Interactive document

Eplan Training Academy
Learning from the Original

Eplan Training catalogue



Knowledge that brings you further.

Eplan training courses offer you the opportunity to gain practical knowledge that will benefit you immediately and over the long term.

We want our users to not just be well versed in the software, but excellently trained. Those who master Eplan work more efficiently, more securely and more future-oriented – and aside from this, they also enjoy their work more. With the right expertise, even complex tasks become easier and work becomes a source of enthusiasm.

Be one of more than 14,000 specialists that train with us every year in this field – and take your engineering skills to the next level.

Learn from the original. Learn with Eplan.



Certified by the TÜV NORD CERT GmbH ISO 9001

Why Eplan Training Courses are the right choice for you

More than just training – you're investing in quality and a secure future.

Manufacture know-how & a secure future

Our training courses mean you benefit from **first-hand knowledge**. The training materials already take future developments into account, meaning that you're **always a step ahead** of the competition.

Experience that builds trust

With **more than forty years** of experience and around **14,000 participants trained** annually, we are the most experienced provider around the world. Our ratings speak for themselves: our customers give us between four and five stars.

Practical relevance & ultimate usability

Our training courses don't just teach theory – you learn how to use your knowledge directly in **actual projects** and **in your specific industries.**

Flexible, modular structure

Our training courses systematically build on one another. Whether you're just getting started or are already a professional, you will find the right level with us. This allows you to develop your knowledge **step by step** and work at exactly the **tempo that works best for you.**

Needs-oriented & customised

We offer our training courses **at several locations in Germany and worldwide**, **not to mention online.** These courses are generally standardised, yet our experts are experienced in customising them to the specific requirements for you and your projects. For companies, we can also develop programmes from A to Z that are precisely fitted to your needs.

Guaranteed high quality

Our training courses are characterised by their high quality as regards the instructors, teaching materials and contents. Small groups with a maximum of twelve participants ensure **individual support**. Our instructors are trained **in-house** and gain an advantage in expertise that only we can offer.

Long-term benefits

Access to exclusive materials, support and testing environments as well as comprehensive training materials in many languages.

100% satisfaction guarantee

If you are ever dissatisfied with your training results, we will gladly invite you to a second training session free of charge.

Types of Training

Onsite or online





Online Training Courses

Convenient, flexible, digital: we’re also pleased to offer our training courses online. You can participate in the courses from your home office or your workplace. We provide you with the complete Eplan system environment, including a preliminary technical verification, so that all you will need is a computer with internet access. This allows you to plan your schedule accordingly and eliminates unnecessary travel expenses.

Onsite training courses at the Eplan Training Academy

Close, personal, focused: immerse yourself into the world of Eplan and take advantage of direct exchanges with experienced instructors. You can ask specific questions in productive learning surroundings and have at your disposal the entire Eplan system environment. Thanks to our extensive network of locations, we’re also somewhere near you. The intensive contact with instructors and other course participants promotes individual learning success and opens up additional networking possibilities for you, not to mention the ability to share knowledge and experience.

All-in-company – customised training package for companies

Take advantage of the flexible course offerings of the Eplan Training Academy to enable your employees to become qualified professionals. You receive from us a cost-efficient contingent of seminar training days that you can flexibly schedule for different employees within twelve months. The individual courses can be booked for attendance in our training centres or online as needed. We are more than happy to customise the training contents to your company’s specific requirements.

Our Training highlights



Eplan Training Unlimited

Eplan training courses, peak flexibility: boost your teams’ individual expertise



What is Eplan Training Unlimited?

With Eplan Training Unlimited, you have access to the full range of courses offered by the Eplan Training Academy. In addition, there are flexible online focus sessions, held three times a week for 4 hours each, which are exclusively for Training Unlimited users.

Choose the package that suits your needs:

- Class Pass with 12 months' full access for up to 10 team members
- All-In Company with 10 or 20 training days for any number of employe

For employees

Continuously deepen your Eplan knowledge with regular training courses and focus sessions. Book exactly the topics that are relevant to your own role, whenever you want.

For decision-makers

You provide a training budget; employees decide which courses to attend. Employee development is managed independently – with no red tape involved.



Two booking models, complete flexibility

Choose the model that suits your team structure and your training needs.

Class Pass

The intensive model

Up to 10 employees receive 12 months’ full access to all training courses and exclusive sessions. Ideal if you have a specific team that needs to gain in-depth knowledge of Eplan.

- Max. 10 participants
- 12-month term
- All training courses + focus sessions





All-In Company

The flexible model

Your company receives a daily quota that any number of employees can use. Perfect for large teams looking for flexible training.

- Unlimited number of participants
- 10 or 20-day quota
- All training courses + focus sessions

Eplan Certified Engineer

Expertise that sets you apart.

EPLAN
CERTIFIED
ENGINEER

EPLAN
CERTIFIED
ENGINEER

Expertise that sets you apart.

With the ‘Eplan Certified Engineer’ (ECE) qualification, you can demonstrate your advanced knowledge of Eplan software. Our certification programme combines various training courses for qualified engineering.

The combination offers a learning environment that is optimally adapted to practical use in companies. Structured around real tasks, industry-specific requirements and typical workflows.

Companies benefit from clearly structured competence levels, which enable Eplan users to develop their expertise in a targeted manner. The multi-level ECE programme provides practical, tailor-made certifications for various role requirements.



Key-User Level

Eplan Certified Engineer Silver Certification

Specialist Level

Electrical Design & Automation
Eplan Certified Engineer Gold-Certification

Digital Twin
Eplan Certified Engineer Gold-Certification

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



EPLAN
CERTIFIED
ENGINEER

Silver-Certificate Key-User Level

Become a certified Eplan key user – with our internationally recognised qualification programme. Develop your skills with the Silver certification to become a confident user.

What you will learn:

- Developing strong Eplan skills to optimise design processes
- Applying proven methods for project organisation, compliance with standards and data quality
- Handling circuit diagrams, article data, evaluations and standards with confidence
- Developing practical knowledge that can be applied company-wide

Examination
2 days

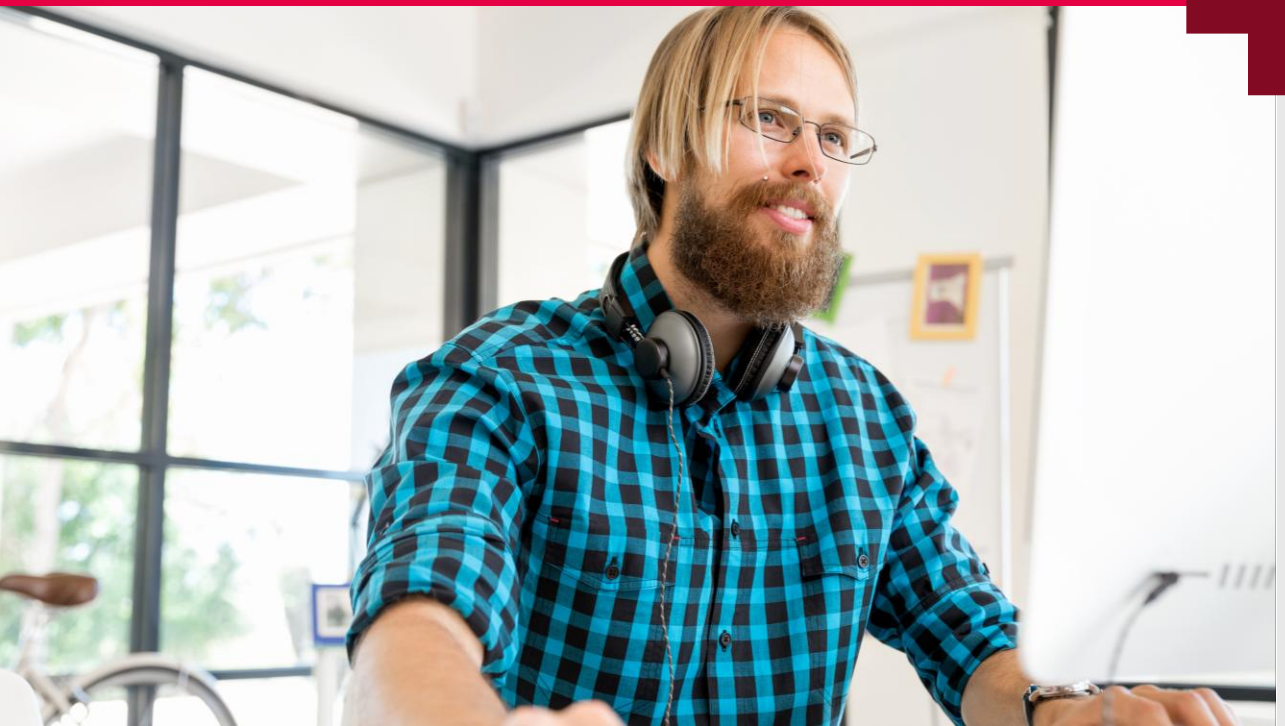
PLC and BUS Systems
2 days

Articles and Master Data
2 days

Electrical Design Extension
3 days

Electrical Design Essentials or Electrical Design Refresh
5 days

Eplan Silver Certification: 14 days



What you bring to the table:

- There are no prerequisites for this training course.

