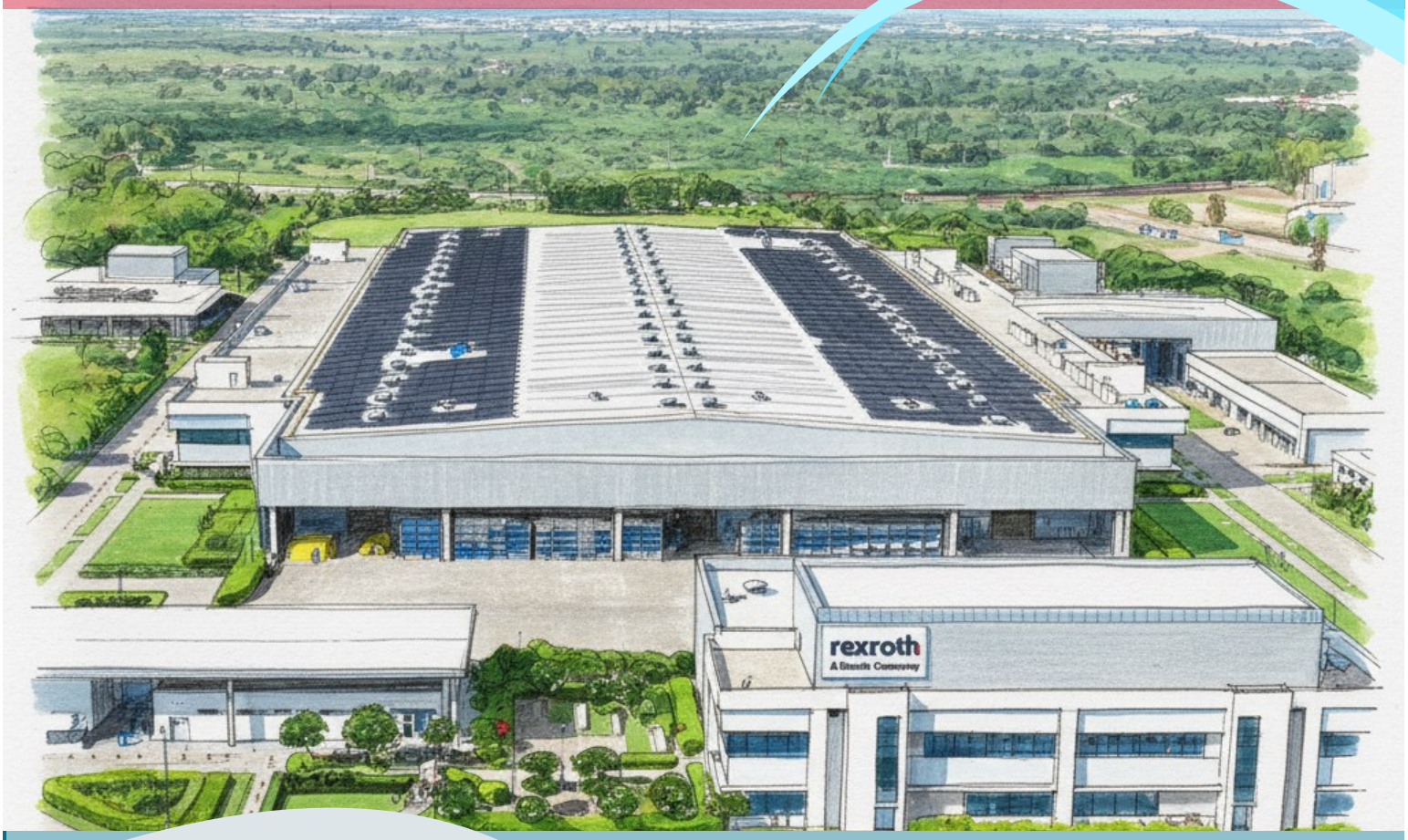
Training Calendar 2026



The Drive & Control Academy
Bosch Rexroth (India) Private Limited

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Contents

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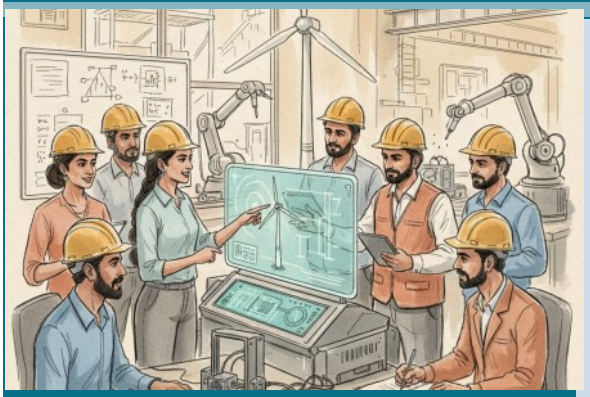


The Drive & Control Academy India

We make unique knowledge available

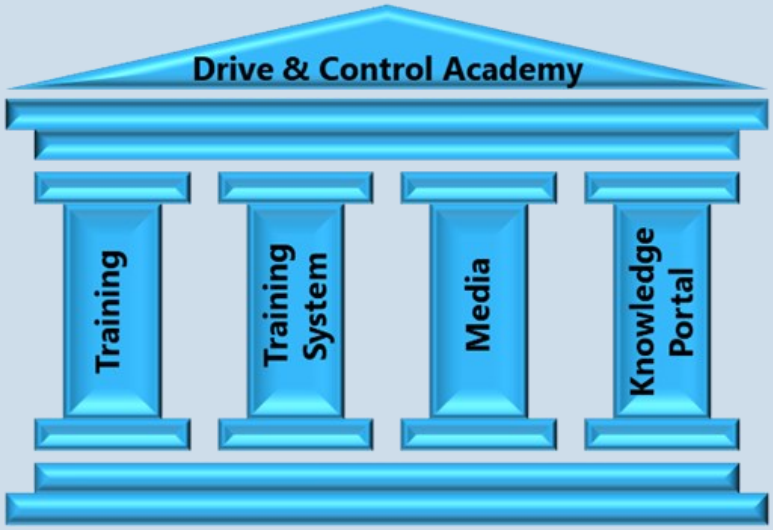
As a global leader in drive and control technology, Bosch Rexroth combines deep technological expertise with a commitment to sharing it. We make this knowledge accessible to trainees, students, industry professionals, and our customers' teams.

In a highly competitive market, the skills and expertise of your people are a decisive advantage.

Through the Drive & Control Academy, we deliver tailored programs—from foundational courses to advanced qualifications—that build technical excellence.

Our training is practical, audience-specific, and delivered using the latest methods and tools.

The Drive & Control Academy is built on four pillars of knowledge transfer:



Excellence 2025

- **13500+** man-hours Training
- **760**x Trainees
- **12**+ different Industries
- **50**+ different Customers
- **4.6** / 5.0 Overall Participants Feedback

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Level 1: Foundation

For Freshers into Hydraulics or Automation.

Level 2: Advanced

For 1-3 years experienced in Industry for Hydraulics or Automation and completed FOUNDATION courses.

