

Bosch Rexroth



Training Catalog

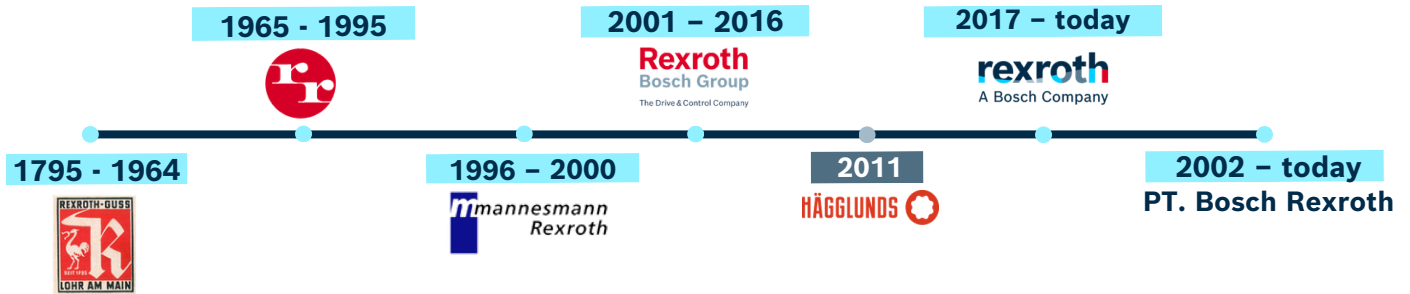
Experience the knowledge offered by industry experts.

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Our competence for industry.

For generations,



Bosch Rexroth has been at the forefront of **Drive and Control** technology, shaping how machines move, perform, and evolve. Our expertise is built on a long legacy of engineering innovation, refined through real-world applications across industries, environments, and challenges.

From hydraulic systems to electrification and automation, our solutions are grounded in deep technical mastery and continuous advancement. This heritage allows us to not only understand technology, but to anticipate where it is going.



Experience that goes beyond theory.

Training at Bosch Rexroth is about taking control of your machines. Learn directly from the experts behind Drive and Control solutions, and gain the skills to understand, optimize, and independently manage your own systems with confidence.

Get started with training courses from Bosch Rexroth.

MAR

APR

Week 1 Next-Gen IOT & PLC Automation:
From Control to Connectivity

MAY

JUN

Week 1 Basic Hydraulics:
Master Your Own Machines

Week 1 Next-Gen IOT & PLC Automation:
From Control to Connectivity

JUL

AUG

Week 1 Basic Hydraulics:
Master Your Own Machines

Week 1 Next-Gen IOT & PLC Automation:
From Control to Connectivity

SEP

OCT

Week 1 Basic Hydraulics:
Master Your Own Machines

Week 1 Next-Gen IOT & PLC Automation:
From Control to Connectivity

NOV

DEC

Week 1 Basic Hydraulics:
Master Your Own Machines

Week 1 Next-Gen IOT & PLC Automation:
From Control to Connectivity

The first week of the month is defined as the first full week occurring within that month.

Training Fees

Training	Price (IDR)	Remarks
Basic Hydraulics: Master Your Own Machines	starting from 50,520,000	<ul style="list-style-type: none"> • 8 participants per training • Hands-on training • Pre-test and post-test • Certificate for each • Lunch and coffee break • Merchandise
Mechatronics (mMS 4.0®): Power Your Automation	starting from 50,520,000	<ul style="list-style-type: none"> • 8 participants per training • Hands-on training • Certificate for each • Lunch and coffee break • Merchandise
SP Pump/A4CSG: From Principle to Practice	starting from 36,660,000	<ul style="list-style-type: none"> • 8 participants per training • Hands-on training • Certificate for each • Lunch and coffee break • Merchandise
Spider Control System: Intelligence in Motion	starting from 36,660,000	<ul style="list-style-type: none"> • 8 participants per training • Hands-on training • Certificate for each • Lunch and coffee break • Merchandise
Next-Gen IOT & PLC Automation: From Control to Connectivity	FREE	<ul style="list-style-type: none"> • 12 participants per training • Hands-on training • Certificate for each • Lunch and coffee break • Merchandise
ctrlX AUTOMATION Experience: Master Architect	starting from 36,660,000	<ul style="list-style-type: none"> • 8 participants per training • Hands-on training • Certificate for each • Lunch and coffee break • Merchandise
Drive Performance: Master Variable Speed Drive	TBA	<ul style="list-style-type: none"> • Available upon request • Hands-on training • Certificate for each • Lunch and coffee break • Merchandise
Custom Training	TBA	<i>Depend on training</i>

Prices are subject to change. Please contact your sales representative for confirmation.

