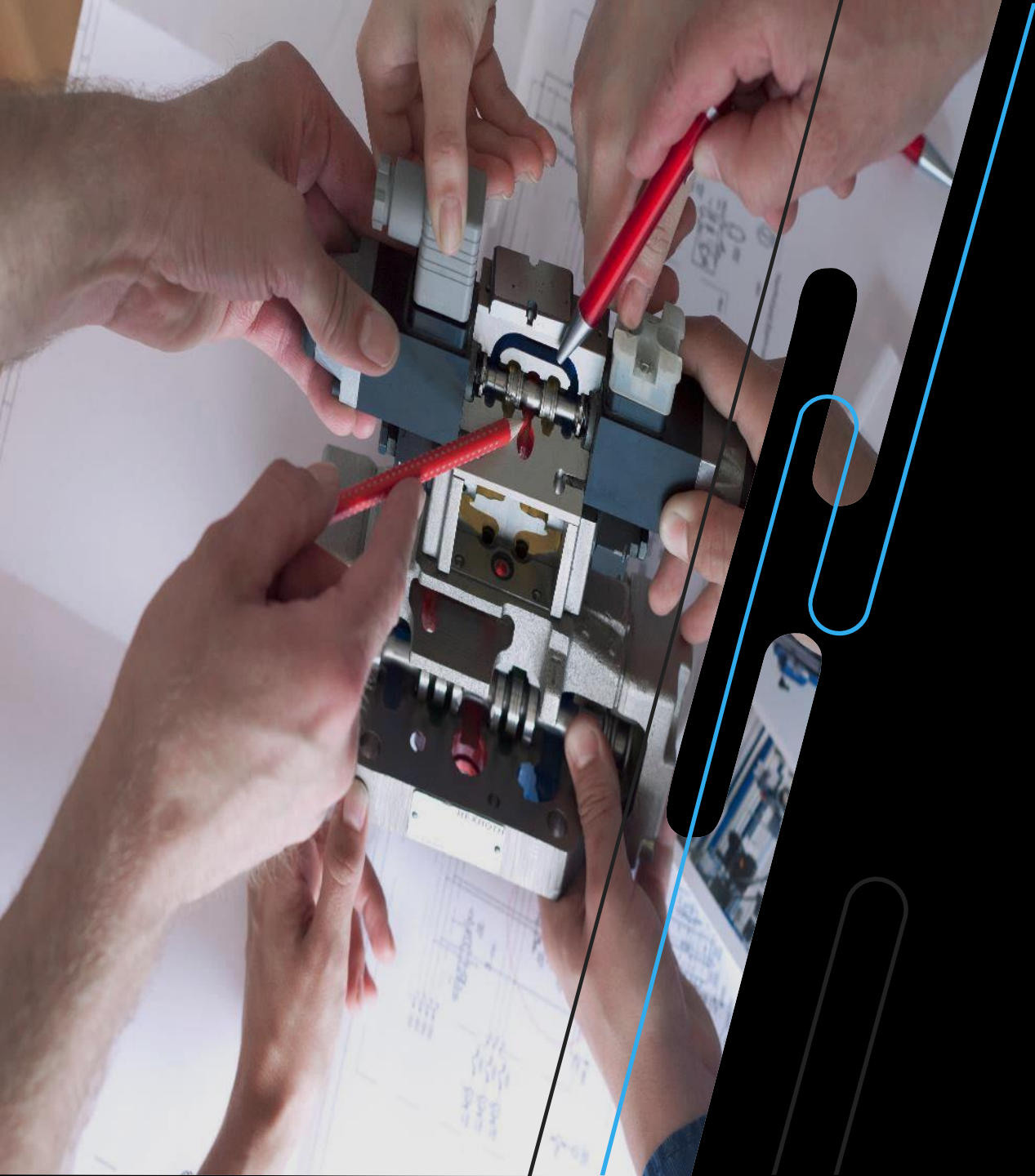




Training Calendar 2025

**The Drive & Control Academy
Bosch Rexroth (India) Pvt. Limited.**
www.boschrexroth.co.in



The Drive & Control Academy – India

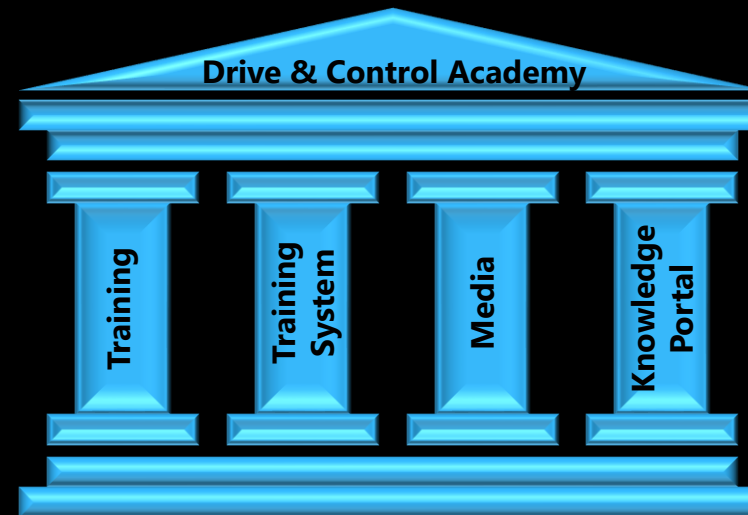
We make unique knowledge available

As a leading specialist in drive and control technology, Bosch Rexroth has unique technological know-how. We are happy to pass this knowledge on.

To trainees and students and to Industry experts and associates of our customers.

Expert knowledge and competence of the employees create a decisive advantage in global competition. With the Drive & Control Academy, we support customized basic and advanced trainings as well as qualification of technical experts. Practice-oriented, target group-specific and with latest methods.

The concept of the Drive & Control Academy is based on four columns of our knowledge transfer:





Journey towards Excellence 2024:

01

13100+

Man-hours of Training

02

950+

No. of Trainees

03

730+

No's of Trainees from Customers

04

22

Industries

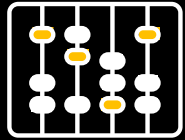
05

4.6/5.0

Overall Rating

Training | Proficiency Levels:

1. Foundation



For Freshers into Hydraulics.