Who benefits from this course?

- All Eplan users who want to learn how to use the software professionally, as well as companies that want to bring engineering expertise in-house.

Format:

Onsite or online
(depending to local availability)

Further information and registration at:

E-mail: training@eplan.de
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EPLAN
CERTIFIED
ENGINEER

Gold-Certificate Electrical Design & Automation Specialist Level

Become a certified specialist – with our internationally recognised qualification programme. Achieve the gold standard by specialising in electrical design & automation and the digital twin.

What you will learn:

- Advanced electrical engineering processes
- Methods for standardising and automating design processes
- Optimisation of global workflows and the documentation quality

Practical Training inc. Examination
5 days

Scripting and Automation
2 days

Automated Electrical Design Extension
5 days

Eplan Gold Certification in Electrical Design & Automation: 12 days



What you bring to the table:

- A completed Eplan Certified Engineer Silver Certification

Who benefits from this course?

- All key users of Eplan who wish to deepen their knowledge in the field of electrical design and automation or in the use of Eplan Pro Panel.

Format:

Onsite or online
(depending to local availability)

Further information and registration at:

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Home // Eplan Training Academy

EPLAN
CERTIFIED
ENGINEER

Gold-Certificate
Digital Twin Specialist Level

Become a certified specialist – with our internationally recognised qualification programme. Achieve the gold standard by specialising in electrical design & automation and the digital twin.

What you will learn:

- Establishing digital consistency from engineering to operation
- Creation, maintenance and quality management of product- and plant-specific digital twins
- Use of modern engineering methods and data-driven processes

Practical Training inc. Examination
5 days

3D Panel Design Extension
3 days

3D Panel Design Essentials
4 days

Eplan Gold Certification in Digital Twin: 12 days



What you bring to the table:

- A completed Eplan Certified Engineer Silver Certification

Who benefits from this course?

- All key users of Eplan who wish to deepen their knowledge in the field of electrical design and automation or in the use of Eplan Pro Panel.

Format:

Onsite or online
(depending to local availability)

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Eplan Training Academy

Electrical Design Refresh

Update your knowledge of how Eplan Electric P8 works. Become familiar with the user interface and the numerous new functions that ideally support you when creating and providing documentation.

Deepen your detailed knowledge and acquire comprehensive expertise for using the software to efficiently generate the needed documentation.



What you will learn:

- Introduction to the current Eplan user interface
- Optimal use of navigators and information during the design phase
- Updates on the new and expanded functionality for even more efficient engineering
- Providing the documentation for relevant departments or external business partners
- Become familiar with updated device and master data management
- Using norms and standards (DIN EN IEC 81346 and DIN EN 61355)
- Refresher on proven working methods and tips for a practice-oriented start on your projects

What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

All users who wish to refresh their basic knowledge of Eplan Electric P8 and would like to find out about the newest changes to the Eplan Platform and/or users who are updating from Eplan versions prior to the Eplan Platform 2022.

Format: Onsite or online (depending on local availability)

Duration: Five days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111





Our training courses at a glance

Basic Trainings

Focus on industrial automation:

- Electric P8 **Electrical Design Expert**
- Electric P8 **Automated Electrical Design Expert**

Focus on energy:

- Electric P8 **Energy Design Essentials**

Additional Core Trainings

- **Focus on 3D panel designs** → Pro Panel **3D Panel Design Expert**
- **Focus on P&ID designs** → Preplanning **P&ID Design**
- **Focus on hydraulic and pneumatic schematics** → Electric P8 **Fluid Power Design**

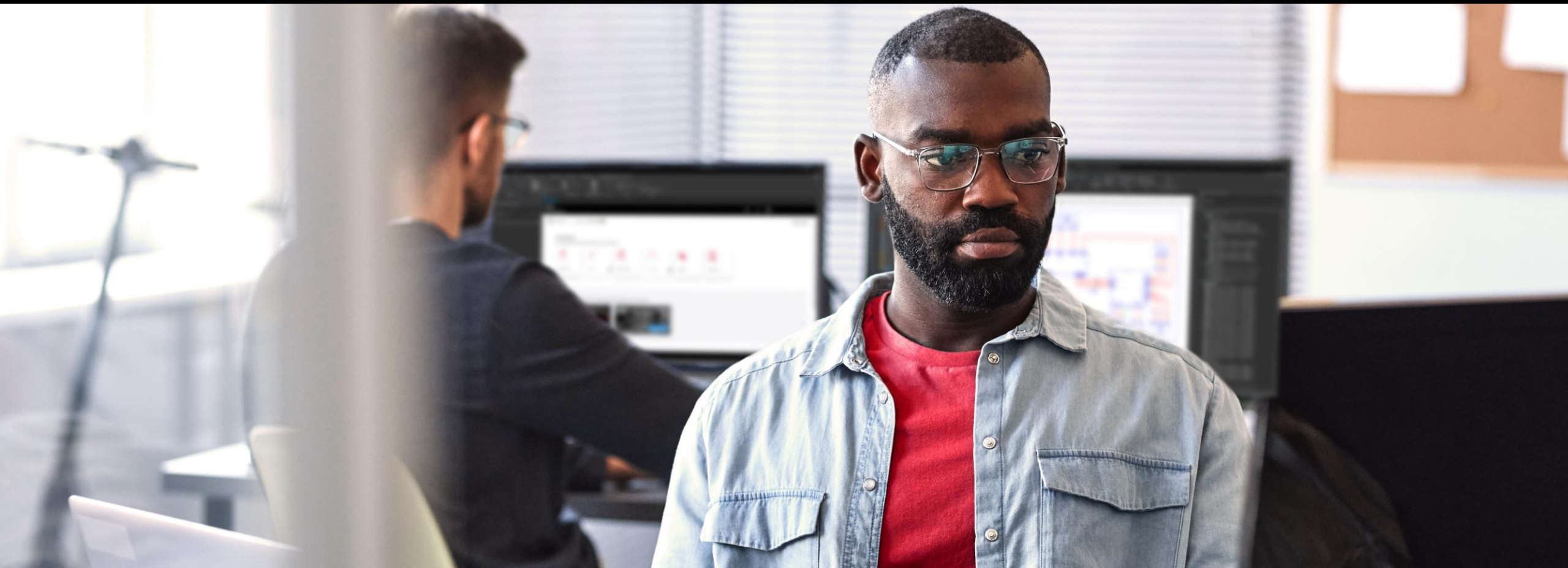
Specialist Trainings

- **Standardised Documentation**
- **Parts and Master Data**
- **PLC & BUS- Systems**
- **Scripting and Automation**

Topic-specific Trainings

- **Focus on building automation** → Preplanning **Building Automation Design**
- **Focus on digital cabling and wiring** → Harness proD **3D Harness Design**; Cable proD **3D Cable Design**
- **Focus on maintenance** → Electric P8 **Electrical Maintenance Essentials**

Basic Trainings



Electrical Design Expert

You learn the basic methods for efficiently working with Eplan Electric P8. This will allow you to plan, create and manage projects in a structured and consistent way – schematics, device lists, evaluations and more can be carried out in accordance with current norms and standards.

Deepen your detailed expertise and acquire comprehensive specialist knowledge for the efficient creation of documentation using Eplan Electric P8.