Basic Hydraulics: Master Your Own Machines

Learn the fundamentals that power connected hydraulics.

This training is built around real machine applications, enabling participants to fully understand how their hydraulic systems work, respond, and perform. By translating hydraulic concepts into machine-level insight, the program equips teams to take control of operations and reduce dependency.

Learning contents:

Day 1 – Power, Pressure & Motion Control

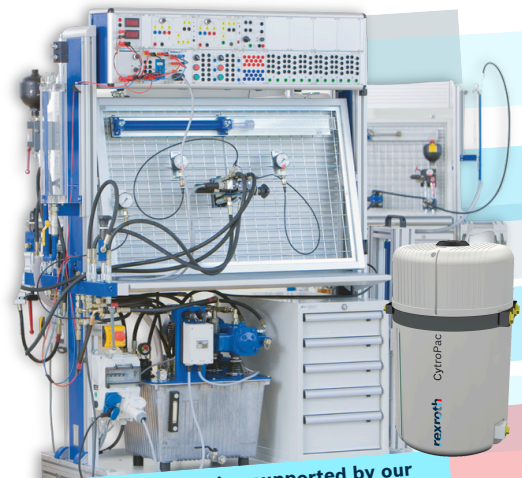
Master the core of hydraulic systems, from power unit configuration and pump characteristics to cylinder behavior, safety, and lifting applications found in real industrial machines.

Day 2 – Valve Technology for Machine Control

Gain hands-on insight into directional, flow, and pressure control valves to manage speed, force, and safety in production equipment, conveyors, tooling systems, and pressing operations.

Day 3 – Performance Optimization & System Reliability

Learn advanced circuits, energy storage, commissioning, troubleshooting, and maintenance best practices—ensuring hydraulic systems run efficiently, safely, and reliably in the field.



Hands-on learning supported by our
Didactic and CytroPac.

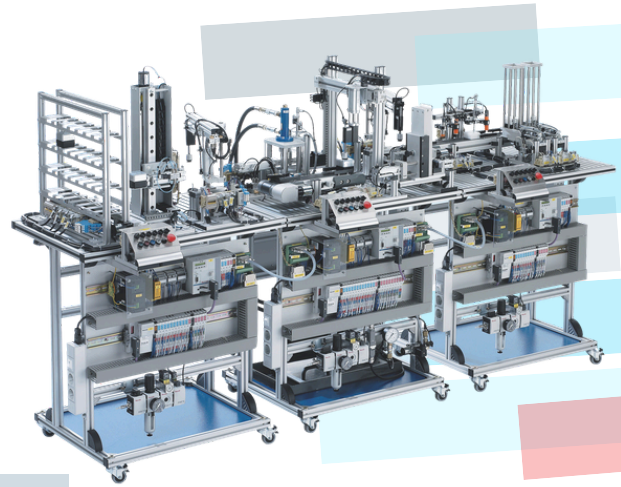
By the end of the
training, participants
will be able to:

- Apply hydraulic principles directly to machine and system operations.
- Select and understand hydraulic components for industrial applications.
- Improve machine performance, safety, and operational reliability.
- Support commissioning, fault analysis, and preventive maintenance.

Mechatronics (mMS 4.0©): Power Your Automation

Smart systems. Connected automation. Real applications.

This program combines hands-on system configuration, PLC programming, connectivity, and digital integration, enabling participants to commission, operate, and optimize smart mechatronic systems.



Learning contents:

Day 1 – Mechatronic System Architecture & PLC Control

Get a solid foundation in the Modular Mechatronic System (mMS 4.0©), including system components, installation, safety circuits, and commissioning. Participants will develop PLC programs, configure drives, and control automated processes such as tank filling.

Day 2 – Connectivity, HMI & Smart Add-On Integration

Expand system capabilities by integrating RFID, HMI, tablets, and wireless connectivity. Learn how to build, commission, and program smart stations using Win Studio©, diagnostic tools, and AR-based applications for enhanced system monitoring and operation.

Day 3 – Industry 4.0 Integration & Open Core Engineering

Explore Open Core Engineering, data exchange, and digital control using MLPI, HTML5 Web Connector©, and Excel-based order management. Hands-on exercises cover smart sensorics, energy monitoring, IO-Link integration, and automated communication via SMS and email.