Ideal for Shopfloor Technicians & Supervisors, Service Technicians & Supervisors, Fresh Engineers, Students, Experienced person in industry working for non-hydraulics job roles.

Courses at Ahmedabad Face-to-Face programs with Practical

2. Advanced

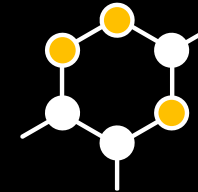


For 1-3 years experienced in Hydraulics or completed FOUNDATION courses.

Ideal for Shopfloor Technicians & Supervisors, Service Technicians & Supervisors, Fresh Engineers, Students, Experienced person in industry working for non-hydraulics job roles.

Courses at Ahmedabad Face-to-Face programs with Practical

3. Professional



For more than 3 years experienced in Hydraulics or completed ADVANCED & FOUNDATION courses.

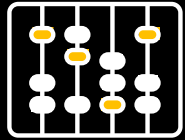
Shopfloor Technicians & Supervisors, Service Technicians & Supervisors, Fresh Engineers, Students, Experienced person in industry working for non-hydraulics job roles.

Courses at Ahmedabad Face-to-Face programs with Practical

- All courses are offered without Practical at customer premises or virtual for larger batch size on request.
- Industry-specific customized training courses are available onsite & offsite.

Training Courses:

1. Foundation



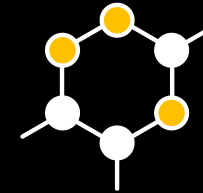
- a. Basic Hydraulics
- b. Basic Electronics for HY engineers

2. Advanced



- a. Open loop Hydraulics
- b. Closed loop Hydraulics
- c. Measurement and analysis; Commissioning & Trouble Shooting of Hydraulics in Industrial and Mobile Applications

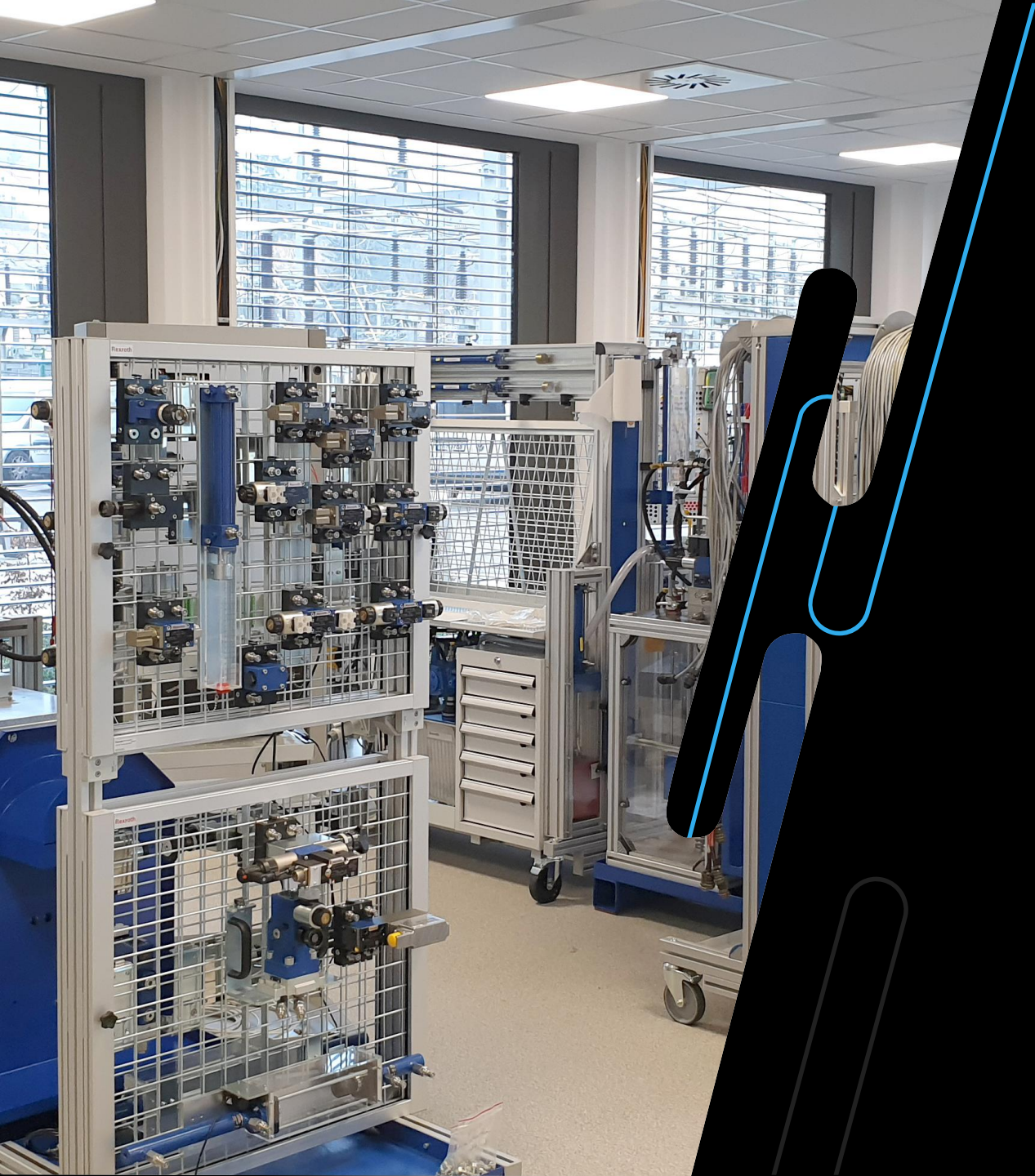
3. Professional



- a. Axial Piston Units - Pump & Motor
- b. Valve control technology incl. OC, LS, LUDV
- c. Servo & Proportional valve technology w/ Hydraulic axis controller

General Terms & Conditions:

- All prices stated are, unless indicated otherwise, final prices per person in Indian Rupees (INR) and are exclusive of GST applicable at the time. In case of larger batch size, contact Bosch Rexroth India for offer. GST is 18%, as on current Financial Year. HSN Code: 999293
- Payment Terms: 100% payment with GST in advance against Proforma Invoice.
- Bosch Rexroth Bank Details: Bank Name: Deutsche Bank, Account No.: 000-1859-00-1, RTGS / NEFT Code: DEUT0784BBY, Account Type: Cash Credit
- 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.
- On-site / Virtual Trainings will be planned on mutually agreed dates. General batch size: 12-18 participants
- 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 to conduct 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 customers 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



Proficiency Level: FOUNDATION

Courses for Freshers into Hydraulics.