Eplan Electric P8
Electrical Design Expert

Includes:

- **Part 1: Electrical Design Essentials**
- **Part 2: Electrical Design Extension**



What you will learn:

- The device-oriented creation of schematics and fluid power engineering diagrams
- Preparing and structuring projects according to the DIN EN IEC 81346 and DIN EN 61355 standards
- The logical and functional review of schematic documentation
- Creating assembly-ready manufacturing documentation and bills of materials
- Designing two-dimensional control cabinet layouts
- Managing and structuring master data including symbols, devices, macros, templates and components from the Eplan Data Portal
- The online provision of documentation as well as reviewing and redlining
- In addition, the content of the Electrical Design Essentials training are also included in this course

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All beginners to using Eplan Electric P8 with a focus on automation design and the creation of electrical schematics

Format: Onsite or online (depending on local availability)

Duration: Eight days

Further information and registration at:

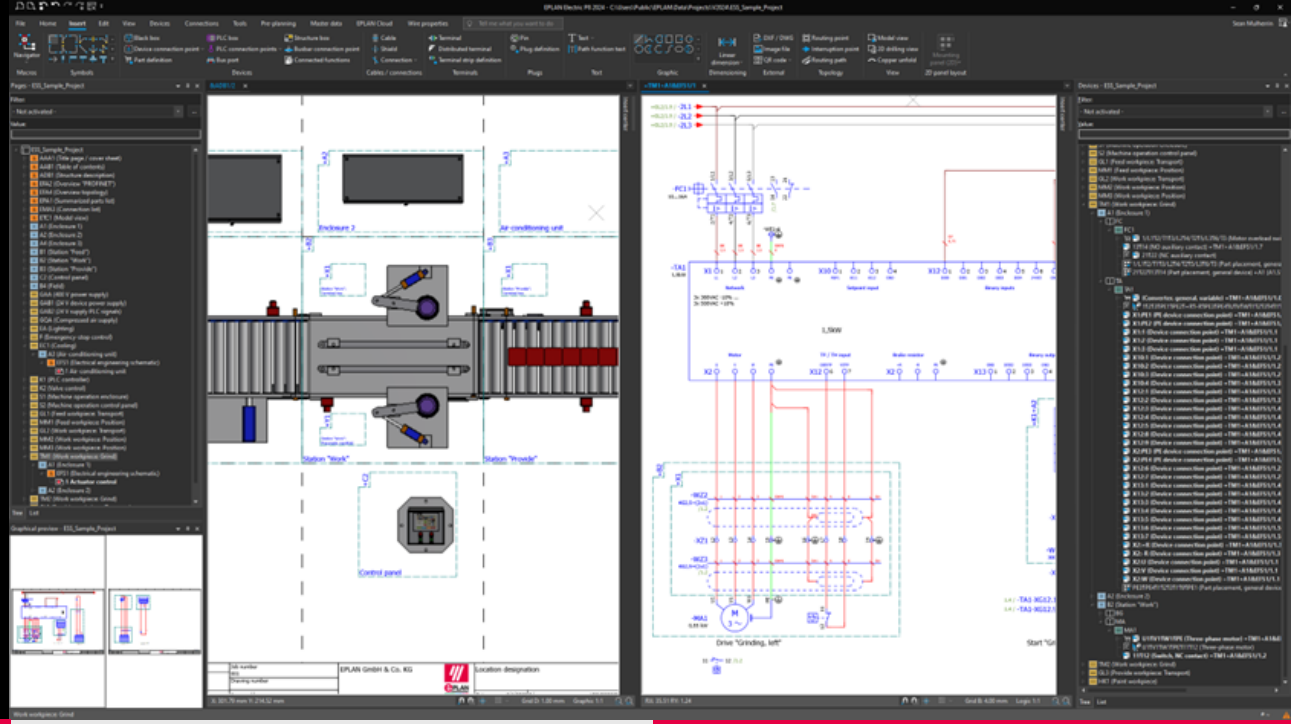
E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



Electrical Design Expert

Learn the basics of Eplan Electric P8 for electrical engineering documentation – from project creation and management to generating schematics, master data, device lists and evaluations according to current norms and standards.

This training course will give you a solid foundation for using Eplan Electric P8.



Part 1: Electrical Design Essentials

1

What you will learn:

- The basics of project creation and project management in Eplan
- Customising the user interface and using project templates for efficiently getting started with the software
- Creating schematics for fluid power engineering
- How to use protective devices, PLC, terminals and wires in project planning
- Managing devices and master data with the Eplan Data Portal
- Creating evaluations (tables of contents, bills of materials, terminal diagrams, wiring diagrams and more)
- Introduction to standard-compliant schematic documentation

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All beginners to using Eplan Electric P8 with a focus on automation design and the creation of electrical schematics

Format: Onsite or online (depending on local availability)

Duration: Five days

Further information and registration at:

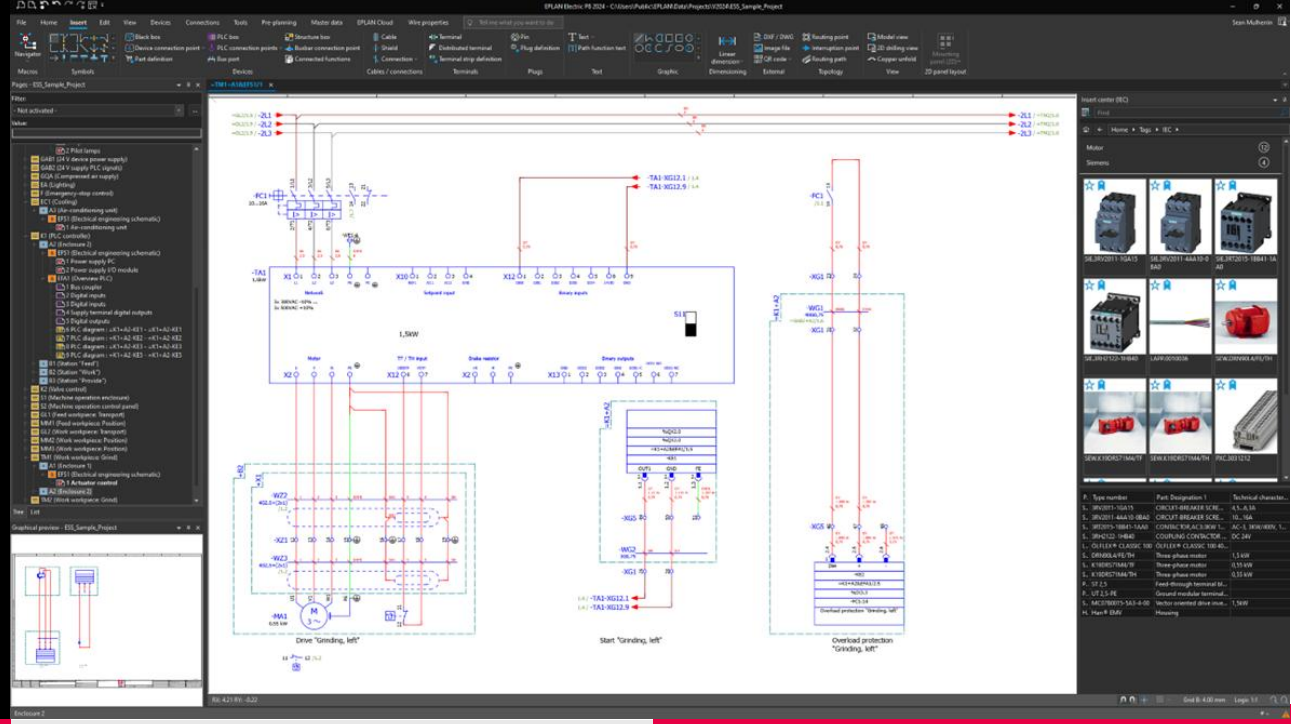
E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



Electrical Design Expert

Improve your detailed knowledge and acquire comprehensive expertise for the efficient creation of documentation using Eplan Electric P8. You will become acquainted with advanced functions and practical methods that you can use directly in your projects.

Furthermore, you will optimise your working methods and improve the quality of your project documentation over the long term.



