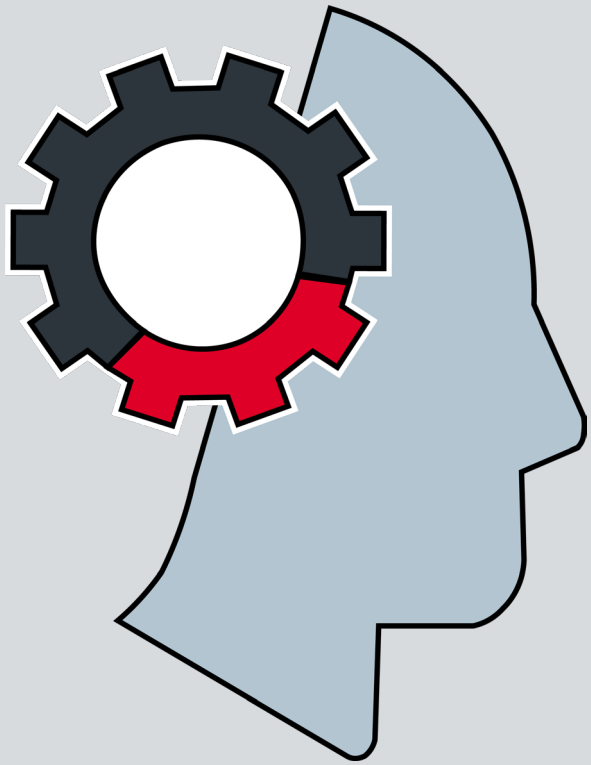
2025

SEW EURODRIVE



DRIVE ACADEMY®

COURSE TOPICS & INFORMATION

sew-eurodrive.com.au

CONTENTS

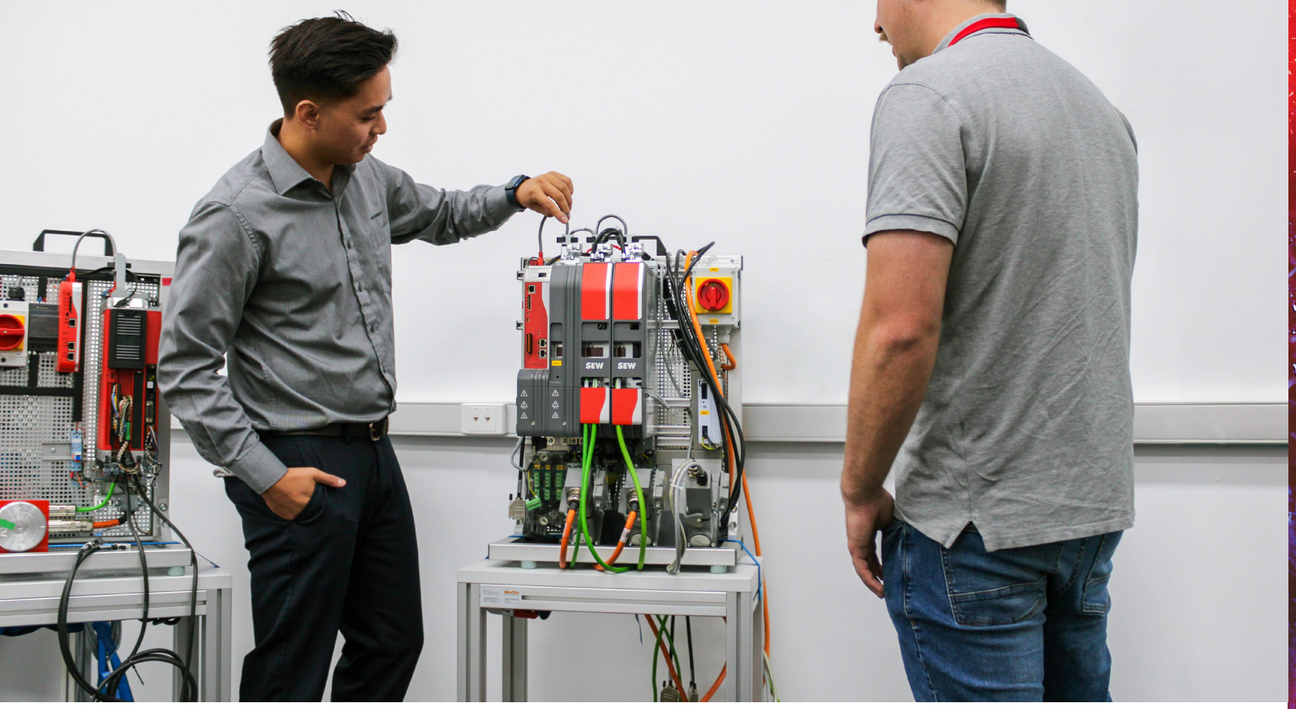
Scan the QR code to register interest via email:

Visit sew-eurodrive.com.au for further information about our course dates and content.

Optimum learning environment

The training courses at SEW-EURODRIVE's DriveAcademy® are ideally suited for hands-on experience. Multi-functional training models enable the participants to be optimally prepared for the tasks and problems they will encounter during their daily work, along with experimental facilities to help provide clarity to all questions in a practical way.

TRAINING SITES



Our place or yours?

Training Courses developed by SEW-EURODRIVE's DriveAcademy® are designed to enable your employees to get the best possible preparation for their day to day work. Our training includes many practical exercises in addition to the necessary theoretical fundamentals. You can choose the venue where training is held, whether it's on-site or at any of our DriveAcademy® centres across Australia.

More often than not, training takes place at SEW-EURODRIVE'S DriveAcademy® facility although, we can also hold training at your premises on request. Proximity to our customers is important to us. To avoid long journeys, we offer scheduled courses in; Melbourne, Sydney, Brisbane, Perth and Adelaide.

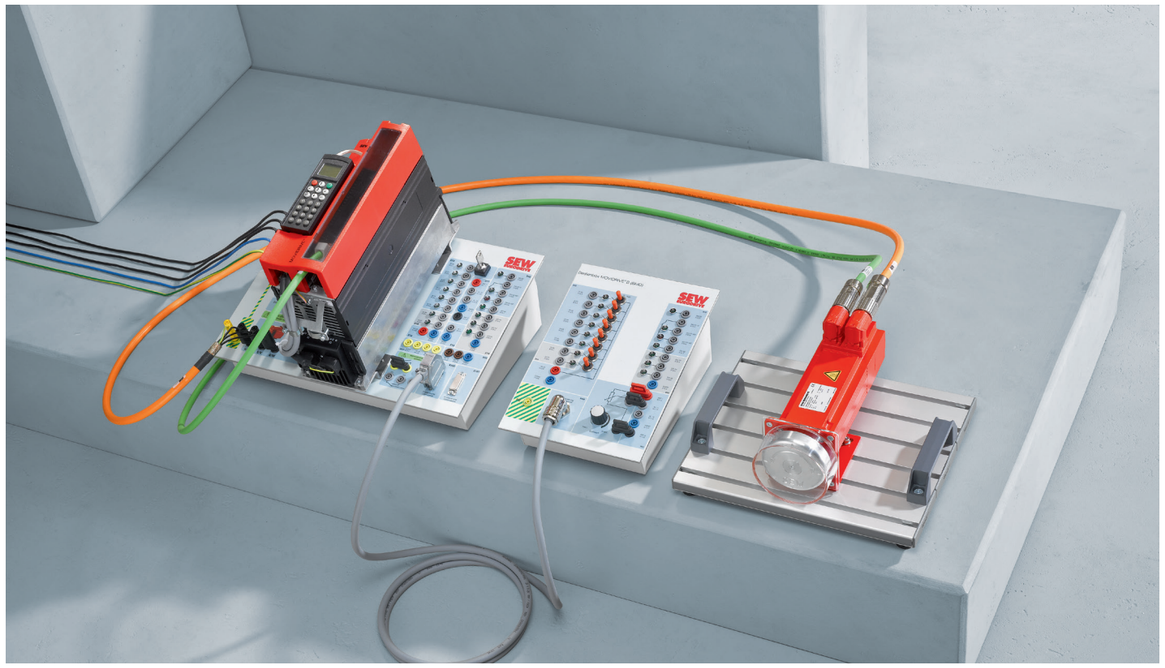
A training room will require the following:

- Sufficient room size for participants and training models
- Projector screen
- Depending on the demo units: 1x230V or 3x400V* according to AS/NZS 3000, 10A sockets are required
- Sufficient outlets for training models and laptops

For more information, contact our training team at:
drive.academy@sew-eurodrive.com.au

COURSES

MOVIDRIVE®



MOVIDRIVE® B

Maintenance and Troubleshooting* ***Duration: 1 Day***

TOPICS

- Overview of the basic technical data for MOVIDRIVE® B
- Wiring and start-up of MOVIDRIVE® B
- Using SEW software packages for motor start-up, basic parameter settings
- Data back-ups

LEARNING GOALS

- Learn the technical data for MOVIDRIVE® B
- Use MOTIONSTUDIO and MT Manager to communicate with MOVIDRIVE® B
- Start-up a motor in the VFC, CFC and Servo operating modes
- Save data with PC and keypad and upload it to the inverter
- Understand the tasks required for troubleshooting basic faults for all key components of a drive system – inverter, motor, brakes, encoders, application

TARGET GROUPS

Maintenance staff, engineers or electricians who operate the inverter.

***Course available on request. Please contact our team for more information.**

MOVIDRIVE®

MOVIDRIVE® B

Operation, Start-up & Troubleshooting ***Duration: 2 Days***

TOPICS

- Basic technical data for MOVIDRIVE® B
- Wiring and start-up of MOVIDRIVE® B
- Commissioning inverters via SEW software packages
- Start-up of different operating modes for motor control
- Data backup with PC and keypad
- Key parameter settings
- Using DBG60B keypad
- Extensive fault diagnostics with key drive & application faults, steps to prevent faults and procedures for troubleshooting, analysis and rectification of faults including all key components of the drive system
- Using SCOPE to record data channels
- Introduction to Application Modules

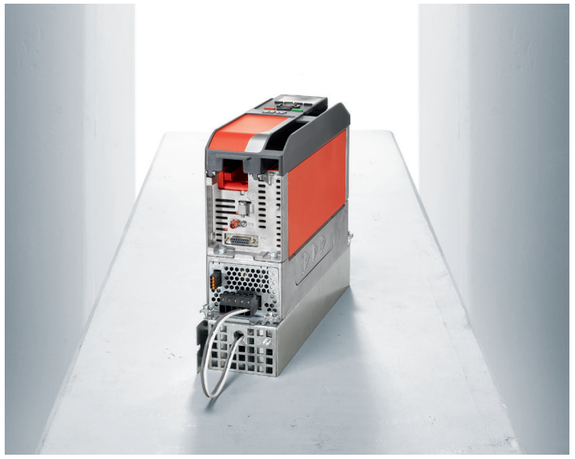
LEARNING GOALS

- Learn the technical data for the MOVIDRIVE® B
- Use MOTIONSTUDIO and MT Manager to communicate with MOVIDRIVE® B
- Start-up a motor in the start-up a motor in VFC, CFC and servo operating modes
- Save data with PC and keypad and upload it to the inverter
- Understand the tasks required for troubleshooting faults for all key components of a drive system – inverter, motor, brakes, encoders, application
- Control the inverter via fieldbus

TARGET GROUPS

Employees who work extensively with the inverter i.e. maintenance staff/engineers and electricians.