Foundation:

1a. Basic Hydraulics

About the Program

From the function and the properties of components to the setup of hydraulic circuit diagrams – This training course covers basics that hydraulic engineers need to know.

This flagship training course is recommended for anybody who is intended to work independently in the field of hydraulics and further plans to attend advanced training courses.

Objective

Understanding Basic Hydraulic Principles | Understanding of HY products and solution | Reading and Interpreting Hydraulic Schematics | Identify basic level problems | Safety and Maintenance Practices | Able to work independently.

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 location]

Venue

Ahmedabad

Date

Feb 17 – 19, 2025

Apr 14 – 16, 2025

May 12 – 14, 2025

Jul 15 – 17, 2025

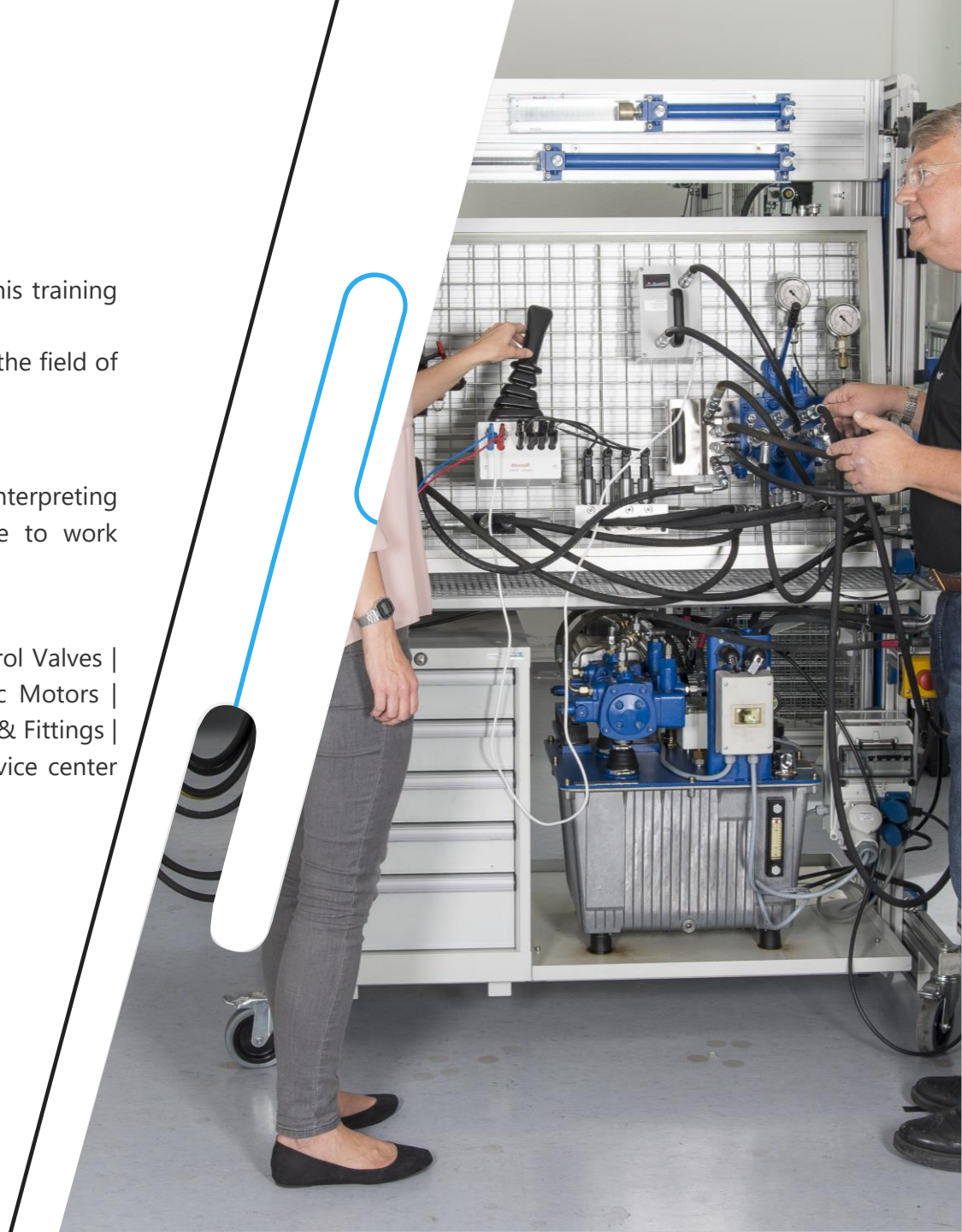
Aug 20 – 22, 2025

Nov 12 – 14, 2025

Dec 08 – 10, 2025

Fees

INR 25,000 per person



Foundation:

1b. Basic Electronics for Hydraulics Engineers

About the Program

Aim is to equip hydraulic engineers with essential knowledge and skills in electrical & electronics systems that is becoming more predominant in modern digital era.

This program aims to enhance understanding & develop working knowledge of electrical basics, circuits, sensors, actuators, and control systems that integrate with hydraulic systems. .

Objective

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.

Contents

Basic Principles (equate to fluid power analogies) | Electrical Symbols | Relays and Solenoids | Electronics components, its function | Control System | Power Supply | Motors & its control | Cables and Termination Methods | Basic Trouble shooting | Maintenance & Safety.

Venue

F2F: Ahmedabad
Virtual

Date

May 29 – 30, 2025
September 18-19, 2025

Fees

INR 15,000 per person





Proficiency Level: **ADVANCED**

Courses for 1-3 years of experienced engineers in field of Hydraulics or completed FOUNDATION courses.

Advanced:

2a. Open Loop Hydraulics

About the Program

This program covers the principles of open loop control, including the integration of other associated control valves. Aim to learn about system design, performance optimization, and diagnostics emphasizing practical experience and theoretical understanding to effectively manage open loop hydraulic systems used in various industrial and mobile applications.