Level 3: Professional

Engineers having more than 3 years Industry experience in Hydraulics or Automation and completed ADVANCED & FOUNDATION courses

Proficiency Level

Hydraulics

Level 1: Foundation
i. Basic Hydraulics
ii. Basic Electronics for HY engineers

Level 2: Advanced
i. Measurement and Analysis
ii. Valve control technology
iii. Mobile Hydraulic

Level 3: Professional
i. Axial Piston Units - Pump & Motor
ii. Servo & Proportional Technology
iii. Connected Hydraulics, IoT

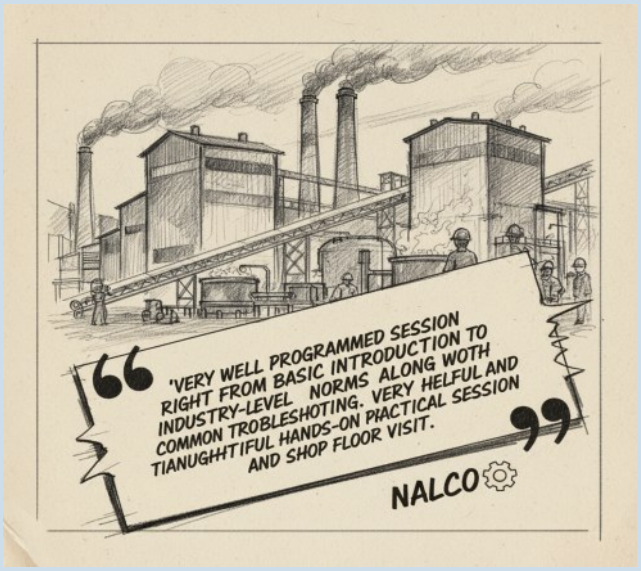
Industrial Automation

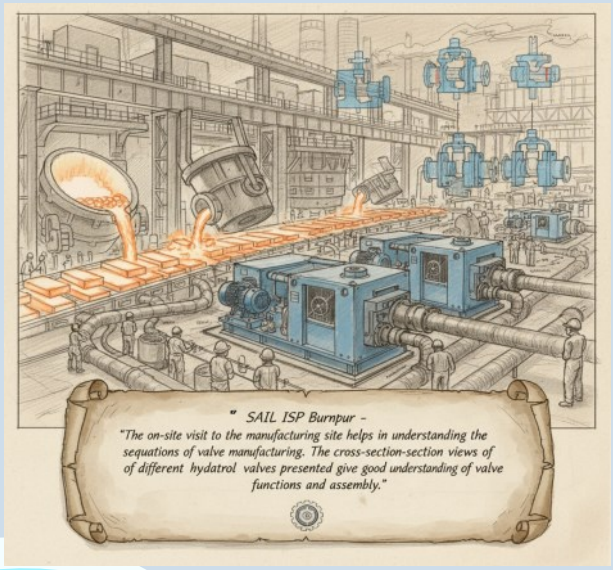
Level 1: Foundation
i. Basic PLC & Programming concepts
ii. Basic Servo Drives & motors
iii. Basics of Frequency Converter & EFC drive Training

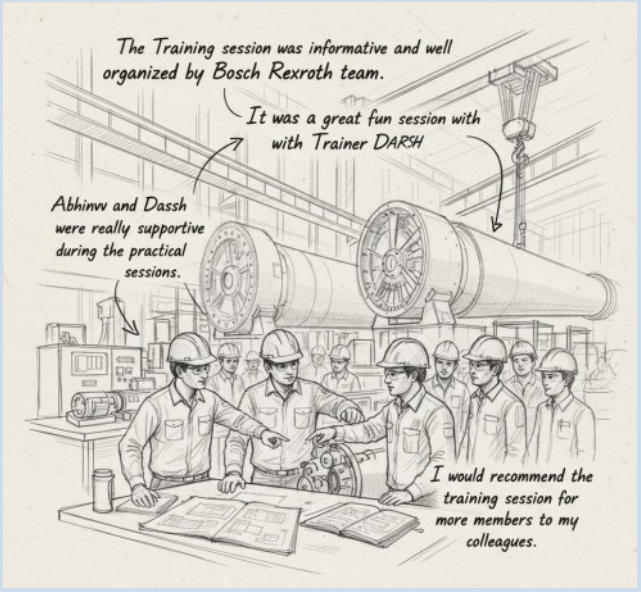
Level 2: Advanced
i. Maintenance Training - Product Specific - Servo Drives & Servo Motors

Level 3: Professional
i. Programming Training – Product Specific – Motion Controllers, Servo Drives & Servo Motors

Testimonials







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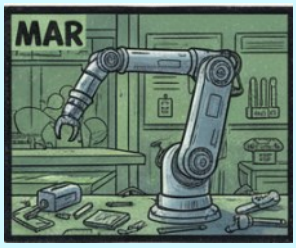
Training Calendar 2026

- Δ Jan 28-30 | **Basic Hydraulics** | AHM

- Δ Feb 6 | **Valve control technology incl. OC, LS, LUDV** | Virtual
- Δ Feb 9-11 | **Customized Basic Hydraulics** | BLR
- Δ Feb 19-20 | **Basics of PLC & Programming concepts** | BLR
- Δ Feb 25-27 | **Basic Hydraulics** | AHM



- Δ Mar 23-25 | **Basic Hydraulics** | AHM
- Δ Mar 26-27 | **Basic Electronics for Hydraulics Engineers** | AHM

Package Learning Program | Foundation Level (Hydraulics)

- Δ Apr 6-8 | **Axial Piston with Open & Closed Loop system** | AHM
- Δ Apr 9-10 | **Measurement & Analysis** | AHM

Package Learning Program | Advance+ Level (Hydraulics)

- Δ Apr 22-24 | **Continuous Control Valve Technology** | AHM
- Δ Apr 29-30 | **Basics of Servo Drives & Drives motors** | BLR

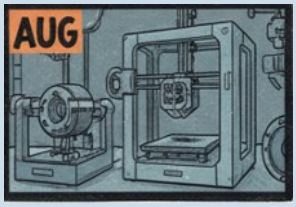
- Δ May 11-13 | **Basic Hydraulics** | AHM
- Δ May 19-20 | **Basics of Frequency Converter & EFC drive Trg** | BLR
- Δ May 25-27 | **Basic Hydraulics** | Bhubaneswar

- Δ June 3-4 | **Maintenance Training - Servo Drives & Servo Motors** | BLR
- Δ Jun 17-19 | **Customized Basic Hydraulics** | BLR
- Δ Jun 24-26 | Customized Basics Hydraulics for Channel Partners | AHM

Location of Training: AHM: Ahmedabad | BLR: Bangalore

Training Calendar 2026

- Jul 14-15 | Basic Electronics for Hydraulics Engineers for channel partners | AHM
- Jul 22-24 | **Continuous Control Valve Technology** | AHM



- Aug 3-5 | **Basic Hydraulics** | AHM
- Aug 6-7 | **Basic Electronics for Hydraulics Engineers** | AHM

Package Learning Program | Foundation Level (Hydraulics)

- Sep 10-11 | **Mobile Hydraulics** | AHM
- Sep 14-16 | **Axial Piston Units** | AHM
- Sep 17-18 | **Measurement & Analysis** | AHM
- Sep 21-23 | **Basic Hydraulics** | AHM
- Sep 24-25 | **Basic Electronics for Hydraulics Engineers** | AHM

Package Learning Program | Foundation, Advance+ Level (Hydraulics)

- Oct 7-9 | Basic Hydraulics | AHM
- Oct 28-30 | **Programming Training for Motion Controllers, Servo Drives & Servo Motors** | BLR
- Oct 29 | **Valve control technology incl. OC, LS, LUDV** | AHM

- Nov 16-18 | **Basic Hydraulics** | AHM
- Nov 19-20 | **Maintenance Training for Servo Drives & Servo Motors** | Ban
- Nov 25-27 | **Connected Hydraulics for Industrial Applications** | AHM

- Dec. 3-4 | **Mobile Hydraulics** | AHM

Location of Training: AHM: Ahmedabad | BLR: Bangalore

- **For customized training at the customer's premises, time slots are allocated separately and will be reserved on a first-come, first-served basis.**
- **10% discount of total fees for packaged learning programs i.e. two relevant courses to attend together.**

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The Drive & Control Academy India