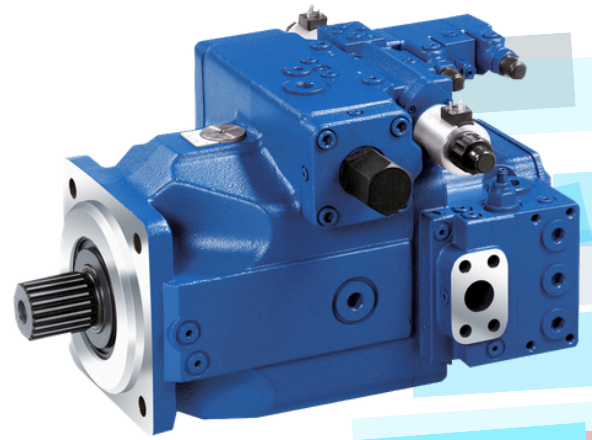
By the end of the training, participants will be able to:

- Commission and operate the mMS 4.0© mechatronic system confidently.
- Develop and modify PLC programs for automated production processes.
- Integrate HMI, RFID, wireless, and smart devices into mechatronic systems.
- Apply Industry 4.0 concepts such as connectivity, data exchange, and monitoring.
- Support smart factory initiatives with practical, system-level knowledge.

SP Pump/A4CSG: From Principle to Practice

Built on fundamentals. Applied in the field.

SP Pump/A4CSG Training designed to equip professionals with practical knowledge to install, commission, and maintain Bosch Rexroth axial piston variable pump systems.



Hands-on training with
SP Pump/A4CSG.

Learning contents:

Day 1 – Product Knowledge & System Function

Understand SP Pump and A4CSG architecture, data sheets, operating principles, and application characteristics. Learn correct installation procedures and key considerations for reliable system commissioning.

Day 2 – Commissioning, Maintenance & Reliability

Focus on commissioning steps, operational checks, and preventive maintenance practices. Participants will learn how to identify common issues, support troubleshooting, and extend pump service life in industrial applications.

**By the end of the
training, participants
will be able to:**

- Understand SP Pump/A4CSG functions and technical specifications.
- Perform correct installation and commissioning procedures.
- Apply maintenance best practices to ensure system reliability.
- Identify early signs of wear or performance issues.
- Support efficient and safe operation of hydraulic pump systems.

Spider Control System: Intelligence in Motion

From system configuration to real-world application,
Spider Control made simple.

Spider Control System Training designed to equip professionals with practical skills to configure, commission, and operate Bosch Rexroth Spider Control systems.

Learning contents:

Day 1 – System Understanding & Configuration

Learn Spider Control architecture, data sheets, and functional principles. Participants will explore system parameters, configuration methods, and preparation steps required for reliable installation and commissioning.

Day 2 – Installation, Commissioning & Hands-On Practice

Apply knowledge through hands-on training using the Spider Box. Participants will perform installation, parameter tuning, functional testing, and commissioning based on real application scenarios.



Experience hands-on Spider Control operation.

By the end of the training, participants will be able to:

- Understand Spider Control functions and system architecture.
- Set and adjust parameters according to application requirements.
- Perform installation and commissioning confidently.
- Troubleshoot basic system issues during setup and operation.
- Apply Spider Control effectively in real machine environments.



Spider Control applied within HÄGGLUNDS drive system environments.

Next-Gen IOT & PLC Automation: From Control to Connectivity

Your chance to power the future of automation.

This training introduces professionals to Bosch Rexroth's ctrlX AUTOMATION. Participants will gain practical knowledge of ctrlX CORE, ctrlX PLC engineering, and ctrlX IoT integration to design automation solutions.

Learning contents:

From Open Automation to Connected Applications

Participants will learn project configuration, I/O and fieldbus integration, programming, simulation, and motion control fundamentals, while also exploring IoT connectivity through open standards such as OPC UA, MQTT, and REST. The training covers edge computing, cloud integration, and data visualization concepts—enabling professionals to design scalable, connected, and future-ready machine applications.



By the end of the training, participants will be able to:

- Understand the architecture and ecosystem of ctrlX AUTOMATION.
- Configure and commission ctrlX CORE systems.
- Develop and deploy PLC applications using ctrlX WORKS.
- Integrate field devices and communication protocols.
- Implement basic IoT connectivity and data exchange.



ctrlX CORE:
the heart of open, scalable automation.

ctrlX AUTOMATION Experience: Master Architect

Two steps ahead with next-generation automation.

ctrlX AUTOMATION Experience Training designed to introduce professionals to Bosch Rexroth's next-generation automation platform. This program combines core ctrlX and ctrlX PLC fundamentals with IoT integration and customized training.