Objective

Understanding of open loop hydraulic systems | Basic principles of different common controllers | Selection & Calculation | Commissioning | Maintenance & Safety

Contents

Principles of open-loop circuit design | Selection criteria for components | Flow and pressure control techniques | Different types of common controllers, its function and use | Designing for energy efficiency, reliability, and maintainability | Commissioning & optimization | Basic electronic controls integration with open-loop systems | Practical demonstration on Assembly, disassembly and calibration on the units with safety measures | Trouble shooting guide.

Venue

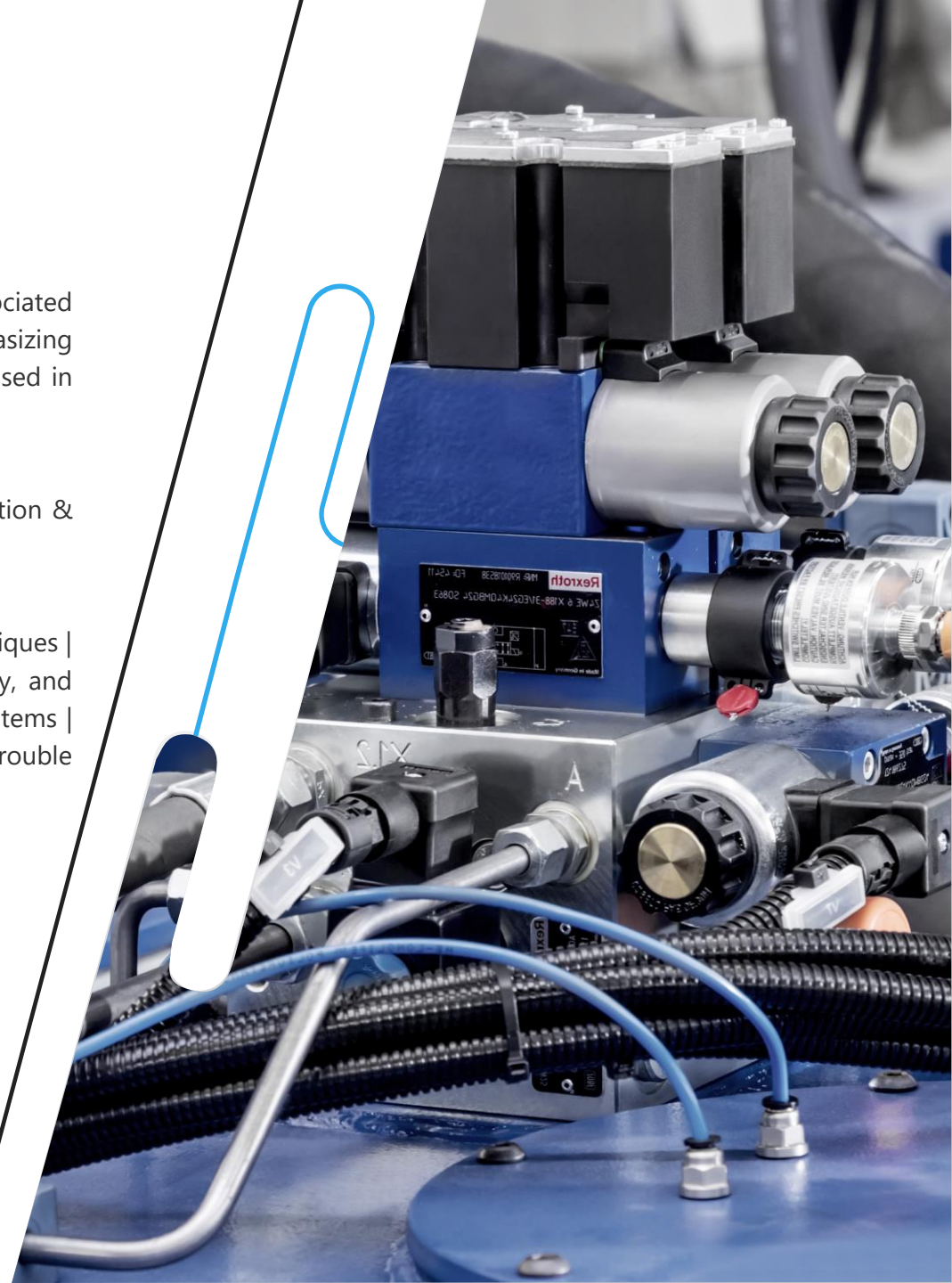
Ahmedabad

Date

Oct 07 – 08, 2025

Fees

INR 15,000 per person



Advanced:

2b. Closed Loop Hydraulics

About the Program

This program covers the principles of closed loop control, including the integration of hydraulic pumps, motors, and other associated control valves.

Aim to learn about system design, performance optimization, and diagnostics emphasizing practical experience and theoretical understanding to effectively manage closed loop hydraulic systems used in various industrial and mobile applications.

Objective

Understanding of closed-loop hydraulic systems | Basic principles of feedback control, different controllers | Selection & Calculation of Products | Calculation for travel and rotary drive closed loop system | Commissioning | Maintenance & Safety

Contents

Design, function, calculation & selection of 1. hydrostatic travel drive systems (A4VG/A10VG...DA; A6VM...DA/HA) and 2. hydrostatic rotary (Example: Winch & reclaimer bucket wheel) drives (A4VG...EP/HD; A6VM...EP/HD, A10VG) | Commissioning & optimization | Practical demonstration on Assembly, disassembly and calibration on the units with safety measures | Trouble shooting guide.

Venue

Ahmedabad

Date

Sep 22 – 23, 2025

Fees

INR 15,000 per person



Advanced:

2c. Measurement & Analysis

About the Program

In hydraulically controlled machines, machine parameters can hardly be measured without the use of appropriate measuring instruments.

Under the instruction of experienced service & Application personnel, you will independently carry out appropriate exercises as part of a small group.