Fee Structure

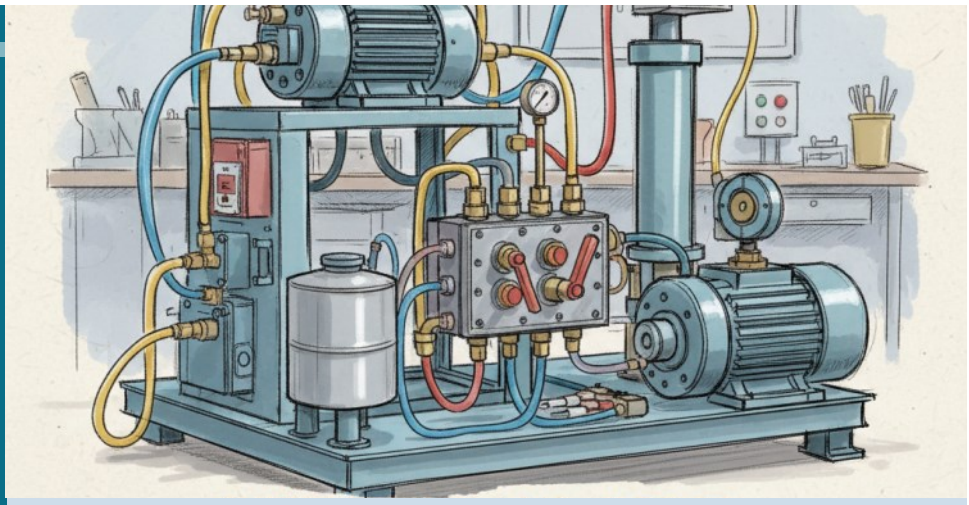
Courses	Fees
Foundation Level	
Basic Hydraulics	₹ 27,000
Basic Electronics for Hydraulics Engineers	₹ 17,000
Basics of PLC & Programming concepts	₹ 17,000
Basics of Servo Drives & Drives motors	₹ 17,000
Basics of Frequency Converter & EFC drive	₹ 17,000
Advanced Level	
Valve control technology	₹ 10,000
Measurement & Analysis (Hydraulics)	₹ 17,000
Mobile Hydraulics	₹ 17,000
Maintenance Training - for Servo Drives & Servo Motors	₹ 17,000
Professional Level	
Axial Piston with Open & Closed Loop system	₹ 27,000
Axial Piston Units	₹ 27,000
Continuous Control Valve Technology	₹ 27,000
Connected Hydraulics	₹ 27,000
Programming Training – Motion Controllers, Servo Drives & Servo Motors	₹ 27,000

Man-Days Package | Validity: 1 year | Utilization	**Till upto Dec"26.**
10-Man-Days Training Package	₹ 85,500
20-Man-Days Training Package	₹ 1,53,000
30-Man-Days Training Package	₹ 2,15,000

- Additional 18% GST applicable on above mentioned rates.
- On site programs and for batch of minimum 15 Participants & Cost is based on Training Customization.
- The Man-Days Package is applicable to standardized training programs as per the Rexroth Training Calendar 2026.

Level 1: Foundation

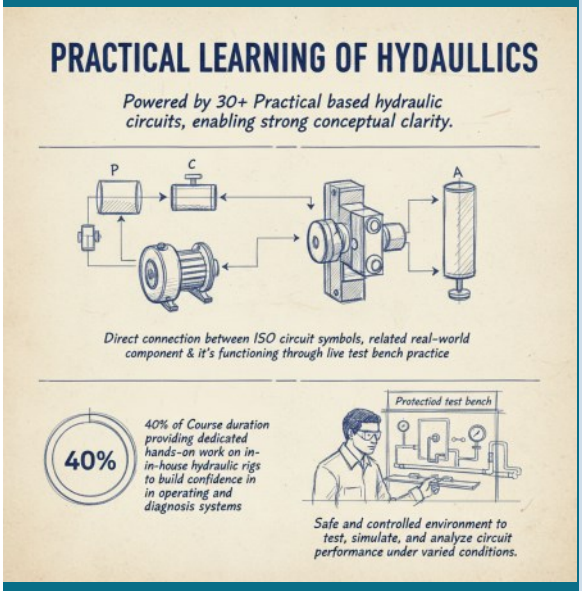
Basic Hydraulics



Program overview

This flagship course provides a solid foundation in hydraulic systems for professionals at all levels. Participants learn how hydraulic systems operate, explore major components and system dynamics, and gain best practices in fluid selection, oil quality, and contamination control. The program emphasizes safe working methods and effective troubleshooting. Hands-on, lab-based sessions ensure concepts are immediately applicable in real-world settings. Ideal for engineers, technicians, and maintenance teams.

Unique Learning



Learning Contents:

Basic Physics of Hydraulics & Principles | Symbols | Pumps | Pressure Control Valves | Direction Control Valves | Flow Control Valves | Load Holding concept | Introduction to Proportional technology | Hydraulic Motors | Cylinders | Accumulators | Hydraulic Oil | Accessories | Accumulators | Heat Exchangers | Tubes, Hoses & Fittings | Contamination Control | Basic trouble shooting | Hydraulics Safety | [Practical sessions, Plant & Service center tour is added for the sessions conducted at Bosch Rexroth India, Ahmedabad as well Bangalore location]

Training Outcome:

- Build a strong foundation in hydraulic concepts and system behavior through theory and guided practice.
- Develop the ability to interpret ISO hydraulic symbols and understand circuit logic and flow paths.
- Understand how pumps, valves, cylinders, motors, and accumulators function within different circuit applications.
- Strengthen maintenance skills through knowledge of hydraulic fluids, contamination control, hoses, and fittings.
- Learn structured fault-finding approaches for diagnosing early-stage issues in hydraulic systems.
- Practice safe operations using controlled test bench setups to observe real component behavior.

4.6 out of 5.0 (257)
Attendees Rating of 2025

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Level 1: Foundation

Basic Electronics for Hydraulics Engineers

Program overview

This hands-on course helps hydraulic engineers gain essential electrical knowledge needed in today's automated systems. It simplifies circuits, sensors, actuators, and control basics so participants can confidently work on electro-hydraulic setups. Ideal for anyone seeking practical skills to troubleshoot faster, improve reliability, and stay relevant in modern industry.

Unique Learning

- Bridge the gap between hydraulics and electrical/electronic systems
- Understand motors, drives, power supplies, and control circuits used in industrial machines
- Understand automation basics like PLC integration, fieldbus communication, and PWM
- Gain exposure to Industry 4.0 concepts applied to machines and shop-floor systems

4.4 out of 5.0 (100)
Attendees Rating of 2025

Learning Contents:

Understanding Electrical & Electronics Fundamentals | Understanding of Electrical & Electronics Components in Hydraulic Systems | Reading and Interpreting Electrical Diagrams | Basic Circuit Design and Troubleshooting | Safety Practices in Electrical Work | Understanding Digitalization.

Training Outcome:

- Connect electrical and electronics concepts with real hydraulic system behavior
- Understand power supplies, SMPS, UPS, and protection systems used in machines
- Work confidently with sensors, switches, relays, contactors, and control circuits
- Understand motors, star-delta starters, and variable speed drives in applications
- Gain basic knowledge of PLC integration and fieldbus communication
- Understand open-loop and closed-loop control logic
- Apply practical testing, fault diagnosis, and preventive maintenance methods
- Reduce machine downtime through better electrical understanding

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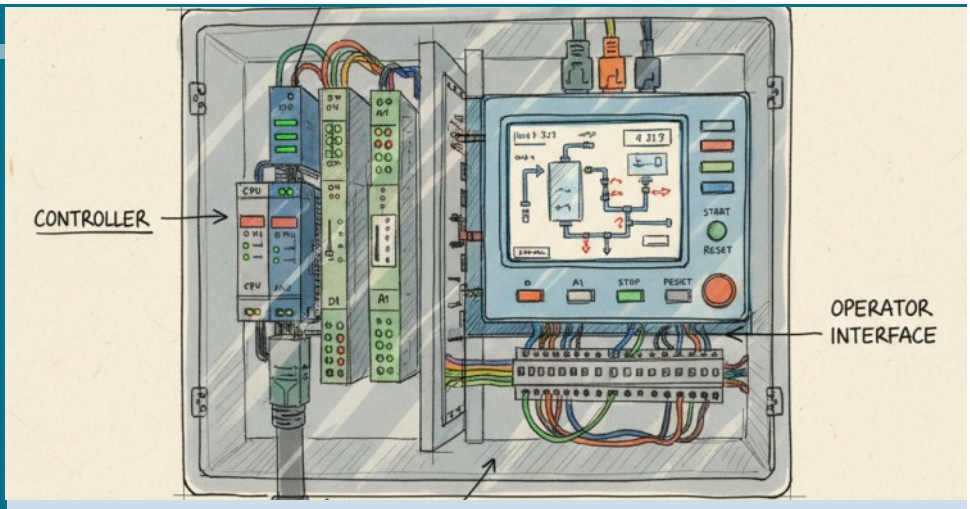
Level 1: Foundation

Basics of PLC & Programming concept



Program overview

This industry-focused PLC training program is designed to build strong fundamentals in automation with clear practical learning. Participants understand PLC concepts, hardware, I/O wiring, and PLC Programming through structured explanations and hands-on practice. The course also introduces CtrlX architecture, remote I/O, and modern programming tools used in today's smart factories. Real-life examples help connect learning to shopfloor challenges.