Part 2: Electrical Design Extension

2

What you will learn:

- The logical and functional verification of schematic documentation
- Creating assembly-ready manufacturing documentation and device lists
- Managing and structuring master data including symbols, devices, macros, templates and articles from the Eplan Data Portal
- Use management and change management
- Using option technology for selecting and installing devices
- Efficiently using advanced evaluations and reports for project analysis

What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

All Eplan Electric P8 users who wish to deepen their expertise about the creation and management of Eplan projects

Format: Onsite or online (depending on local availability)

Duration: Three days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



Automated Electrical Design Expert

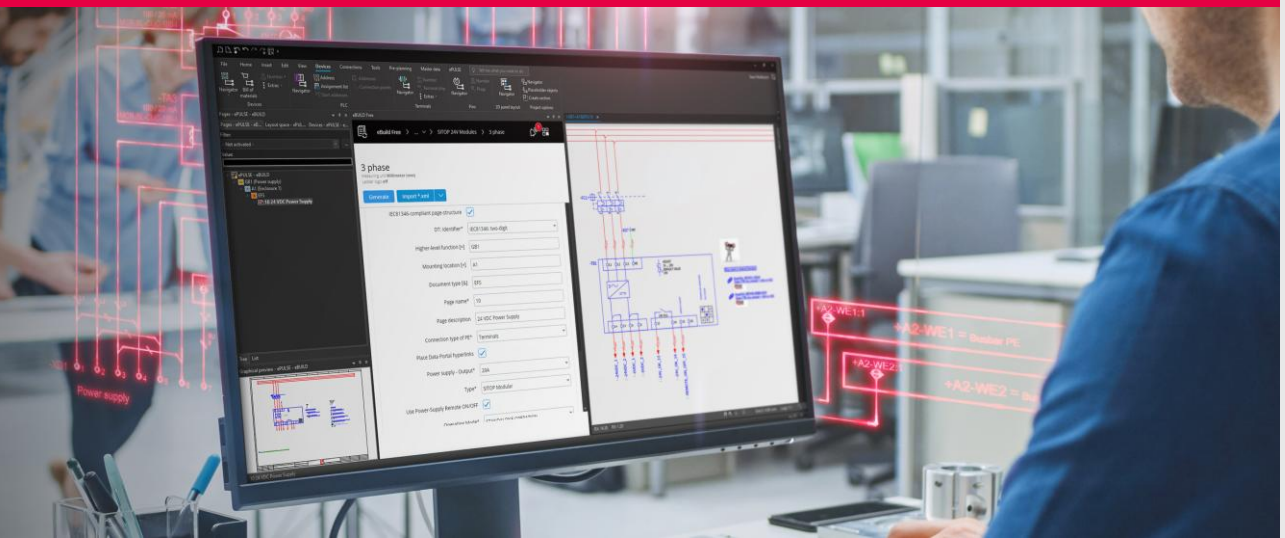
Learn the basic working methods using Eplan for consistent project planning. You will be able to automate the creation of schematics and evaluations, master data, templates and macros based on your user-defined rules. Standardise your templates to be able to quickly and easily re-use them.

Deepen your detailed knowledge and acquire comprehensive know-how in automated document generation using Eplan.

Eplan Electric P8
Automated Electrical Design Expert

Includes:

- **Part 1: Electrical Design Essentials**
- **Part 2: Automated Electrical Design Extension**



What you will learn:

- The device-oriented creation of schematics and fluid power engineering diagrams
- Creating and structuring templates (pages, windows, symbol macros)
- Developing rules for automation
- Using variable and placeholders
- Utilising template projects
- The automatic generation of schematics
- The logical and functional review of schematic documentation
- In addition, the content of the Electrical Design Essentials training are also included in this course

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All beginners to using Eplan Electric P8 with a focus on automation design and the automatic generation of electrical schematics

Format: Onsite or online (depending on local availability)

Duration: Ten days

Further information and registration at:

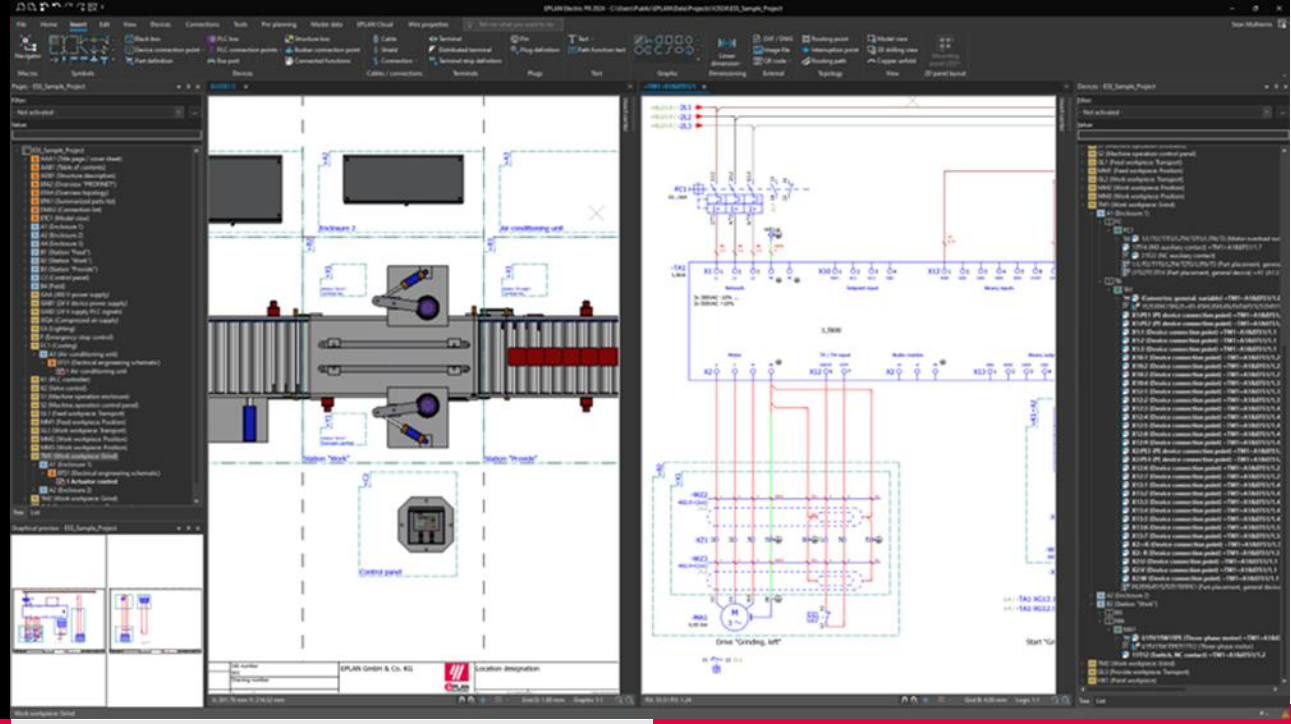
E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



Automated Electrical Design Expert

Learn the basics of Eplan Electric P8 for electrical engineering documentation – from project creation and management to generating schematics, master data, device lists and evaluations according to current norms and standards.

This training course will give you a solid foundation for using Eplan Electric P8.



Part 1: Electrical Design Essentials

1

What you will learn:

- The basics of project creation and project management in Eplan
- Customising the user interface and using project templates for efficiently getting started with the software
- Creating schematics for fluid power engineering
- How to use protective devices, PLC, terminals and wires in project planning
- Managing devices and master data with the Eplan Data Portal
- Creating evaluations (tables of contents, bills of materials, terminal diagrams, wiring diagrams and more)
- Introduction to standard-compliant schematic documentation

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All beginners to using Eplan Electric P8 with a focus on automation design and the creation of electrical schematics

Format: Onsite or online (depending on local availability)