Objective

Knowing how to routinely handle digital measuring instruments (Hydrotechnik Multisystem 5060/ 5080) | Being able to analyze errors in a targeted fashion based on the analysis of measurement results | Being able to evaluate the suitability of measuring technology for dynamic processes in hydraulic systems | Knowing how to document and optimize machine processes using the latest measuring technology

This course is tailored for Service, Commissioning, Application, Testing and Maintenance hydraulic engineers

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

Venue

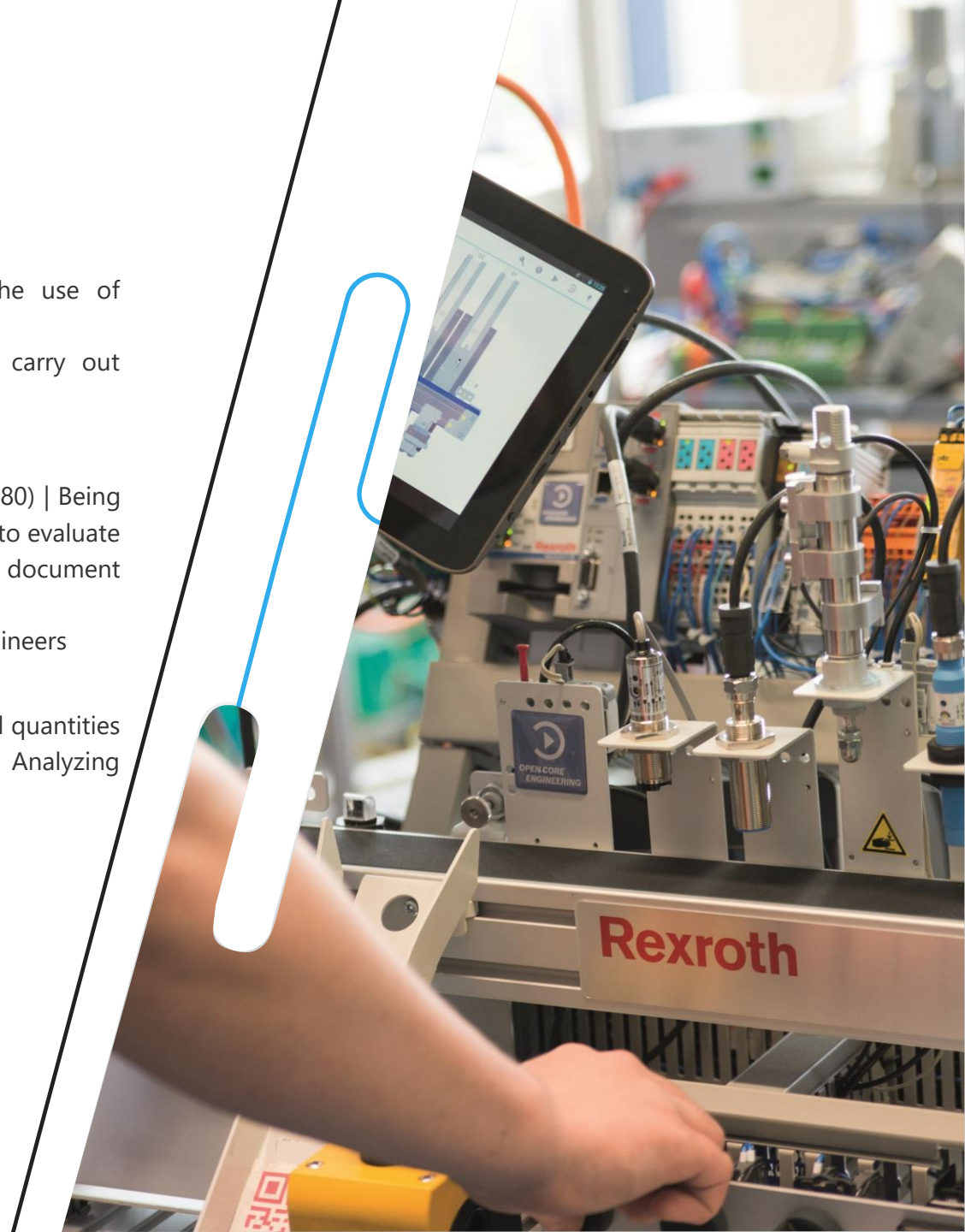
Ahmedabad

Date

Nov 17 – 18, 2025

Fees

INR 15,000 per person



A close-up photograph of electronic components on a circuit board, including a large cylindrical capacitor and a black integrated circuit. A stylized graphic of a paperclip, composed of a thick black line and a thin blue line, is positioned diagonally across the center of the image.

Proficiency Level: **PROFESSIONAL**

Courses for more than 3 years of experienced engineers in field of Hydraulics or completed ADVANCE courses.

Professional:

3a. Axial Piston Units, Pumps and Motors

About the Program

Axial piston pumps and motors are the key elements in modern hydraulics.

The flagship program aims to provide fundamental principles of axial piston pumps and motors, including their design, functionality, and applications in various hydraulic systems with comprehensive knowledge and skills related to operation, maintenance, and troubleshooting.

Objective

Understanding Axial Piston Units & their common controllers | Identifying & understanding functions of internal components and parts | Understanding Efficiency and Performance Optimization | Basic Maintenance and Troubleshooting

Contents

Product overview of axial piston units | Design, function and options for using axial piston units and their control program (primary focusing on A10V(S)O, A4VSO, A10VG, A4VG, A2FO/A2FM, A6VM) | Assembly, disassembly and calibration process | Commissioning & Optimization | Fault finding & analysis | Trouble shooting
With practical demonstrations, when the program is conducted at Bosch Rexroth India Ahmedabad location.