Unique Learning

- 20+ exercises for practicing PLC program development
- Understand automation system overview
- Understand how real shopfloor requirements are handled through PLC programs
- Learn modern PLC architecture aligned with smart factory concepts
- Build confidence to troubleshoot and modify live PLC programs
- Learn structured and reusable programming practices

New

Learning Contents:

Understanding Automation basics | Introduction to PLC, System Architecture | Overview of I/O modules & connecting devices | Special modules, Bus couplers and Remote I/O concept advantages | Understanding bus communication interfaces, Ex: EtherCAT, ProfiNet | IP classification | Selection criteria of PLCs | Case study examples for PLC + I/O modules selection | Difference between PLC & Motion Controller | Understanding various programming languages LD, FBD, ST etc., | Configuration and usage of Variables, addressing, Data types | Use of Data conversion blocks, Arithmetic blocks etc., | Library management, Task management | PLC Program development using timers, counters, comparators etc., | Cross reference list | Variables configuration for OPC communication with HMI | Understanding use of Function Blocks | Advantage of Trace functionality

Training Outcome:

- Strong foundation in PLC concepts and hardware
- Clarity in difference between PLC & Motion Controller
- Understand the advantages of communication Interfaces to connect external devices
- Clarity in usage of various functions (timers, counters, trigger commands etc.,) to fulfill industry requirements
- Ability to develop, test & debug PLC programs
- Analyzing PLC Variables using Trace function
- Improved plant uptime through faster fault diagnosis & troubleshooting

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Level 1: Foundation

Basics of Servo Drives & Servo Motors

Program overview

This flagship Basic Servo Drives & Servo Motors training builds a strong foundation in motion control systems. The program explains servo fundamentals, drive–motor interaction, control modes, and product documentation in a simple, practical way. Participants gain hands-on experience in configuration, parameter setting, and basic troubleshooting using demo kits. Learning is aligned with real industrial applications to ensure quick understanding and easy implementation.

Unique Learning

- Learn servo technology from a system-level automation perspective
- Understand how motion requirements translate into servo configuration choices
- Master – Slave concepts
- Learn the logic behind selecting control modes and encoders

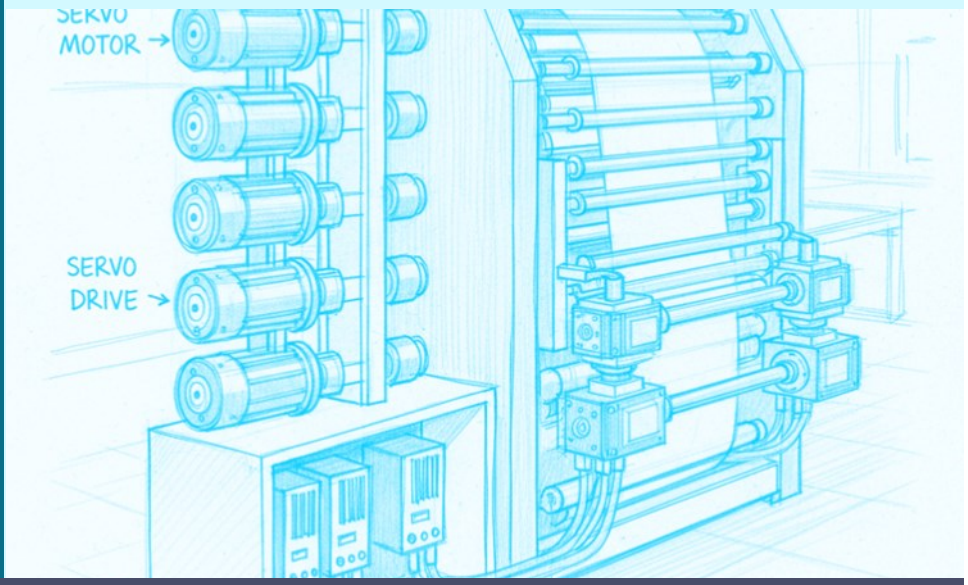
New

Learning Contents:

Understanding Automation basics | Servo system overview | Various methods of connecting motor shaft & load | Usage of Mains Filter, Choke, Brake Resistor etc., | Various types of motors used in Industrial applications | Types of encoders & need for external encoders | Brief understanding of Drive power circuit | Understanding communication interfaces, Ex: EtherCAT, ProfiNet etc., | Drive interface & wiring guidelines | Importance of Earthing & Shielding | IP Classification | Motor Duty Cycles & it's effect on Servo sizing | Drive Operating modes, switching sequence | Homing / Referencing process | Synchronization methods | Best practices for safe operation of servo systems | Related parameters | Software features, parameterization | Parameter Group | Diagnostics & analysis using oscilloscope, Error history | Use of Bipolar limits | Motor Control loop settings | Hands-on practice with demo kits | Parameter / Project data management | Servo Application examples from proven projects

Training Outcome:

- Configure servo drives and motors for real machine applications
- Importance of duty cycle in Servo sizing
- Application of Velocity, Position, Torque, and various synchronization modes
- Clear understanding of motor control loop tuning options
- Parameter backup & restore. How to view the saved parameters in offline
- Faster diagnosis and troubleshooting using diagnostic options - Oscilloscope & error history



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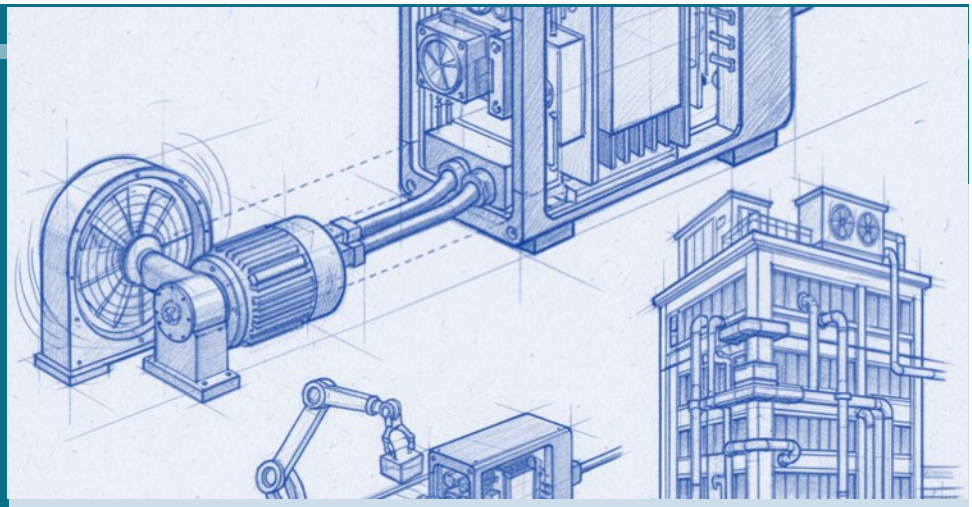
Level 1: Foundation

Basics of Frequency Converter & EFC drive

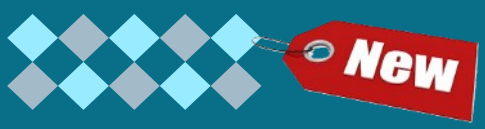


Program overview

This Parameterization Training – Frequency Converter
(Electronic Frequency Control) program builds strong fundamentals in variable speed drive applications with a clear, hands-on approach. Participants learn EFC basics, automation concepts, drive hardware, and control modes, followed by structured parameter setting and commissioning. Practical sessions using demo kits help connect parameters to real motor behavior, diagnostics, and application

Unique Learning

- Learn how EFCs fit into a complete automation system architecture
- Understand decision logic for selecting EFC vs VFC for applications
- Build confidence in reading and navigating OEM drive documentation
- Learn how control philosophy changes across V/F, SVC, and FOC



Learning Contents:

Fundamentals of automation and complete EFC-based system overview | Frequency Converter product overview, types, accessories, and applications | Difference between EFC and VFC drives with use-case clarity | Project preparation: dimensions, terminals, wiring, and safety guidelines | Drive control modes, switching sequence, and communication interfaces | Software parameterization: parameters, groups, limits, and control loops | Hands-on motor commissioning using demo kits (V/F, SVC, FOC) | Diagnostics, error analysis, backup, restore, and offline project review

Training Outcome:

- Clear understanding of Frequency Converter & associated accessories
- Identify EFC / VFC drive components, accessories, and internal drive structure
- Preparation for project start - Dimensional, communication, and wiring guidelines
- Parameterization using on-board display & IndraWorks Ds software
- Clarity in selecting EFC drives for suitable applications (Pumps, HVAC, Conveyors, Plastics etc.,) and avoid unsuitable applications (Lifts, Cranes, Elevators etc.,)
- Troubleshooting guidelines
- Ability to commission VFD drives for various industrial requirements

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Level 2: Advanced

Measurement & Analysis (Hydraulics)

Program overview

To understand hydraulic machine behavior, correct instruments are essential. This course provides practical learning led by skilled service professionals, where participants work in small teams and apply measurement techniques independently in workshop-style sessions. This course is immensely valuable for the engineers working in Industrial or Mobile Hydraulics.

Unique Learning

- Training is conducted with "Hydrotechnik" test equipment with its software. Participants develops hands-on knowledge of extensive use of the equipment and analysis of readings.

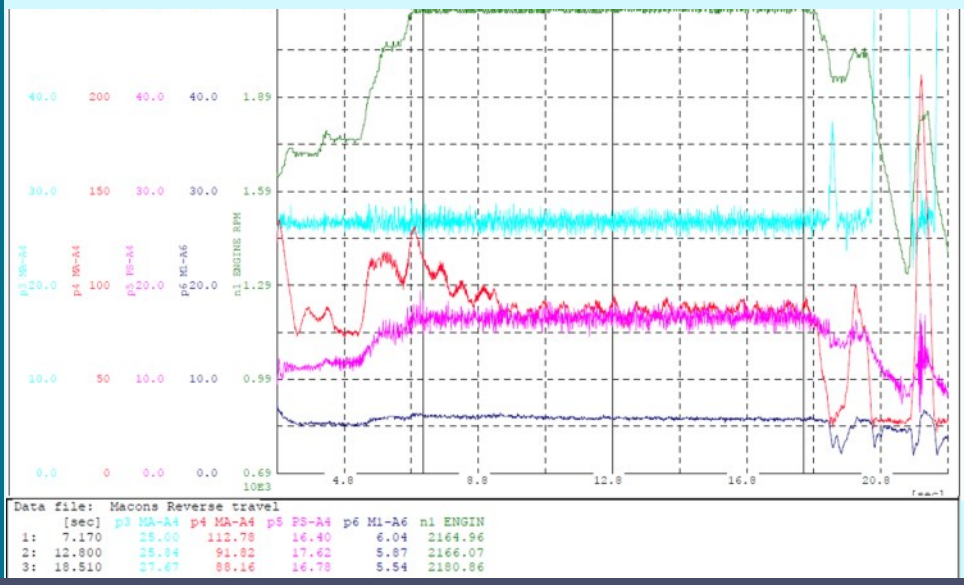
4.6 out of 5.0 (13)
Attendees Rating of 2025

Learning Contents:

Basics of measurement technology | Pressure measurement | Flow measurement | Measuring electrical quantities |Design and function of measuring instruments | Sensor selection criteria | Calibrating sensors | Analyzing measurement curves independently recorded on the training system

Training Outcome:

- Confidently handle and operate digital measuring systems such as Hydrotechnik Multisystem 5060 / 5080.
- Set up measurement points and sensors correctly for reliable data capture.
- Analyze measurement results to detect faults and target root causes.
- Interpret pressure, flow, temperature, and speed trends in hydraulic systems.
- Evaluate whether selected measuring instruments suit dynamic hydraulic processes.
- Use measurement data to support troubleshooting and performance improvement.
- Document machine behavior using modern data logging technology.
- Compare actual vs. expected performance to identify deviations.
- Perform basic optimization actions based on measurement findings.



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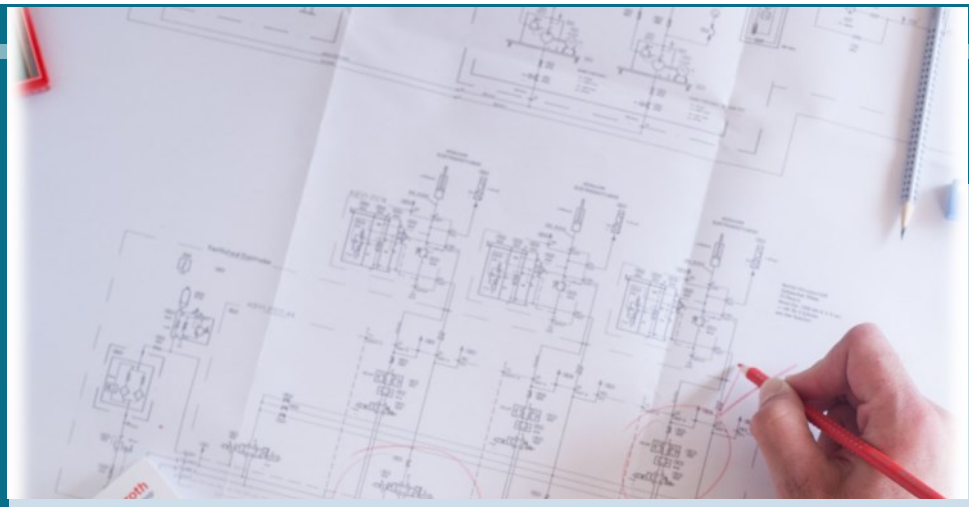
Level 2: Advanced

Valve control technology (incl. OC, LS, LUDV)

Program overview

This optional program supports hydraulic professionals in mobile machinery by explaining modern valve control technologies. As these systems are now appearing in industrial and marine equipment, the training helps participants build the capability to apply similar concepts in factory or onboard applications—making it easier to tune performance and improve system efficiency.

4.8 out of 5.0 (29)
Attendees Rating of 2025



Learning Contents:

This program helps participants grasp OC, LS and LUDV control principles and | how load sensing improves open-loop system efficiency | It explains how combined control strategies are applied in machinery | how to calculate power demand, and how to choose controls based on real application examples.

Training Outcome:

- Explain the core purpose of valve control and how valves drive motion, efficiency, and behavior in hydraulic equipment.
- Identify valve technologies confidently and choose between direct, pilot, and poppet designs based on application.
- Understand mounting concepts to simplify installation, service, and system layout.
- Describe how valves are actuated — from manual controls to advanced electro-hydraulic logic.
- Interpret spool overlap types and predict their effect on performance, shock, precision, and operator experience.
- Recognize when open-circuit and closed-circuit systems are used and why they matter for productivity.
- Assess throttle-based control, energy loss, flow paths, and circuit configurations.
- Understand how LS and LUDV systems transform efficiency, prioritize functions, and ensure smooth multi-tasking.
- Link all concepts to real machines like excavators, cranes, and loaders to make correct system choices and performance recommendations.

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Level 2: Advanced

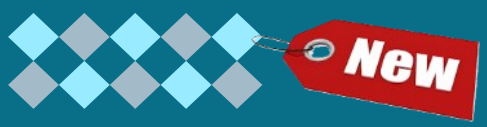
Maintenance Training—Servo Drives and Motors

Program overview

This Maintenance Training – Servo Drives & Motors program is designed for maintenance engineers responsible for ensuring machine reliability and uptime. The training builds a clear understanding of servo drive and motor fundamentals, product construction, and documentation usage. Strong emphasis is placed on troubleshooting techniques, key service parameters, and fault diagnosis. Hands-on sessions using demo kits help participants practice parameter checks, error analysis, and corrective actions in real maintenance scenarios.