Duration: Five days

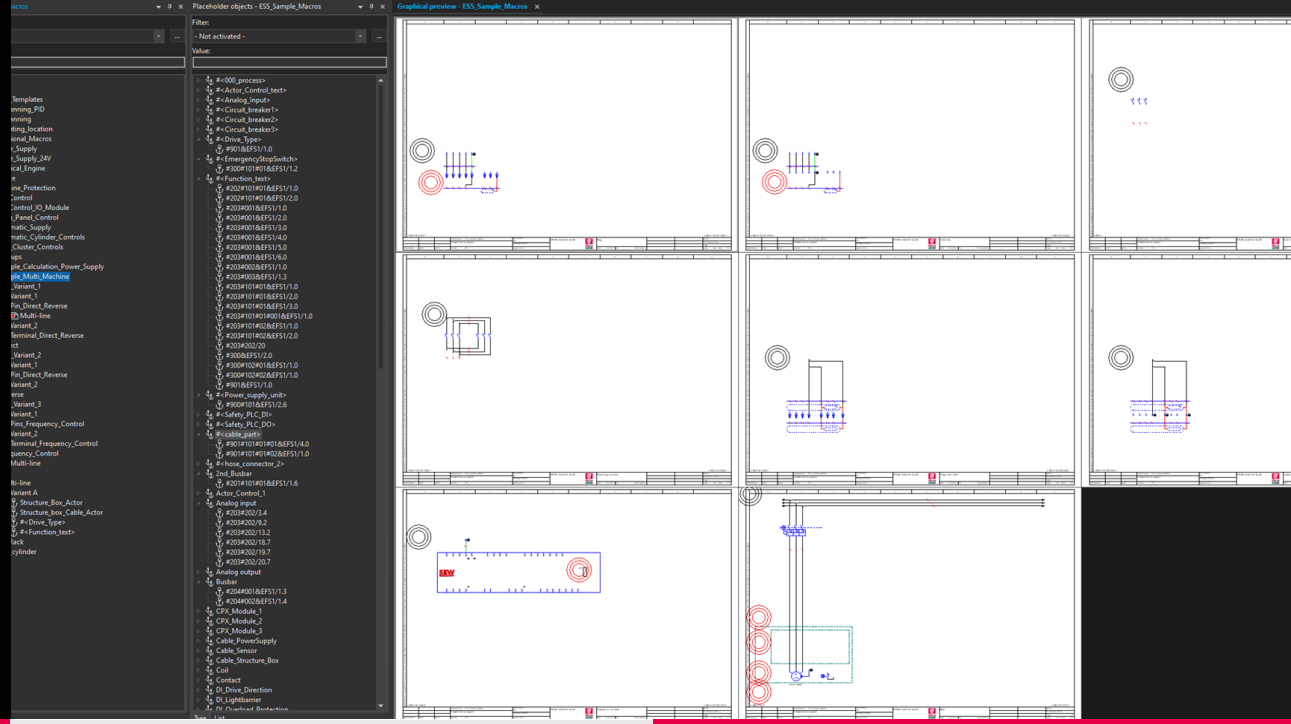
Further information and registration at:

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Hotline: 49 (0)2173 3964-111



Automated Electrical Design Expert

Deepen your detail knowledge and acquire comprehensive expertise in automated project generation using Eplan. You learn how to structure your templates and macros and to standardise them to be able to re-use them. In addition, you also learn how to automatically generate schematics and evaluations according to user-defined rules.



Part 2: Automated Electrical Design Extension 2

What you will learn:

- Creating, structuring and managing templates (pages, windows, symbol macros)
- Creating and utilising macros for efficiently automating repetitive design tasks
- Developing rules for automatically generating schematics
- Generating projects from configuration
- Using variables and placeholders
- Utilising and structuring template projects and macro projects
- Automatically generating schematics

What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

All Eplan Electric P8 users who wish to increase their knowledge about the automated creation of Eplan projects

Format: Onsite or online (depending on local availability)

Duration: Five days

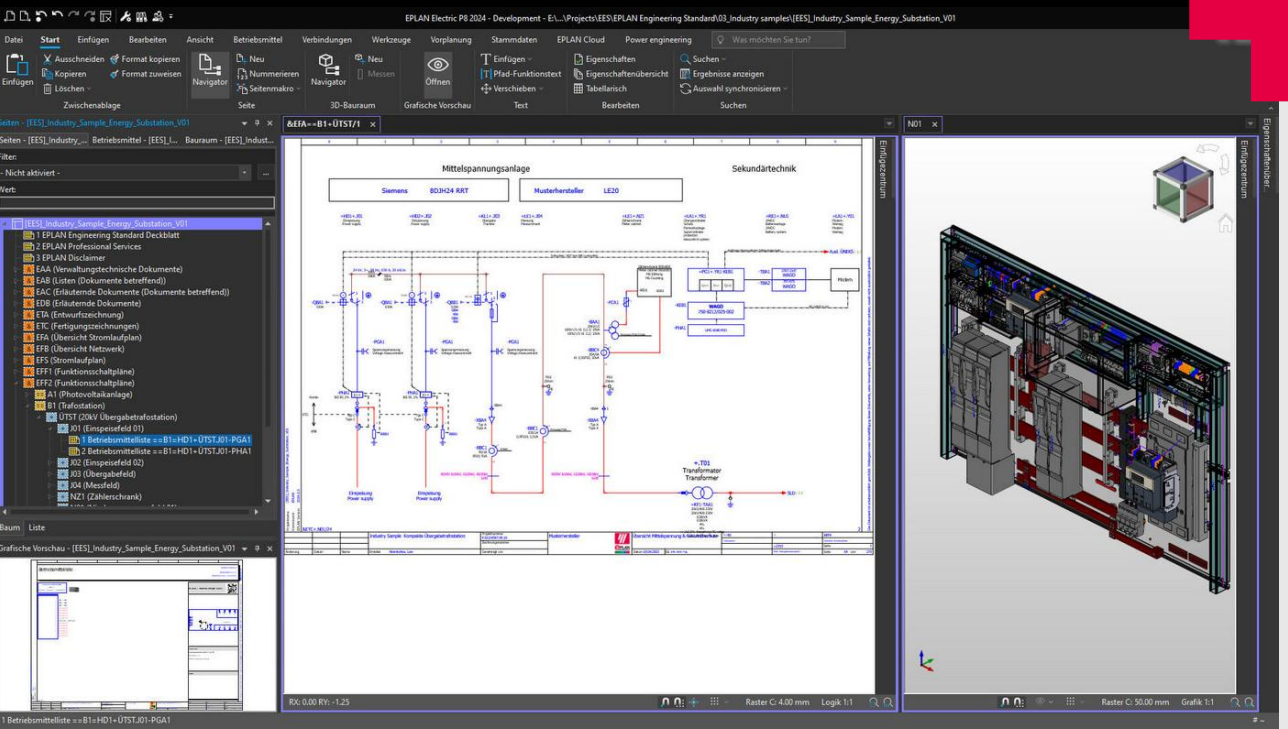
Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



Energy Design Essentials

Become acquainted with the basics of efficient working methods using Eplan Electric P8 in the field of power distribution and high-voltage and medium-voltage systems. The focus is on structured and consistent project planning and design, from project creation and management to production of schematics, bills of materials and evaluations in accordance with current norms and standards.



What you will learn:

- Planning power distribution projects
- Documentation according to the RDS-PS (ISO 81346-10) and IEC 61355 standards
- Importing DXF/DWG files
- Creating distribution and overview plans as well as those for secondary technology
- Single-line representations of system overviews
- Using measuring and protective devices, connection terminals and wires in project planning
- Creating evaluations (table of contents, device lists, terminal diagrams, wiring diagrams and more)

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All newcomers to using Eplan Electric P8 with a focus on energy distribution

Format: Onsite or online (depending on local availability)

Duration: Five days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



Additional Core Trainings



3D Panel Design Expert

Learn the basics of 3D control cabinet design using Eplan Pro Panel. Optimise your design planning with the consistent use of 3D components. Deepen your knowledge of working with complex designs and discover how to efficiently design even the most demanding control cabinets. Above and beyond this, you will also learn how to use digital prototypes to avoid design errors earlier in the process and improve your manufacturing quality.