Venue

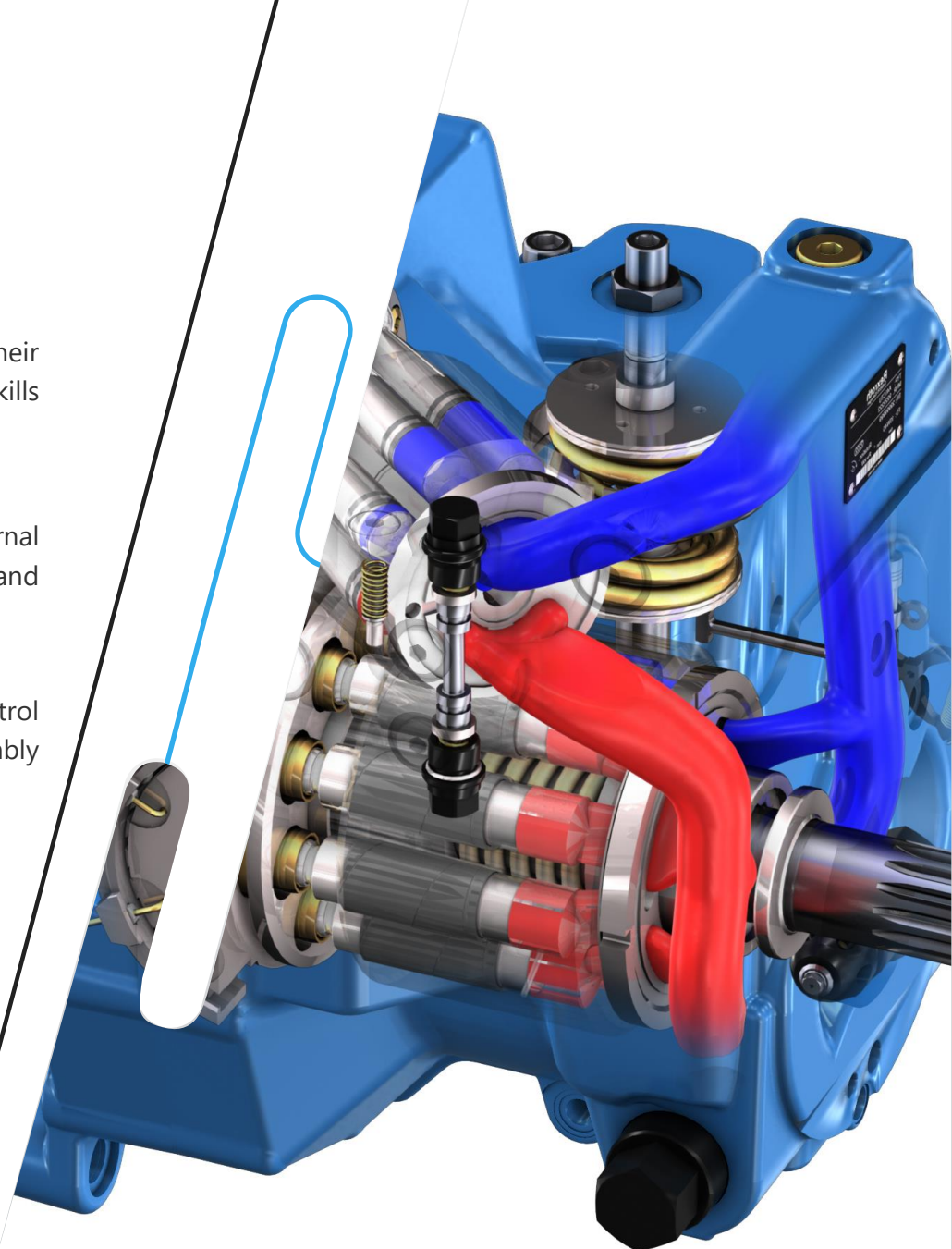
Ahmedabad

Date

July 24-25, 2025

Fees

INR 15,000 per person



Professional:

3b. Valve control technology incl. OC, LS, LUDV

About the Program

This is an optional training for the hydraulics engineers exclusively working on Mobile hydraulic equipment. However, with technology overlap, various valve controls are becoming more popular in industrial and marine applications as well. An overview will be helpful for optimizing an industrial applications.

Objective

Understanding valve control technology | Identifying & understating functions of Open center, Load sensing (LS) and Load independent flow sharing (LUDV) | Recognizing and correcting system and component faults | Practical tips for improving the efficiency of the systems | Identifying the advantages of multi-pump systems

Contents

Principle of OC, LS & LUDV | Load sensing control in open loop circuits | Combination of load sensing and LUDV controls | Determining power requirements in different systems | Application examples to describe selection | Commissioning and optimization