MOVIDRIVE®



MOVIDRIVE® technology

Commissioning & Programming ***Duration: 1 Day***

TOPICS

- Basic technical data for MOVIDRIVE® technology
- Wiring and start-up of MOVIDRIVE® technology
- Commissioning inverters via MOVISUITE
- Start-up of different operating modes for motor control
- Data backup with PC and keypad
- Key parameter settings
- Using CBG..A keypad
- SEW fieldbus profile
- Introduction to MOVIKIT
- Fault diagnostics with the SCOPE tool

LEARNING GOALS

- Understand the technical data for MOVIDRIVE® technology
- Establish communication with MOVIDRIVE® technology using MOVISUITE
- Complete start-up of drive train for asynchronous and servomotor using MOVISUITE
- Successfully tune the drives using the MOVISUITE software and Scope tool
- Save data with PC and keypad and upload it to the inverter
- Control inverter via fieldbus
- Comprehend Function Control Block (FCB) concept and how it is utilised
- Start-up with MOVIKIT

TARGET GROUPS

Maintenance staff, engineers, or electricians who operate the inverter.

MOVIDRIVE®

MOVIDRIVE® modular/system

Commissioning & Programming ***Duration: 1 Day***

TOPICS

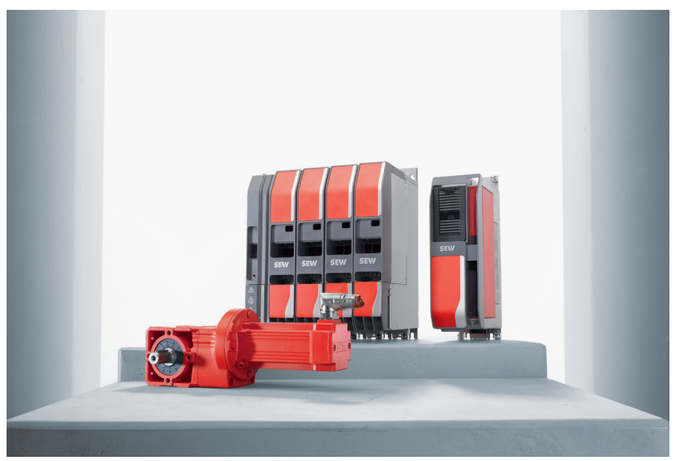
- Basic technical data for MOVIDRIVE® modular/system
- Wiring and start-up of MOVIDRIVE® modular/system
- Commissioning inverters via MOVISUITE
- Start-up of different operating modes for motor control
- Data backup with PC and keypad
- Key parameter settings
- Using CBG..A keypad
- SEW motion controller
- Introduction to MOVIKIT and MOVIRUN smart
- Fault diagnostics with the SCOPE tool

LEARNING GOALS

- Understand the technical data for MOVIDRIVE® modular/system
- Establish communication with MOVIDRIVE® modular/system using MOVISUITE
- Complete start-up of drive train for asynchronous and servomotor using MOVISUITE
- Successfully tune the drives using the MOVISUITE software and SCOPE tool
- Save data with PC and keypad and upload it to the inverter
- Control inverter via controller
- Comprehend Function Control Block (FCB) concept and how it's utilised
- Start-up with MOVIKIT

TARGET GROUPS:

Maintenance staff, engineers, or electricians who operate the inverter.



MOVITRAC®

MOVITRAC® B

Commissioning & Maintenance ***Duration: 1 Day***

TOPICS

- Basic properties and technical data for MOVITRAC® B
- Wiring and start-up of MOVITRAC® B
- Commissioning of inverters via FBG Keypad & SEW software
- Data backup with PC and keypad
- Fault diagnostics with SCOPE function
- SEW fieldbus profile with EtherNet/IP, EtherCAT or PROFIBUS

LEARNING GOALS

- Know the technical data for the MOVITRAC® B
- Use the integrated operating panel & MOVITOOLS® MotionStudio to upload, download, perform motor start-ups and set parameters
- Understand the tasks required for troubleshooting faults for all key components of a drive system – inverter, motor, brakes, application
- Control the inverter via fieldbus

TARGET GROUP

Maintenance staff, engineers, or electricians who operate the inverter.