Eplan Pro Panel
3D Panel Design Expert

Includes:

Part 1: 3D Panel Design Essentials

Part 2: 3D Panel Design Extension



What you will learn:

- Placing of mounting panels and cable ducts in 3D control cabinets
- Placing of components onto mounting panels, doors, etc.
- Using device data from the Eplan Data Portal
- Creating 3D master data for assembling the mounting panels
- Creating manufacturing documentation that makes assembly easier
- Optimising the climate controls and wire routing in the 3D model of the control cabinet
- Exporting manufacturing data (NC, DXF, STEP) for control cabinet manufacturing

What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

All beginners to using Eplan Pro Panel who want to use a digital twin of the control cabinet

Format: Onsite or online (depending on local availability)

Duration: Seven days

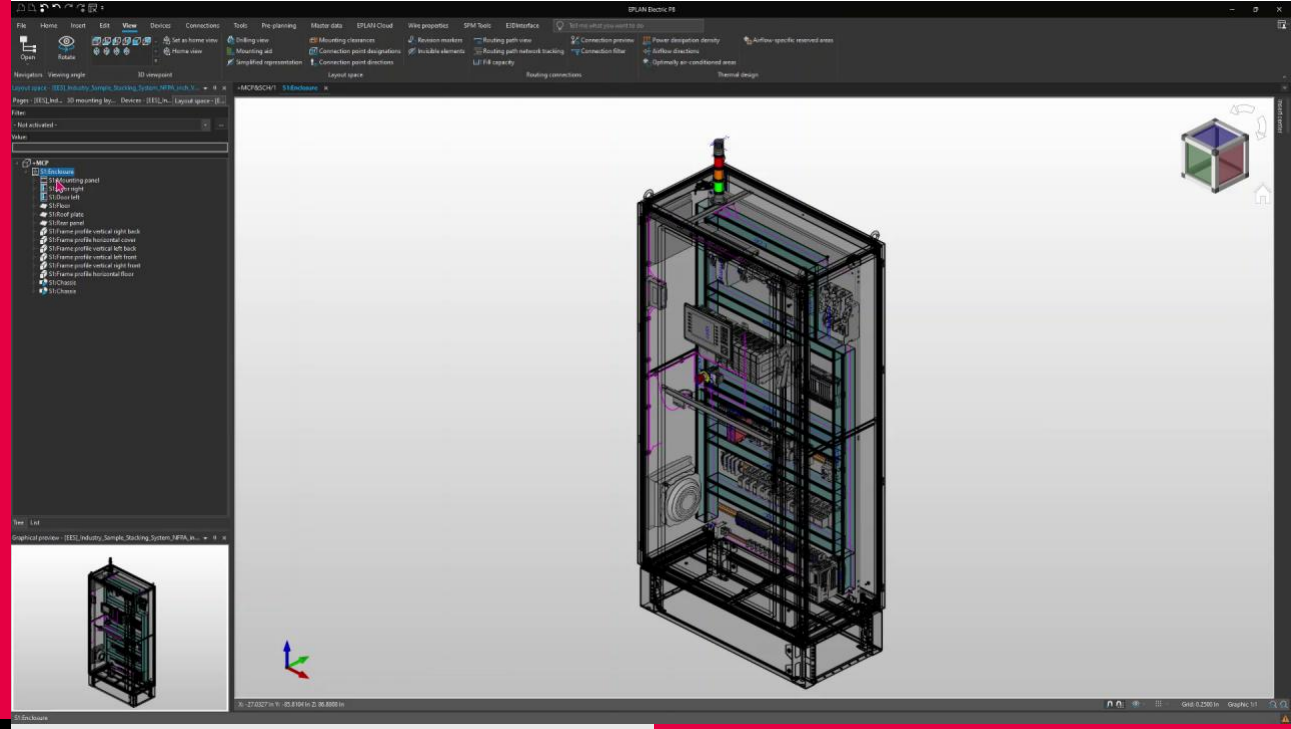
Further information and registration at:

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Hotline: 49 (0)2173 3964-111



3D Panel Design Expert

Learn the basic and efficient working methods for using Eplan Pro Panel for consistent control cabinet engineering in 3D. You create a structured 3D assembly layout, place components and copper rails, perform collision checks, use automated routing for wiring, and transfer the relevant data to manufacturing machines. You will gain comprehensive knowledge about 3D control cabinet construction and the digital processing of manufacturing information.



Part 1: 3D Panel Design Essentials

1

What you will learn:

- 3D control cabinet design and the placement of components on mounting plates
- Structuring and managing 3D master data and device data
- Automated placing of the connections on the mounting plate
- Mechanical processing (drilling patterns, cut-outs)
- Digital re-use of wiring data and assembly information in production
- 3D copper layouts for low-voltage assemblies

What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

All new users to Eplan Pro Panel who want to focus on the creation of a 3D digital twin of electrical schematics

Format: Onsite or online (depending on local availability)

Duration: Four days

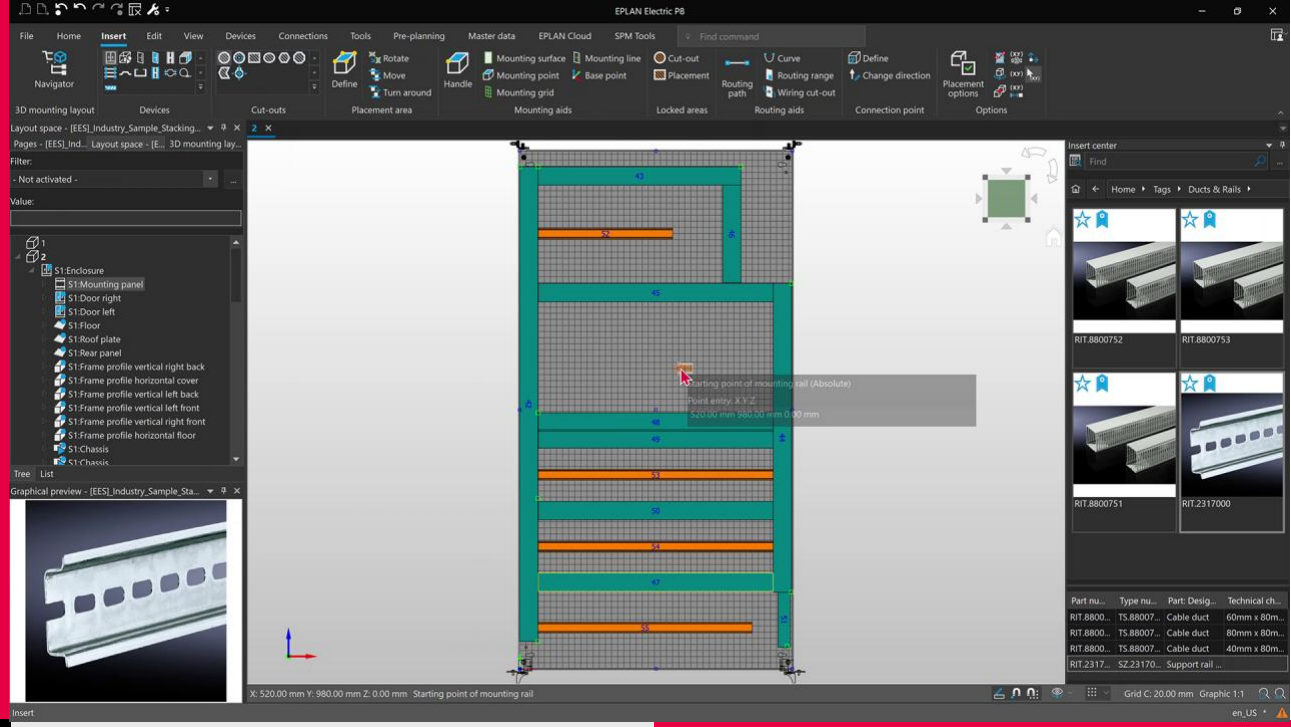
Further information and registration at:

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Hotline: 49 (0)2173 3964-111



3D Panel Design Expert

Expand your expertise using Eplan Pro Panel for the planning and design of control cabinets in 3D. Optimise your design planning and wiring in the control cabinet. Utilise the available information to design and configure the control cabinet.