Venue

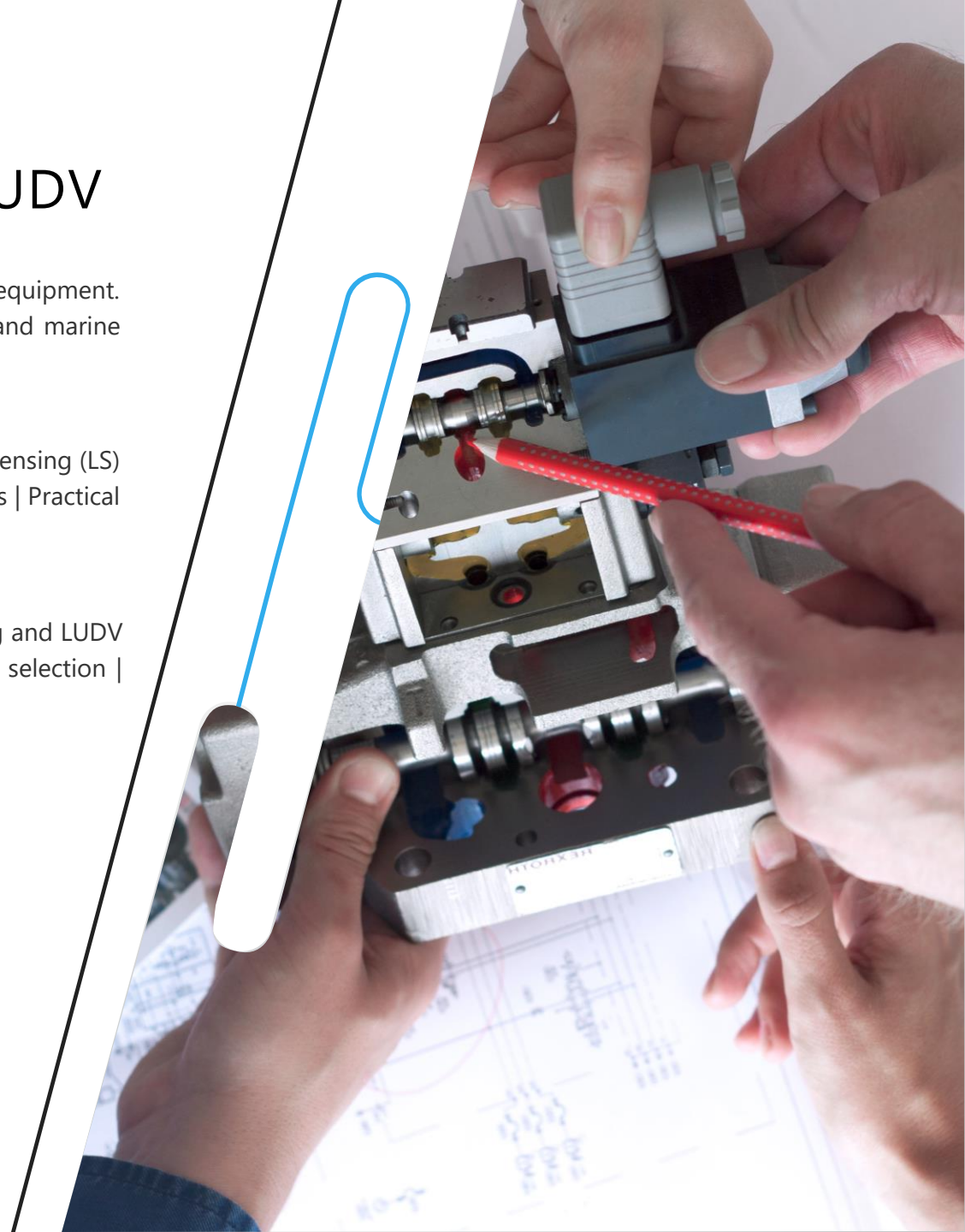
Virtual

Date

Mar 20, 2025

Fees

INR 7,500 per person



Professional:

3c. Servo & Proportional valve technology w/ Hydraulic axis controller

About the Program

Aim to equip participants with comprehensive knowledge and skills in advanced valve technologies used for precise fluid control in hydraulic systems, especially for Industrial applications. The program covers the principles and applications of servo and proportional valves, highlighting their role in regulating flow and pressure, continuously. Participants will learn about system integration, calibration, troubleshooting and maintenance techniques

Objective

Understanding and being able to apply the functionality and design of continuous control valves as well as their electronic controllers | Recognizing simple functional sequences | Realization of specified functional sequences | Understanding of Proportional and Servo technology | Designing a system with Servo and proportional valves | Testing and commissioning, trouble shooting of Servo & Proportional valves

Contents

Introduction to continuous control valve technology | Component technology (directional, pressure and flow control valves) with handling, operating behavior and configuring | Control units with continuous directional control valves | Analog and digital control electronics in theory and in practice | Practical test setup according to circuit diagrams worked out on the hydraulic training system | Note on sources of interference, troubleshooting and commissioning | Testing options | Introduction to servo valve technology