MOVITRAC®

MOVITRAC® advanced

Commissioning & Programming* ***Duration: 1 Day***

TOPICS

- Basic technical data for MOVITRAC® advanced
- Wiring and startup of MOVITRAC® advanced
- Commissioning inverters via MOVISUITE
- Start-up of different operating modes for motor control
- Data backup with PC and keypad
- Key parameter settings
- Using CBG..A keypad
- SEW fieldbus profile
- Introduction to MOVIKIT
- SCOPE tool*

LEARNING GOALS

- Understand the technical data for MOVITRAC® advanced
- Establish communication with MOVITRAC® advanced using MOVISUITE
- Complete start-up of drive train for asynchronous and servomotors using MOVISUITE
- Successfully tune the drives using the MOVISUITE software and Scope tool
- Save data with PC and keypad and upload it to the inverter
- Control inverter via fieldbus
- Comprehend Function Control Block (FCB) concept and how it's utilised
- Start-up with MOVIKIT

TARGET GROUPS:

Employees who work extensively with the inverter as maintenance staff/engineers/electricians.

***Course available on request. Please contact our team for more information.**

DECENTRALISED DRIVE SYSTEMS

Decentralised MOVI-C®

Commissioning & Programming ***Duration: 1 Day***

TOPICS

- Basic technical data for a specific decentralised unit in the MOVI-C® portfolio
- Wiring for a specific decentralised unit in the MOVI-C® portfolio
- Data backup with PC and keypad
- Key parameter settings
- Using CBG..A keypad
- SEW fieldbus profile
- Introduction to MOVIKIT

LEARNING GOALS

- Understand the technical data for MOVIGEAR® performance and/or classic
- Understand the technical data for MOVIMOT® advanced and/or performance
- Establish communication with the listed decentralised product above in the MOVI-C® portfolio using MOVISUITE
- Complete start-up of drive train using MOVISUITE
- Successfully tune the drives using the MOVISUITE software and SCOPE tool
- Save data with PC and keypad and upload it to the inverter
- Control inverter via fieldbus
- Comprehend Function Control Block (FCB) concept and how it's utilised
- Start-up with MOVIKIT

TARGET GROUPS:

Maintenance staff, engineers, or electricians who operate the inverter.

OTHER

PROJECT PLANNING OF SEW GEARMOTORS*

Duration: 2 Days

TOPICS

- Overview of relevant project planning documentation & steps required for project planning for both controlled and uncontrolled applications
- Examples of calculation of thermal utilisation based on starting frequency and thermal characteristic
- Calculation of chain conveyor by hand
- Using workbench to calculate other applications (hoists, travel drives).

LEARNING GOALS

- Understand the basics of controlled and uncontrolled project planning including requirements for typical applications
- Be able to select drives and drive components using the catalogue (manually and electronically)
- Understand the user interface and the operation of SEW Workbench
- Understand the procedure of selecting a drive with workbench, from starting the project planning tool to assembling a complete package

TARGET GROUPS:

Employees who are involved with the selection process of geared motors for applications.

***Course available on request. Please contact our team for more information.**

COURSE TERMS & CONDITIONS

Registration
We request early registration in writing. The sales and delivery terms and conditions of SEW-EURODRIVE Pty Ltd are bindingly accepted upon registration.

Cancellation
Cancellation must occur in writing. Cancellation of a confirmed registration can occur free of charge up to 4 weeks before the start of the training. 50% of the participation fee may be invoiced where cancellation occurs a week before the start of the training.

Training Contents
Training course
Training documentation
Lunch, snacks and drinks

Fee*
The training fee is listed on our website. This must be paid once the invoice has been received. SEW-EURODRIVE's general delivery business terms and conditions apply to the payment of the seminar fee.
*Costs per training and per participant plus GST.

Discounts
We offer special discounts for group enrollments. Please get in touch with your local Sales Representative for further information.

Places of Jurisdiction
The place of jurisdiction is Melbourne.