Unique Learning

- Learn a methodical troubleshooting mindset used by experienced maintenance professionals
- Develop confidence in interpreting OEM manuals and online resources during breakdown situations
- Understand the impact of earthing and shielding on long-term servo reliability
- Gain clarity on service workflows, including coordination and spares



Learning Contents:

Fundamentals of automation | Servo system overview | Product understanding: Drives, power supply units, firmware, motors, gearboxes, accessories | Usage of Mains Filter, Choke, Brake Resistor etc., | Brief understanding of Drive power circuit | Understanding communication interfaces, Ex: EtherCAT, ProfiNet etc., | Drive interface & wiring guidelines | Importance of Earthing & Shielding | Drive Operating modes, switching sequence | Homing / Referencing process | Synchronization methods | Relevant documents and troubleshooting references | Software features, parameterization | Parameter Group | Diagnostics & analysis using oscilloscope, Error history | Use of Bipolar limits | Motor Control loop settings | Hands-on practice with demo kits | Project data management | Maintenance clarifications: Defective product replacement procedure, how to execute Homing, product relevant software, and spares planning

Training Outcome:

- Apply structured steps for identifying and isolating servo drive faults
- Use diagnostic tools such as error memory and oscilloscope effectively
- Identify and adjust critical servo parameters required for stable operation
- Perform safe replacement of defective drives or motors
- Execute parameter and project backup and restore procedures
- Ensure operational continuity through offline project access
- Coordinate service, spares availability, and repair order processing

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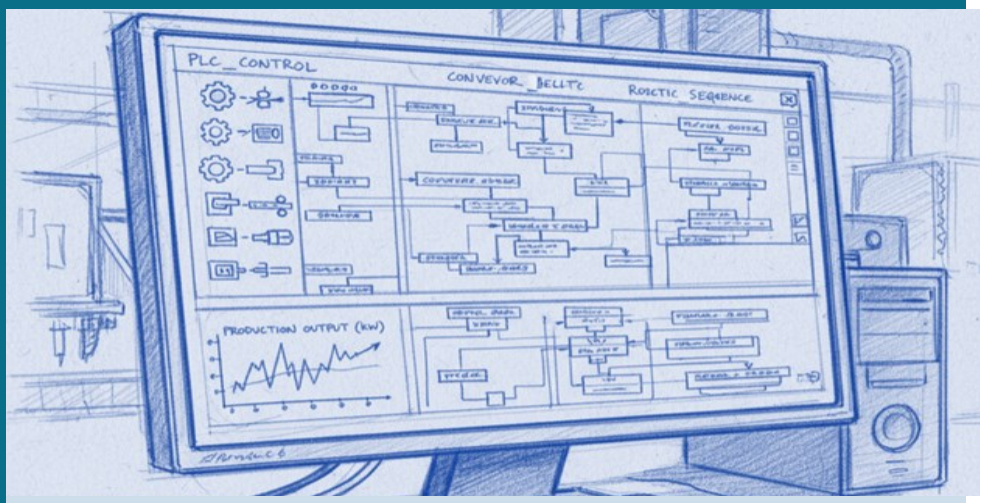
Level 3: Professional

Programming Training – Product Specific – Motion Controllers, Servo Drives & Servo Motors



Program overview

This Programming Training – Motion Controllers & Servo Drives program provides a deep understanding of industrial automation by combining PLC programming with motion control concepts. Strong emphasis is placed on hands-on practice using demo kits, including communication setup, I/O configuration, logic development, debugging, and motion control integration with servo drives.

New

Learning Contents:

Automation fundamentals | Servo system fundamentals | Control products overview: Motion Controllers, HMIs, IPC, firmware & licenses | I/O systems: Digital, Analog, Encoder, Counter, PWM modules & Remote I/O concept | Communication interfaces, bus couplers & fieldbus options | Servo Drives & Servo motors product overview | Servo operation modes Velocity control, Position control, Torque control, Synchronization methods | Homing / Referencing process | Relevant documents and step-by-step procedures | Detailing of Software features, parameterization, PLC programming | Project development involving Motion Controller, I/Os, Servo drives, HMI | Configuration, libraries, and OPC communication | Hands-on practice with Motion control, HMI, & Drives integration | Project data management

Training Outcome:

- Configure Motion Controllers, I/O modules
- Communicate with various field devices using fieldbus interfaces & understand how data is exchanged between among electronics devices
- Develop programs using multiple PLC languages and structured programming practices
- Configure I/O, tasks, libraries, and OPC communication
- Implement motion modes: Velocity control, Position control, Torque control, and synchronization
- Debug programs, diagnostics using oscilloscope & error history
- Clear understanding of complete project execution involving motion controller & Drives.

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Level 3: Professional

Axial Piston Units – Pump & Motor – Open & Closed Loop

Program overview

This training helps participants understand axial piston pumps and motors—how they are built, how they function, and how they are used in real machines. It also explains how these components work within open-loop and closed-loop hydraulic systems, giving learners confidence in operation, maintenance, and troubleshooting.

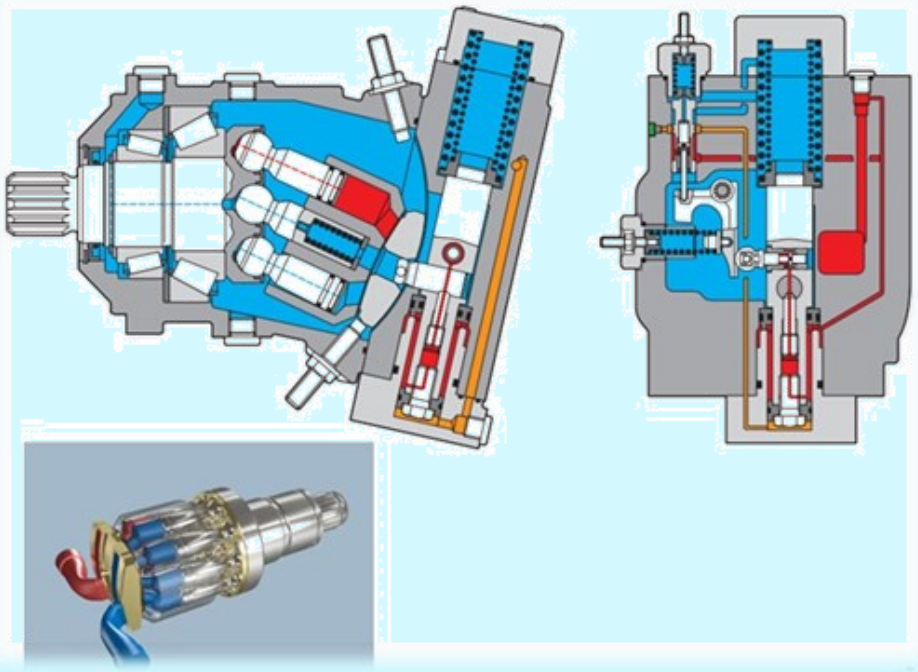
4.0 out of 5.0 (23)
Attendees Rating of 2025

Learning Contents:

Practical competence in axial piston units — how they are built, how various control types behave, and how to service them through assembly practice, calibration, commissioning, diagnostics | Open-loop hydraulic system design by covering component criteria | controller choices | regulation of flow/pressure | energy-efficient design | electronic integration | In closed-loop hydrostatic travel and rotary drive applications | Learn design logic | selection and calculation methods.

Training Outcome:

- Gain clarity on axial piston units and how their controllers affect machine behavior
- Study internal construction to understand performance drivers and reliability factors
- Strengthen diagnostic skills through efficiency analysis, troubleshooting, and maintenance practice
- Understand open-loop hydraulics with controller principles, selection/sizing, commissioning steps, and safety procedures
- Learn closed-loop system functioning with feedback control, product selection, performance calculations for travel/rotary drives, commissioning know-how, and structured maintenance approaches



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Level 3: Professional

Servo & Proportional valve technology

Program overview

This specialized course enables professionals to understand and apply advanced hydraulic valve technologies essential for precision control in industrial systems. It provides deep insight into servo and proportional valves, their role in regulating flow and pressure, and how they influence machine performance. With guided learning in system integration, calibration, troubleshooting, and maintenance, this program delivers practical competence that enhances efficiency, reliability, and service capability — making it a valuable investment for engineers and maintenance teams.