Venue

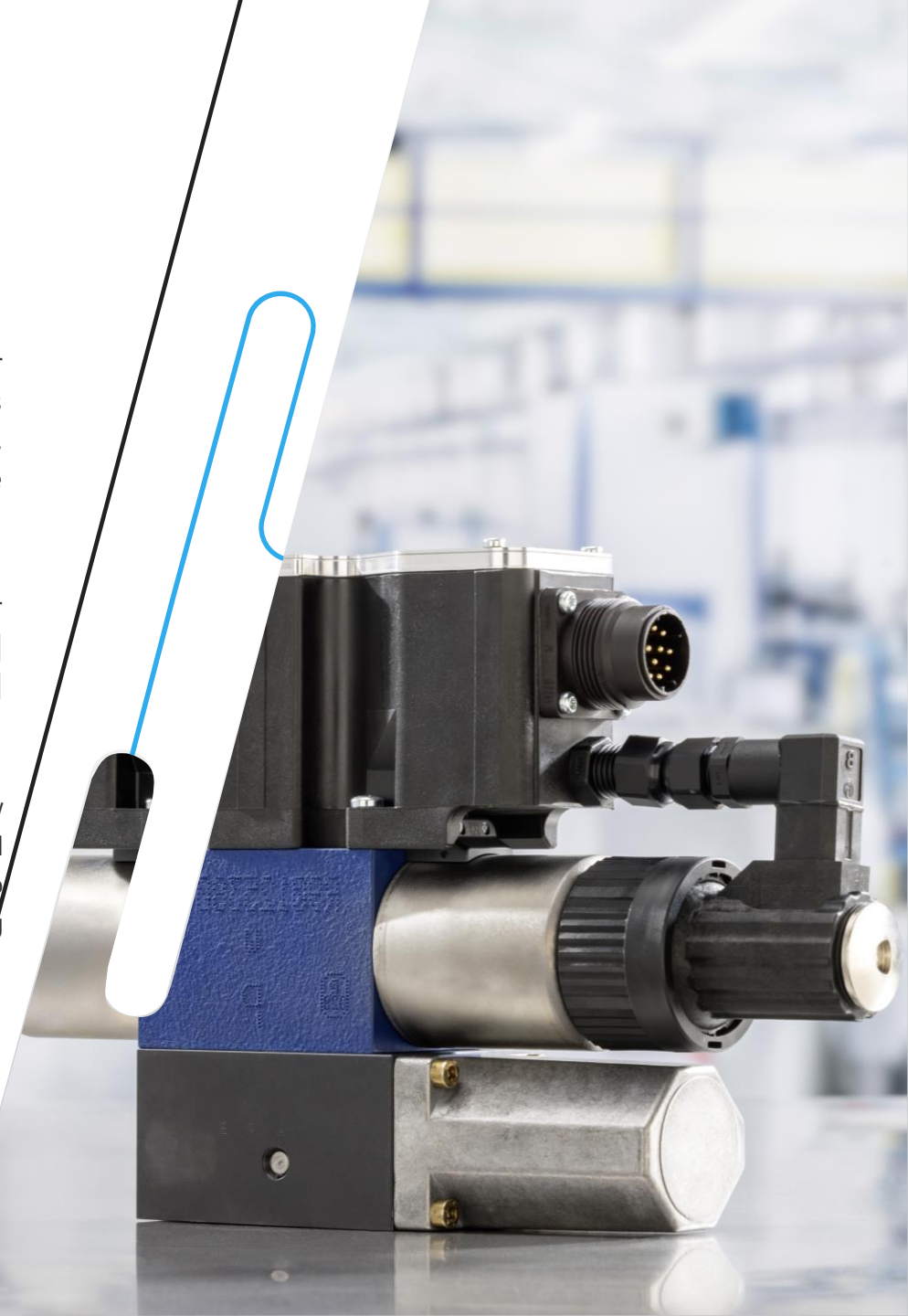
Ahmedabad

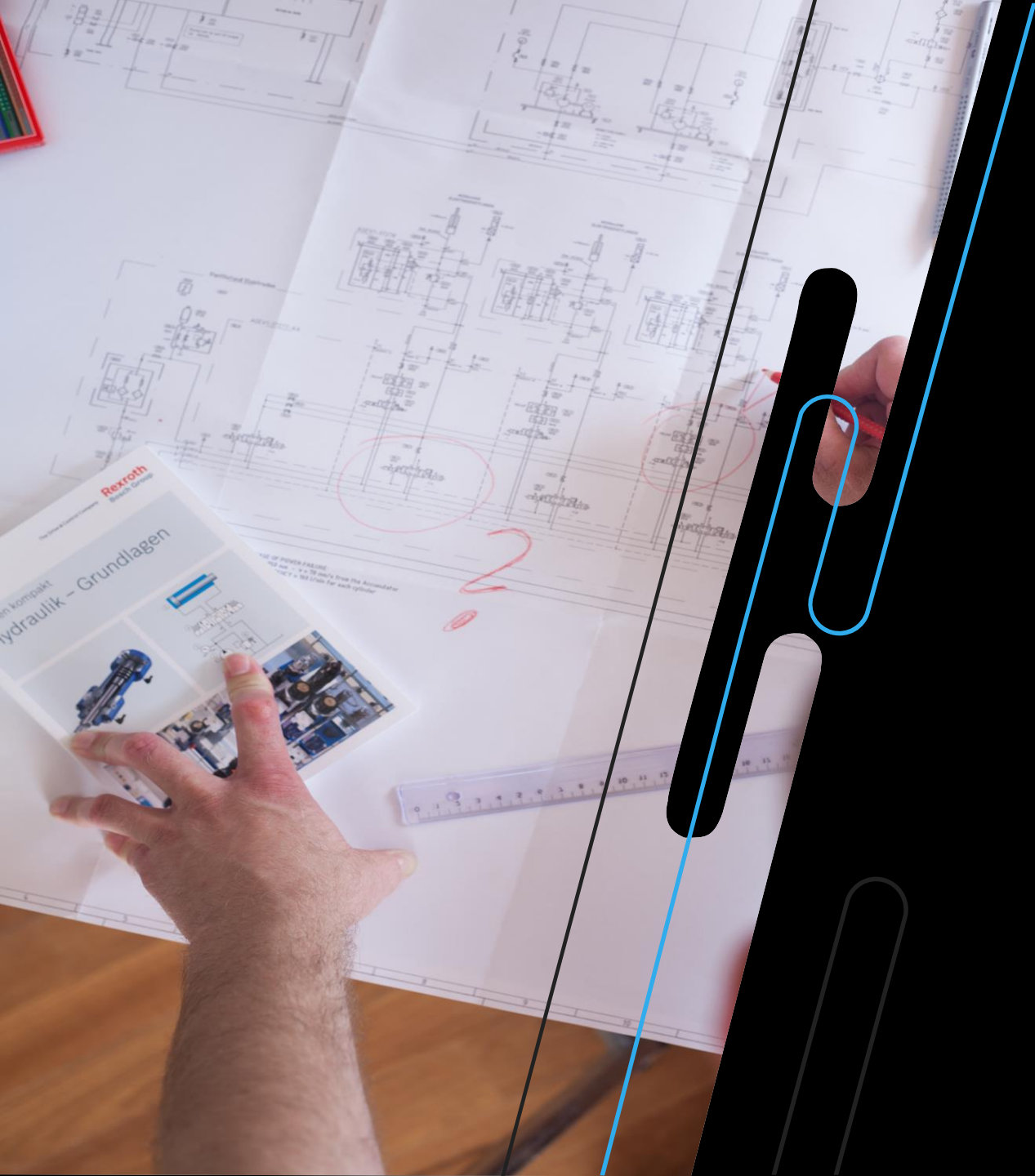
Date

Jun 09 – 11, 2025

Fees

INR 25,000 per person





Face To Face User specific Customized Solution

Customized Face-to-Face Training for the manufacturing and service industries is designed to address specific skills and challenges within each organization. This hands-on, personalized approach ensures employees receive targeted, relevant learning experiences. It empowers teams to improve efficiency, enhance productivity, and achieve operational excellence. The training is tailored to the unique needs of the industry, fostering sustainable growth and performance.

Customer Specific & request-based Sessions.



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)

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 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 in English:

(Hard copies; Prices are in INR)

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



Training Agreement:

Our Hydraulics experts bring a wealth of practical experience that complements theoretical knowledge, bridging the gap between classroom learning and workplace application.

Our customers may benefit from exposure to diverse perspectives, innovative techniques, and hands-on training for their associates, which accelerates their confidence in their professional areas.

For step-by-step holistic development of hydraulics skills for entire workforce, we offer to sign a training agreement / MoU.

Benefits,

- Training programs are tailored to suit your applications and are equipped with the latest trends, technologies, and best practices.
- Improves individual performance of associate and enhances overall organizational productivity and competitiveness.
- Structured skill development for entire workforce, no one is left out.
- Easy logistics and commercial working.

Talk to us!



Training Systems:

Technology at your fingertips:

Our workstations equipped with standard industrial components, allow you to gain practical experience as well as technical know-how combined with problem-solving and application-oriented expertise.

Bosch Rexroth's modular training systems are precisely tailored to the required qualification levels of industrial and educational institutions. Each training system consists of the workstation, the components contained in the device sets and the training content included in the exercises. The training systems provide both beginners and advanced trainees with practical knowledge in the fields of hydraulics, pneumatics and industrial automation.

Founded practice-oriented knowledge can be experienced through industrial serial components – with internationally standardized programming languages and open interfaces.

Talk to us! – for your customs-built training center setup for training of students and employees to built industry specific knowledge.

Training Systems

Hydraulics

- Industrial Hydraulics: On/Off & Proportional systems with Manual and Solenoid optd.
- Mobile Hydraulics.
- Steering System
- Application-oriented customized Training

Pneumatics

Electrical Drives

PLC & IoT

Sensorics

Mechatronics

Learn Factory +

Robotics



Training Venue:

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



Scan here for contact details