Learn more about ctrlX AUTOMATION on <https://www.boschrexroth.com/en/id/products/industrial-solutions/electric-drives-and-controls/>

Learning contents:

Day 1 – ctrlX AUTOMATION & ctrlX PLC Fundamentals

Get introduced to the ctrlX ecosystem, system architecture, and ctrlX PLC functionality. Learn how open automation principles simplify programming, integration, and machine control.

Day 2 – ctrlX IoT & Customer-Based Applications

Explore ctrlX IoT capabilities and connectivity options. The session includes customized training based on the customer's system, focusing on real implementation scenarios, data exchange, and practical use cases.

By the end of the training, participants will be able to:

- Understand the ctrlX automation platform and its open architecture.
- Develop and manage PLC logic using ctrlX PLC.
- Apply IoT concepts for connectivity and data-driven automation.
- Adapt ctrlX solutions to customer-specific machine systems.
- Support flexible, scalable, and future-ready automation projects.



Customized Training: Tailored to Your Application

Designed around your machine. Built around your needs.

Our Custom Training Program is built specifically around your machines, systems, and operational challenges. Instead of generic learning, your team gains practical, directly applicable knowledge that improves performance from day one.

**We focus on
what matters
most to you!**

Actual equipment and configurations

Current skill level

Operational goals and pain points

What makes it different?

Tailored to your machine.

We align training content with the exact systems you use, ensuring high relevance and faster understanding.

Outcome-driven.

Designed to improve efficiency, reduce downtime, and strengthen decision-making on the ground.

Flexible delivery.

Training can be conducted on-site, online, or at our training center, depending on your needs.

Focused on real challenges.

We incorporate your real operational issues into the learning process.

Training that puts you in control.

Hydraulics

From fundamentals to advanced applications, training is adapted to your hydraulic systems and real operating conditions.

What we can cover:

- System understanding based on your machine configuration
- Maintenance best practices
- Troubleshooting using real case scenarios
- Performance optimization

For example:

System Training

Empowering customers to understand their hydraulic systems—down to each component—so they can operate more efficiently and confidently.

For example:

VSD Commissioning

Build the expertise to manage VSD systems end-to-end—from fundamentals and setup to commissioning and advanced troubleshooting in real operations.

Automation

Training tailored to your automation setup, from control systems to drive technologies, ensuring your team can operate and optimize.

What we can cover:

- System architecture & integration
- Installation & commissioning
- Diagnostics & troubleshooting
- Operational optimization

Take your training at our facility.



Meet our experts.

Our courses are delivered by seasoned practitioners with real-world expertise.



**Andi Oktavia
Prahmajaya**

Hydraulics expert

Courses:

- Spider Control System: Intelligence in Motion



Haekal Alfatah

Hydraulics expert

Courses:

- Basic Hydraulics: Master Your Own Machines
- Custom Training



Deris Prastio

Hydraulics expert

Courses:

- Basic Hydraulics: Master Your Own Machines
- SP Pump/A4CSG: From Principle to Practice
- Custom Training



Hanif Ahmadzakir

IoT and control system expert

Courses:

- Next-Gen IOT & PLC Automation
- ctrlX AUTOMATION Experience



**Mogi Arum
Kurnia Widi**

Control system expert

Courses:

- Mechatronics (mMS 4.0©): Power Your Automation

Automation



Hendra Khoirul

IoT and control system expert

Courses:

- Next-Gen IOT & PLC Automation
- ctrlX AUTOMATION Experience
- Drive Performance: Master Variable Speed Drive

Terms and conditions

- All Bosch Rexroth training programs are conducted in classroom format (Jakarta based) with a maximum of eight (8) participants per session, unless otherwise agreed.
- Training participation is confirmed upon official confirmation from Bosch Rexroth and receipt of Purchase Order (PO) or agreed payment confirmation.
- Investment fee will be informed upon request and stated in the official quotation.
- Participants will receive an attendance certificate upon completion of the training.
- Certificate is granted with a minimum attendance of 80% of total training duration.
- Cancellation must be submitted in writing.
- Bosch Rexroth reserves the right to reschedule training due to operational or unforeseen circumstances.
- Accommodation and transportation costs for trainers are excluded and will be charged separately for on-site sessions outside Jakarta.
- All training materials remain the property of Bosch Rexroth. Reproduction or distribution without written permission is prohibited.
- *mMS 4.0© Training is applicable only for customers with access to the mMS 4.0© module.*
- *Custom training duration and scope will be defined after technical discussion with the customer.*

**Ready to master
your machine?
Start now.**

PT Bosch Rexroth
CIBIS Park, building no. 202,
Jl. TB Simatupang no. 2,
Cilandak, Jakarta 12560
Phone +62 21 30050700
www.boschrexroth.com/en/id

rexroth
A Bosch Company