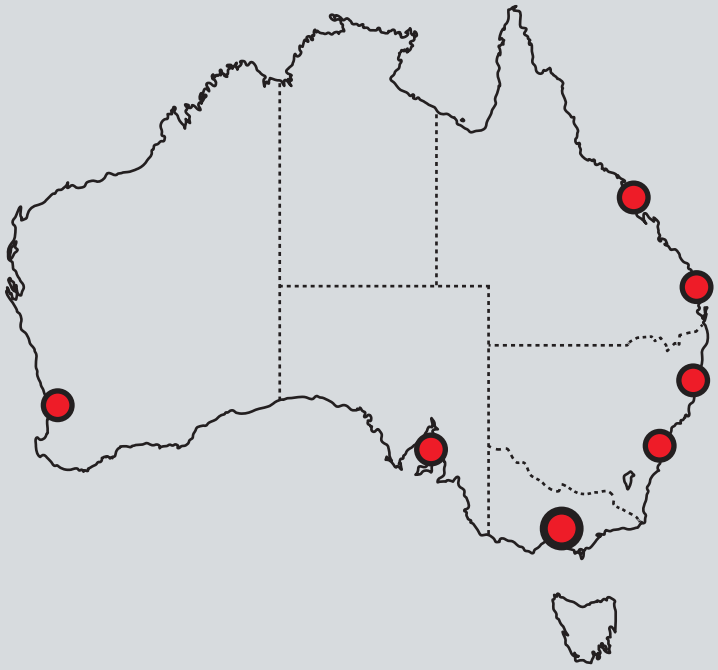
Subject to Change
We reserve the right to make the following changes:
Training cancellations; claims for compensation or cancellation damages may not arise there from. Adjustment of training content in line with the current state of the art, without prior notification. In individual cases, this may lead to differences from the training descriptions.

Information
Training times: The last training day ends early at 4:30pm
1 day 8:30-4:30pm
2 days+ 8:30-4:30pm

Safety Regulations
Training participants agree to adhere, particularly during the practice exercises, the safety and accident prevention regulations in force on the SEW-EURODRIVE operation premises. In the case of training on-site with the customer, participants will adhere to the customer specific safety and accident prevention regulations. Furthermore, the on-site safety briefing instructions are to be followed.

Copyright
The reproduction of course documents for unauthorised use as well as the distribution, exploitation and communication of their content to the third parties is not allowed. The software provided by SEW-EURODRIVE during training for the purpose of exercises may not be removed, or copied in part or whole, or used in any other, unauthorised way.

Exclusion of Liability
Technical information in the training and training documents are provided by us to the best of our knowledge. However, we do not assume liability for any mistakes in the technical information imparted verbally or in writing in the training or contained in the training documents provided. Equally, we cannot accept liability for any damage and follow-on damage resulting from mistakes. This exclusion of liability does not apply in cases of compulsory liability for intent or gross negligence.



DRIVE ACADEMY®

Company Background

The SEW-EURODRIVE group is a global designer and developer of mechatronic transmission systems and motor control electronics, headquartered in Bruchsal, Germany. Its broad spectrum of integrated solutions includes geared motors and gear units, high torque industrial gear units, high-efficiency motors, electronic frequency inverters and servo drive systems, decentralised drive systems, plus engineered solutions and after-sales technical support/training.

The Australian division of SEW-EURODRIVE is headquartered in Melbourne and is supported by a network of offices in Sydney, Brisbane, Mackay, Perth, Adelaide and Newcastle. A comprehensive service and technical support centre is located in Melbourne, and complemented by assembly facilities in both Melbourne and Sydney. The company's customer base includes large-scale corporations and smaller entrepreneurial enterprises across Australia.

Technical Enquiries
SEW-EURODRIVE Pty Ltd
27 Beverage Drive
(PO Box 59)
Tullamarine, VIC 3043

Media Enquiries
SEW-EURODRIVE Pty Ltd
27 Beverage Drive
(PO Box 59)
Tullamarine, VIC 3043

SEW-EURODRIVE Pty Ltd
27 Beverage Drive (PO Box 59)
Tullamarine VIC 3043
Phone: (03) 9933 1000
drive.academy@sew-eurodrive.com.au

Service and Support
Emergency Contact
Phone: 1300 363 432

Marketing Department
Phone: (03) 9933 1000
marketing.au@sew-eurodrive.com.au

sew-eurodrive.com.au

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