industries. Learn how to seamlessly integrate sensors and transmitters into Control Strategies, Asset Management Systems, and even IIoT platforms—unlocking new levels of efficiency, reliability, and performance.

This vendor-independent workshop is not just technical training. It provides practical guidance, real-world use cases, and insights into the latest trends shaping the industry. You'll gain actionable knowledge to overcome common hurdles, such as:

- ✓ “How do I connect my legacy devices to modern digital platforms?”
- ✓ “What are the most efficient ways to implement industrial communication protocols?”
- ✓ “How can I ensure cybersecurity while enabling remote diagnostics?”
- ✓ “What are the benefits of Ethernet-APL for my plant operations?”
- ✓ “How does NOA (NAMUR Open Architecture) help unlock hidden potential in my process data?”

Workshop Highlights

- **The impact of Digital Transformation** – How it reshapes businesses and operations
- ! **Cybersecurity** – Regulations and their implications for process industries
- **Industrial communication essentials** – 4...20 mA with HART, Wireless HART, HART-IP, PROFIBUS, PROFINET, Ethernet/IP, MODBUS
- **Device integration with FDI** – Simplifying compatibility and enabling future-ready solutions
- **NAMUR Open Architecture (NOA) and PA-DIM** – Secure, structured data access for better decision-making
- **Ethernet-APL** – Bringing Ethernet to the field level for next-gen process automation
- **PIA-Link®** – Remote commissioning, verification, and diagnostics made easy

Price of the 2 days-workshop: €950 VAT excl.
Registration is only valid upon receiving inscription fee!

Register now: krohne.link/academy-digital-transformation-be as seats are limited!

We look forward to seeing you there!

Tuesday May 13th 2025

08:30 – 08:45 h	Welcome + Introduction
08:45 – 09:00 h	Agenda
09:00 – 09:30 h	Digital transformation effects your business
Lesson 1	Digitization vs Digitalization vs Digital Transformation - Quo vadis?
09:30 – 09:45 h	Discussion on previous lesson - Q&A / break
09:45 – 10:30 h	Security - An overview on important directives and regulations and what does it mean for companies
Lesson 2	• NIS2, IEC27000, IEC62443, EU Resilience Act
Part 1	
10:30 – 11:00 h	Coffee break
11:00 – 12:00 h	Security - An overview on important directives and regulations and what does it mean for companies
Lesson 2	• NIS2, IEC27000, IEC62443, EU Resilience Act
Part 2	
12:00 – 12:15 h	Discussion on previous lesson - Q&A / break
12:15 – 13:15 h	Lunch
13:15 – 15:00 h	Basics on Local and World-wide Communication Networks
Lesson 3	• OSI 7 Layer model
Part 1	• Local Area Networks
	• Switching - Routing - VLANs
	• Ports and World Wide Web
	• Industrial Wireless LAN
	• Security - VPN - Firewalls: Availability and Redundancy
15:00 – 15:30 h	Coffee break
15:30 – 16:50 h	Basics on Local and World-wide Communication Networks
Lesson 3	• OSI 7 Layer model
Part 2	• Local Area Networks
	• Switching - Routing - VLANs
	• Ports and World Wide Web
	• Industrial Wireless LAN
	• Security - VPN - Firewalls: Availability and Redundancy
16:50 – 17:20 h	Discussion on previous lesson - Q&A / break
17:20 – 18:00 h	Industrial Communication in Process Industries and Use Cases
Lesson 4	• HART & Wireless HART
	• HART-IP
	• PROFIBUS-DP
	• PROFIBUS-PA
	• PROFINET
	• MODBUS
	• Ethernet/IP
18:00 h	End of day 1