Unique Learning

- Practical learning powered by **15+ Practical based hydraulic circuits**, enabling strong conceptual clarity.
- **40% of Course duration providing dedicated hands-on work** on in-house hydraulic rigs to build confidence in operating and diagnosing systems.

4.0 out of 5.0 (70)
Attendees Rating of 2025

Learning Contents:

This course covers continuous hydraulic control concepts, including how directional, pressure and flow control valves work, behave and are configured. Learners study continuous valve control units along with both analog and digital electronics, applying these through hands-on circuit exercises on a training bench. The program further builds confidence in identifying interference sources, applying systematic troubleshooting, commissioning systems, testing perfor-

Training Outcome:

- Explain the design and operation of continuous control valves and related electronics
- Interpret simple control logic and functional sequences
- Translate functional requirements into working hydraulic actions
- Understand servo and proportional concepts and how they influence precision
- Design systems incorporating proportional and servo valves for real applications
- Perform testing, commissioning, and troubleshooting to ensure system performance

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Level 3: Professional

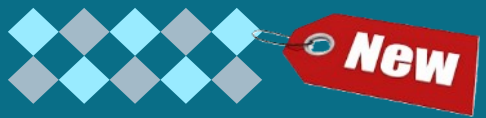
Connected Hydraulics

Program overview

This Connected Hydraulics Training System is a compact and mobile learning platform designed for hands-on exposure to modern electro-hydraulic automation. It integrates smart hydraulic components with PLCs, Motion Controllers, HMIs, and CtrlX Core. With IoT connectivity, multi-Ethernet communication, real-time monitoring, and motion synchronization, the system builds Industry 4.0–ready skills, making it an ideal investment for future-focused industrial training programs.

A new course has been added in response to customer demand, aimed at augmenting skills aligned with emerging technologies.

- Learn how connected hydraulics works as a complete cyber-physical system
- Understand the role of energy-efficient systems in sustainable automation
- Gain exposure to smart valve technologies (IAC & IO-Link) used in next-gen machines
- Build Industry 4.0 thinking by linking hydraulics, motion, PLC, HMI, and IoT



Learning Contents:

Smart, energy-efficient, IoT-enabled hydraulic power unit | Proportional Control Technology: Proportional DC valves, PRV, cylinder control | High-Response Valves: IAC (Integrated Axis Controller) & IO-Link valves | CtrlX Core (Linux-based CtrlX OS) with modular app technology | PLC, Motion & Logic Controllers: VT-HMC & MLC-H | Advanced Motion Control: Position, force, pressure & multi-cylinder synchronization | Industrial Communication: Multi-Ethernet, ProfiNet, EtherCAT, OPC-UA, IO-Link | HMI, SCADA & IoT Dashboards with real-time monitoring & diagnostics

Training Outcome:

- Implement proportional, pressure, position, and force control on single & multi cylinders
- Configure PLC logic with digital & analog I/O using CtrlX platform
- Create SCADA screens and IoT dashboards via OPC UA & CtrlX HMI
- Execute motion profiles and cylinder synchronization using VT-HMC & MLC-H
- Integrate multi-Ethernet protocols: ProfiNet, EtherCAT, OPC-UA, IO-Link
- Monitor and control systems live through industrial HMI
- Diagnose and troubleshoot electro-hydraulic systems effectively

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Customized Training

The Customized Training Program is designed to equip customers with practical, role-specific knowledge that aligns directly with their organization's operational environment and business objectives. The program focuses on enhancing technical competence while ensuring effective and efficient use of installed systems and equipment.

Key Elements:

- Strengthening participants' understanding of core technologies, system architecture, and functional principles to enable confident and informed decision-making in day-to-day operations
- Training is tailored to the customer's real-world applications, workflows, and organizational requirements, enabling participants to configure, customize, and optimize systems according to their specific operational needs
- Providing hands-on guidance and best practices for safe operation, routine maintenance, troubleshooting, and performance optimization to maximize equipment reliability, availability, and lifecycle value right on the machine.
- Supporting ongoing professional development through advanced modules, updates on new features or technologies, and role-based learning paths to ensure participants remain current in their fields of specialization.

Most Valued Program:

- Onsite programs / Programs at Ahmedabad
- Ideal batch size 12-15 participants.
- Based on the available slots or as per availability of required technology faculty. First cum First serve basis.

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E-Learning Courses

To provide flexible, accessible, and self-paced education and training, we offer you qualified and certified eLearning with maximum flexibility. The eLearning available from the Drive & Control Academy, Germany includes all Drive & Control technologies.
Our offering includes hydraulics, automation, pneumatics, etc. covering all around industry needs.

Courses in English,
(License validity: 1 year; Prices are in INR, GST applicable as per prevailing rates)

Mat.-Nr.	Training Topics	1 License	12 License
R901559998	Hydraulics for beginners	35000	140000
R901563601	Hydraulic circuits and control types	8000	32000
R901563617	Hydraulic fluids	8000	32000
R901566259	Valve technology – Control blocks of mobile hydraulics	3500	14000
R901560035	Valve technology for beginners	20000	80000
R901581093	Basics for digital Transformation	12000	
R901563600	Gear units	4500	18000
R901559987	Basic knowledge of electric control technology	7000	28000
R901559983	Basic knowledge of electric drive technology	15000	60000
R901559990	Basic knowledge of pneumatics	35000	140000
R901556292	Basic knowledge linear technology	5000	
R901556306	Linear axes	15000	
R901556300	Linear guides	20000	
R901556303	Screw drives	10000	

Technical Training Books

Technical books are invaluable resources for deepening knowledge and expertise in specialized fields. It provides structured, in-depth information, combining theoretical foundations. These books offer insights into industry standards, and best practices. It serves as reliable references for problem-solving, project execution, and skill development.

Books are in English:
(Hard copies; Prices are in INR, GST applicable as per prevailing rates)

Mat.-Nr.	Book Topics	Price
R901566373	Knowledge in detail: Hydraulics basic principles	12500
R900018626	Hydraulic trainer, volume 2 - Proportional and servo valve technology	9500
R900018547	Hydraulic trainer, volume 3 - Planning and design of hydraulic power systems	13000
R900826887	Hydraulic trainer, volume 6 - Hydrostatic drives with secondary control	14000
R961000791	Hydraulics in mobile machines	10000
R901475137	Energy efficiency manual	8000
R961007112	Dictionary of fluid technology	1500
R961009447	Hydraulics for tractors	7500
R961009449	Knowledge compact: Hydraulics basic principles	4000
R927001146	Pneumatics in theory and practice	6000
R901560714	Knowledge in detail - Mechatronics in theory and practice	9000
R961004461	Sensors in theory and practice	6500
R961006999	Safety engineering manual	8000
R310EN2017	Linear technology manual	6000

Our Training Faculties

- Qualified Engineers having experience ranging up to 30+ years in Industry as Application and Service engineers with relevant industry and product knowledge. This helps us discussing the real-world problem more directly with our participants.
- Certified “Trainers” by TUV SUD. Experienced in sharing knowledge to young engineers as well as to the experienced engineers.