Part 2: 3D Panel Design Extensions

2

What you will learn:

- Optimised 3D placement of components and system accessories
- Creating 3D master data, including mechanical processing (drilling patterns, cut-outs)
- Automatic routing for the connections between the components
- Calculating wire lengths and output of wiring bundles
- Calculating cable ducts and cable lengths
- Automatic climate control calculations and control cabinet configurations
- Simulation and verification of the cabling in 3D for collision-free routing and compliance with minimum distances
- Calculating the climate controls based on the Rittal control cabinet using RiTherm

What you bring to the table:

A completed basic Eplan Pro Panel training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

All Eplan Pro Panel who wish to develop their 3D digital twin in detail with virtual wiring and copper connections

Format: Onsite or online (depending on local availability)

Duration: Three days

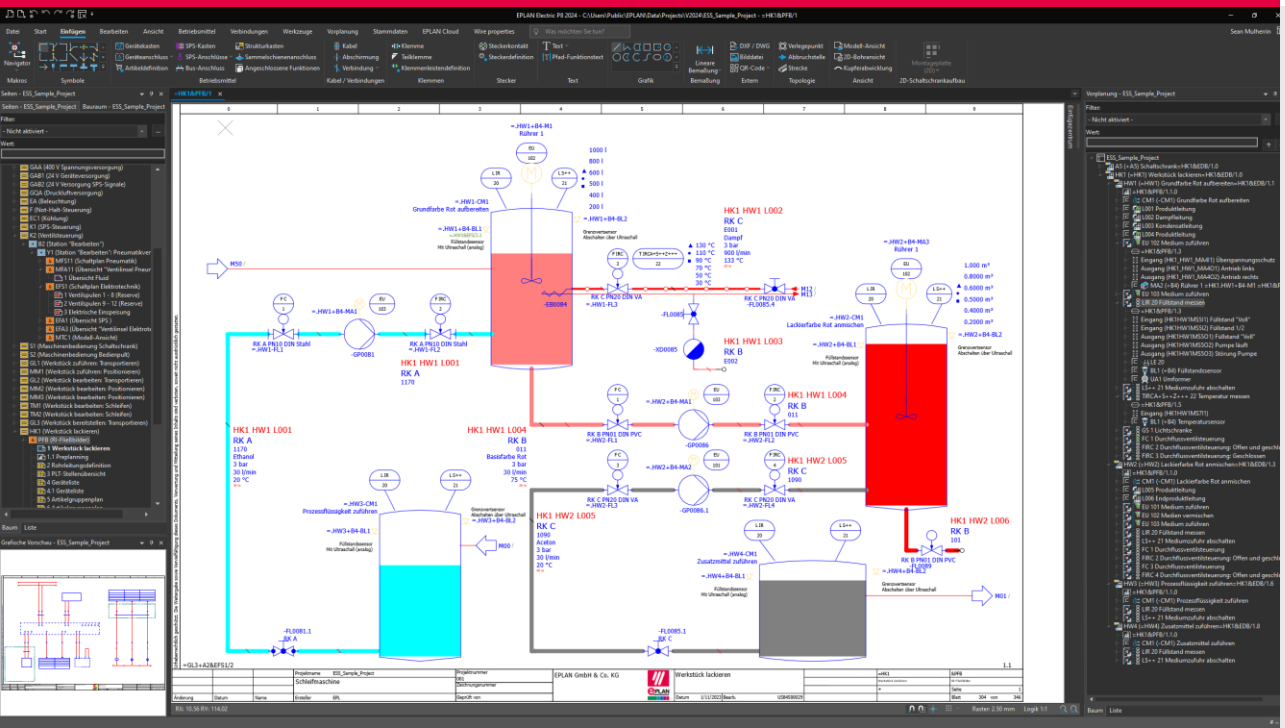
Further information and registration at:

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P&ID Design

Master how to depict complex process systems and consistently document their design. Also learn how you can save time using automation and utilising standardised symbols so as to increase the quality of your flow diagrams. Create smart flow diagrams for process engineering systems. Re-use and symbol management are central functions of this.



What you will learn:

- Creating piping and instrumentation diagrams (P&ID)
- Importing preplanning data
- Managing measuring points and devices
- Using smart symbols and standard libraries
- Creating evaluations (measuring point lists etc.)
- Automatic plausibility check of flow diagrams for consistency and standard adherence
- Linking to additional engineering data

What you bring to the table:

There are no prerequisites for this training course

Who benefits from this course?

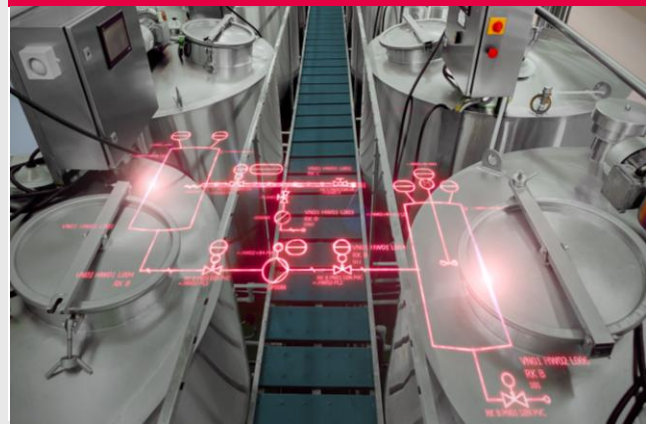
All new users of Eplan Preplanning with a focus on the process industry (process flows and P&ID)

Format: Onsite or online (depending on local availability)

Duration: Five days

Further information and registration at:

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Hotline: 49 (0)2173 3964-111

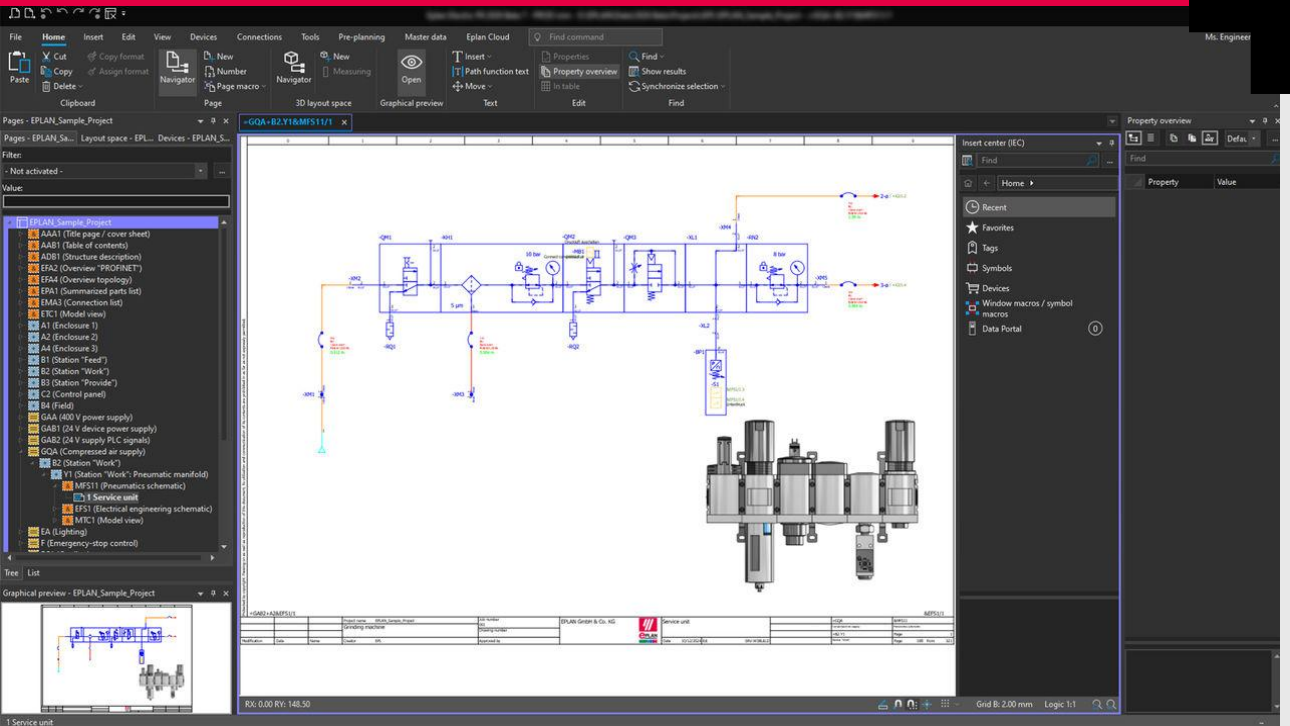


Fluid Power Design

Acquire the skills you need for creating hydraulic and pneumatic schematics. You learn how to design complex fluid circuits in a structured way and efficiently document the diagrams. Furthermore, you also discovers how to ensure the quality and accuracy of your fluid diagrams using automated verifications and standardised symbols.