Wednesday May 14th 2025

08:30 – 08:45 h	Q&A previous day
08:45 – 10:30 h	Industrial Communication in Process Industries and Use Cases
Lesson 4	<ul style="list-style-type: none">• HART
Part 2	<ul style="list-style-type: none">• Wireless HART• HART-IP• PROFIBUS-DP• PROFIBUS-PA• PROFINET• MODBUS• Ethernet/IP
10:30 – 10:50 h	Coffee break
10:50 – 11:30 h	Industrial Communication in Process Industries and Use Cases
Lesson 4	<ul style="list-style-type: none">• See above
Part 3	
11:30 – 11:50 h	Discussion on previous lesson - Q&A / break
11:50 – 12:20 h	Field Device Integration
Lesson 5	<ul style="list-style-type: none">• EDDL• FDT• FDI
12:20 – 12:35 h	Discussion on previous lesson - Q&A / break
12:35 – 13:35 h	Lunch
13:35 – 14:25 h	<ul style="list-style-type: none">• Namur Open Architecture (NOA) and PA-DIM
Lesson 6	<ul style="list-style-type: none">• Motivation• How it works• Architecture
14:25 – 14:40 h	Discussion on previous lesson - Q&A / break
14:40 – 15:25 h	Ethernet APL
Lesson 7	<ul style="list-style-type: none">• Motivation• How it works• Architecture
15:25 – 15:40 h	Discussion on previous lesson - Q&A / break
15:40 – 16:00 h	Coffee break
16:00 – 16:30 h	PIA-Link®
Lesson 8	World wide commissioning & verification of transmitters
16:30 – 16:40 h	Discussion on previous lesson - Q&A / break
16:40 – 17:30 h	Participants' projects, summary & feedback
	Participants are encouraged to present own projects to discuss (concerning topics of last two days).
17:30	End of day 2

Speaker

Kurt Polzer - Polzer Automation Solutions

Kurt studied Mathematics at KIT and gained expertise in software development, product management, and business development at Siemens. He worked in areas like process instrumentation, process control systems, SCADA systems and communication. As a product owner, he developed SIMATIC PDM (Process Device Manager) and a web server for remote measurements. Kurt also conducted technical workshops for the process control system from Siemens and designed and built demo systems for fairs.

He represented Siemens in various working groups (VDI/VDI GMA, PROFIBUS International and the HART Communication Foundation) and became a Siemens Certified Professional for Industrial Networks.

After retiring, he founded Polzer Automation Solutions. He built demo systems for FieldComm Group to present most of their technologies, like HART, HART-IP, WirelessHART, FDI and PA-DIM including design, commissioning and use cases. For Ethernet-APL he built a second system and integrated Process Control Systems, Power and Field Switches and Ethernet-APL field instruments from leading suppliers in the process industries, ProfiNet, Ethernet/IP, HART-IP and OPC-UA. Both systems have been presented at the AICHEMA 2022.

Kurt developed a training on digital transformation for sales people, product managers, engineers and other interested parties in the Process Industries. The training focuses on the basics of local and global communication, industrial communication protocols and integration from the field level to higher systems and even to the cloud. Kurt has been a PECB certified NIS 2 Directive Lead Implementer since January 2025.

Organiser

KROHNE

KROHNE is a global leader in the development and production of innovative and reliable measurement technology, offering measurement solutions for all conceivable industries. KROHNE is your partner for flow, level, pressure, analysis and temperature measurement instrumentation.

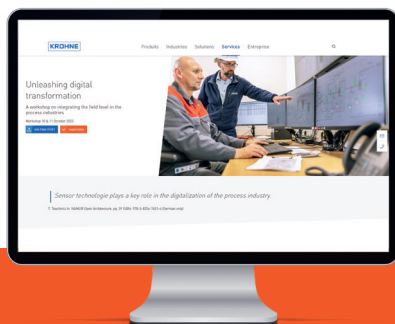
www.krohne.be

Event location



Mechelen

UGC Cinema
Spuibeekstraat 5
2800 Mechelen



Register here :
krohne.link/academy-digital-transformation-be

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