General Terms & Conditions

- Program timings: 10:00AM – 5:00PM, unless specified otherwise.
- Training fees include participation at the Training event, use of the technical equipment provided for learning purposes, the training materials and, catering during breaks and lunch per full-day program. **Travel and accommodation expenses of the participant are not included.**
- Training documents / booklet will be provided in Soft Copy, as a commitment to sustainability. All the contents and documents are protected by Copyrights, Participant acquires a non-exclusive, non-transferable right of use. Without the approval of Bosch Rexroth India in writing, making additional reproductions of the information or content, editing or processing it, disclosing it to third parties or making it available to the public is not permissible.
- Participant should not remove copyright notices, trademarks, digital watermarks or other reservations of rights from information or content.
- The participant is obliged to comply with all regulatory and security regulations that apply at the event venue. However, during Service center and plant visits, Bosch Rexroth India will try to support participants with required safety equipment.
- If the number of registrations for an event is insufficient according to the minimum number of participants envisaged for a training or if it is not possible to conduct a Training in a proper manner for other unforeseen & uncontrollable reasons, Bosch Rexroth India has the right to cancel the training or to postpone conducting it on a different date to be agreed. If a training is cancelled by Bosch Rexroth, any training fees already paid to Bosch Rexroth India will be refunded in full within 15 days. Any claims for compensation or consequential costs incurred by the participants, their organization or third parties due to the cancellation or postponement.
- The participant or Channel Partner can revoke the contract free of charge at least 2 weeks in prior to commencement of training. 100% of the training fee will be retained in case of revocation notification is shorter than 2 weeks. This also applies if a registered participant fails to attend. However, participant / customer can nominate a substitute for the registered participant free of charge. In case of cancellation of any Training Program, Rexroth will send intimation to customer at-least 1 week prior to commencement of training program
- To ensure a smooth process, participants are requested to obtain prior consent from the Rexroth Training Coordinator via email at training.didactics@boschrexroth.co.in **before proceeding with any Work Order or approval.**
- For organizations without a direct or continuous business engagement with Rexroth, or if it is confirmed that an active account is not presently established in Rexroth SAP, the **Tax Invoice will be provided by an authorized Channel Partner**. Please note that all other commercial offers and training will be managed directly by Rexroth. Ensure prior to release Purchase Order check below details in your system to ensure a smooth process.

Name	Bosch Rexroth (India) Private Limited
Address	Sanand Viramgam Highway Ahmedabad - 382170, Gujarat, India
GSTIN	**24AAACM9898F1Z2**

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Training Systems & Kit

Empower Your Team with Practical, Application-Oriented Expertise

At Bosch Rexroth, we believe the best learning happens by doing.

Our training workstations feature the same industrial components used in the field, enabling participants to gain both practical experience and deep technical knowledge. This hands-on approach cultivates critical problem-solving skills and application-oriented expertise.

Tailored Training for Every Skill Level

Our modular training systems are precisely engineered to align with the qualification goals of industrial enterprises and educational institutions.

Each complete system integrates:

- A professional-grade workstation.
- Device sets with authentic industrial components.
- Exercise-based training content for practical application.

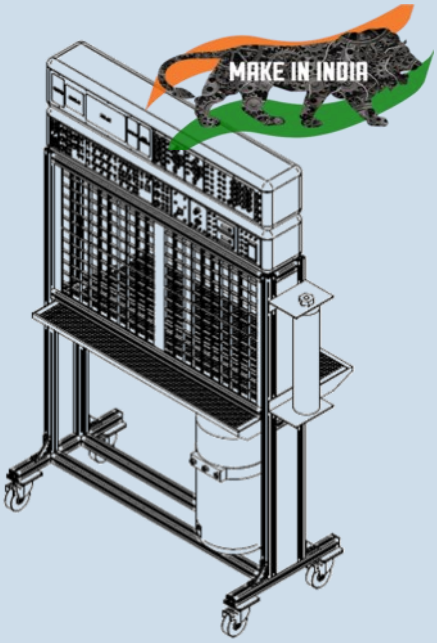
We provide a clear learning path for both beginners and advanced professionals in key technology areas, including Industrial/Mobile Hydraulics and the latest in automation, IoT, and cybersecurity.

By training with industrial serial components and internationally standardized programming languages, your team will be prepared for real-world challenges.

Build Your Custom Training Solution
Partner with us to design a state-of-the-art training center. Let's work together to equip your students and employees with the specific knowledge your industry demands.
Contact us today!

Training Systems & Kit

Hydraulics



Basic, Basic+

Manual / Solenoid operated on off DC Valves with Actuators – Cylinder & gear motor, Control valves like pressure relief, flow control & Accumulator, Accessories like hoses with QRC, pressure gauge, etc.,

Load Unit

Electric panel with relay, switch etc. & cables

Advance

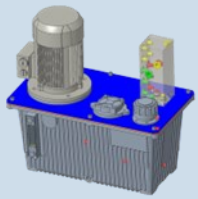
Additional Proportional Valve system with electronics.

Workstation

Ideal for 6-8 participants; both side.

Option 1: With standard Hydraulic Power Unit

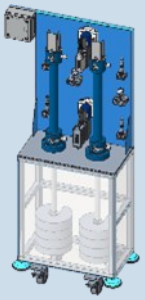
Option 2: With CytroPac, the energy efficient power



Professional

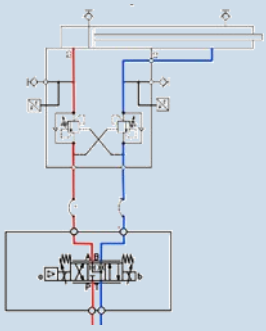
In addition to Advance set

- PLC & HMI Training Kit with Rexroth Advanced Controller.



- All Software Licenses, IoT Apps
- Digital and Analog IO Modules.
- 15'' HMI Panel for real time monitoring and controlling.

AoTK (Application oriented Training Kit)



Customized circuit and customer related components for learning key applications for industries like Steel, Cement, Energy

- Mobile Hydraulics Training Kit
- Steering System Training Kit

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Training Systems & Kit

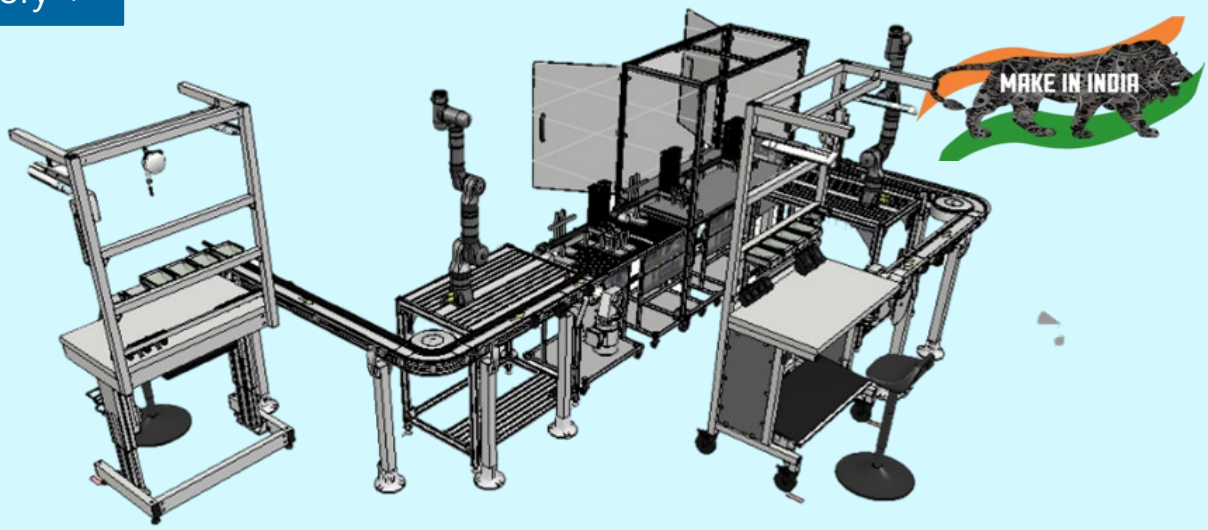
Automation

Mechatronics | PLC & IoT | Automation | Robotics | Elec. Drives

Conventional learning kit : individual technology

PLC + Drive + Sensorics + Cobot + HMI Scada + Mechatronics ++

Learn Factory +



Forget fragmented learning. Our Learn Factory+ provides a real factory working environment, enabling true synergy across technologies. This isn't just for teaching; it's a platform for research and industrial training, focusing on real-world process optimization like OEE and Industry 5.0.

Training Infrastructures

Ganga Hall

Sabarmati Hall

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Training Centers:

Bosch Rexroth (India) Private Limited
Sanand Viramgam Highway
Mouje Iyava, Taluka Sanand
District Ahmedabad - 382 170
INDIA

Bosch Rexroth (India) Private Limited
Survey No.26/2 & 27/2
Kenchenahalli Village
Kengeri Hobli; South Taluk
Bangalore– 560059
INDIA

Please send your enquiries to:

training.didactics@boschrexroth.co.in

Contact us:

Bosch Rexroth India (Pvt.) Ltd.

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District Ahmedabad - 382 170
INDIA

Version 01.2026

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