What you will learn:

- Creating fluid power engineering diagrams
- Using symbols in accordance with ISO 1219 and IEC 61355 standards and project structuring in accordance with IEC 81346
- Defining valves, aggregates and consumers
- Interdisciplinary working
- Integrating fluid power diagrams and electric systems for designing machines in a comprehensive way
- Logical and functional verification of schematic and diagram documentation
- Automatic generation of the documentation for manufacturing and assembly



What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

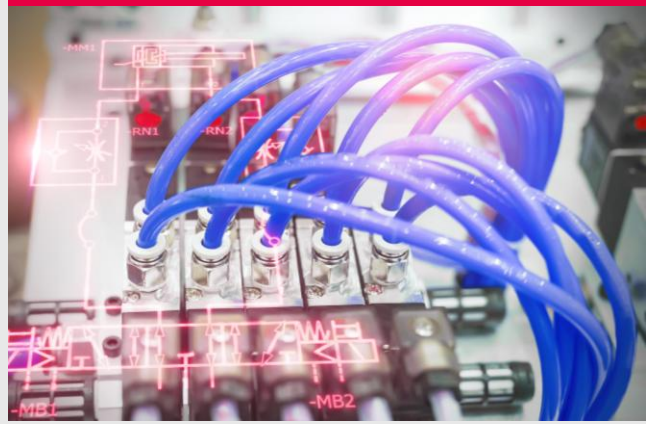
All Eplan Electric P8 users who wish to expand their designs with fluid power engineering. Ideal for machine builders and plant system engineers.

Format: Onsite or online (depending on local availability)

Duration: Three days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



Eplan Training Academy

Specialist Trainings



Standardised Documentation

Using a specific project example, you learn how to use the theoretical requirements of relevant norms and standards for your project planning and documentation. We show you how a clear structure and classification ensures the quality and reproducibility of your projects. Furthermore, you also receive practical tips as to how to consistently implement the norm and standard requirements in your daily project work.



What you will learn:

- Depicting the IEC 81346 standards in Eplan
- Document classification in accordance with the IEC 61355-1 standard
- Rules for the presentation of documents in accordance with the IEC 61082-1 standard
- Methods for project structuring
- Functional structuring of machines and plant systems
- Utilising standard specifications for creating projects
- Reviewing and optimising the documentation as regards norm and standard compliance and consistency

What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

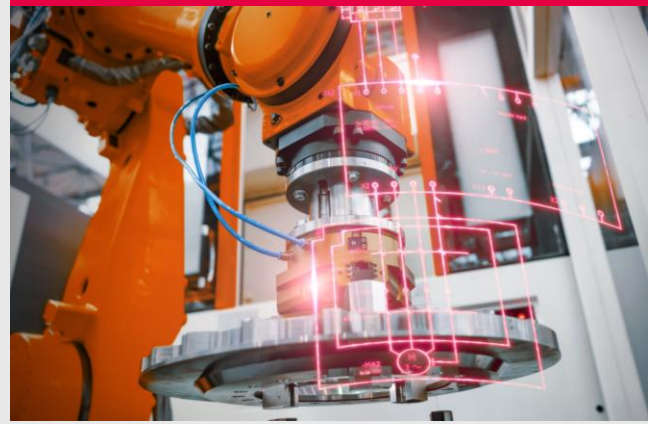
All Eplan Electric P8 users who wish to learn how to use relevant norms and standards for structuring their Eplan projects

Format: Onsite or online (depending on local availability)

Duration: Three days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



Parts and Master Data

Discover how to centrally manage article and device data in accordance with norms and standards. You learn how to create and maintain master data in a structured way and efficiently use it in projects. Furthermore, you will also find out how to ensure data quality via standardised processes and how to optimise access for all project participants.



What you will learn:

- Creating and managing device data
- Importing component data from different manufacturers from the Eplan Data Portal
- Using device management
- Defining and managing classifications for devices and components
- Automatic linking of device data with schematic projects
- Managing device databases and accessories
- Creating a company-specific standards sheets and evaluation forms

What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

All Eplan Electric P8 users who wish to deepen their knowledge about parts management and other engineering data - ideal for data managers and key users.

Format: Onsite or online (depending on local availability)

Duration: Two days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111

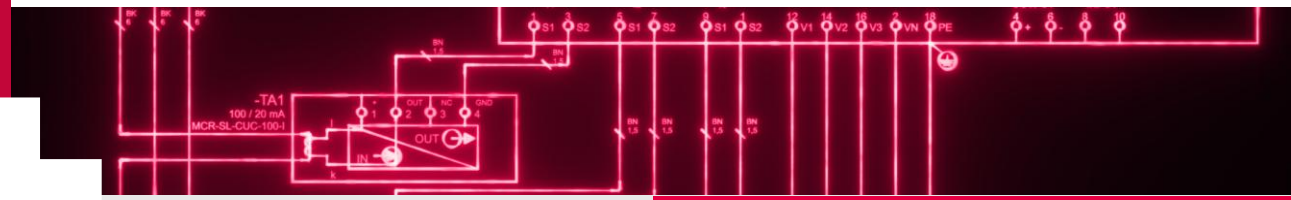


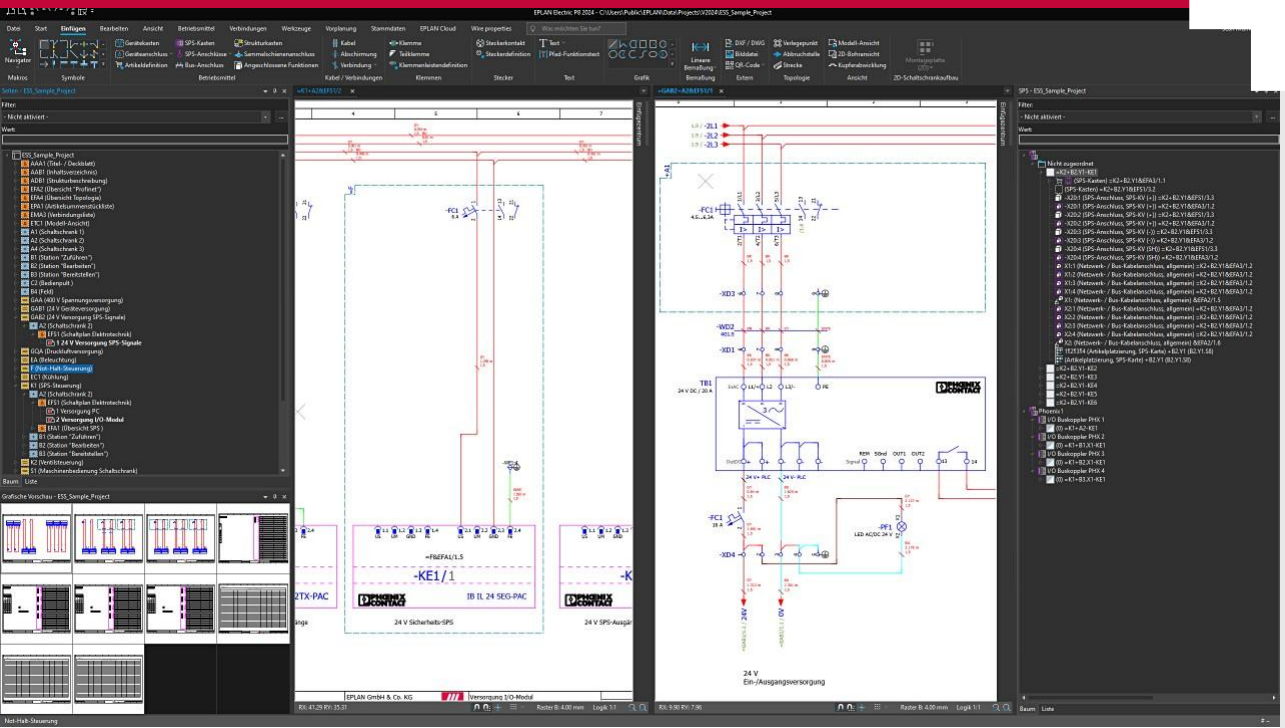
PLC and BUS-Systems

Learn how to efficiently represent PLC systems and BUS systems in Eplan in a structured manner. You find out how to plan complex automation systems clearly and consistently document them. In addition, you discover how you can save time through the integration of PLC systems and BUS systems and improve the quality of your documentation.

What you will learn:

- Creating PLC assemblies and PLC cards
- Using the PLC and other navigators
- Integrating BUS systems (such as Profinet, Ethernet)
- Verifying and coordinating BUS systems within the Eplan project environment
- Automatic addressing and evaluations
- Data exchange via the AML format





What you bring to the table:

A completed basic training course and/or several years of experience in using the Eplan Platform

Who benefits from this course?

All Eplan Electric P8 users who wish to deepen their knowledge of PLC construction and PLC data exchange

Format: Onsite or online (depending on local availability)

Duration: Two days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111

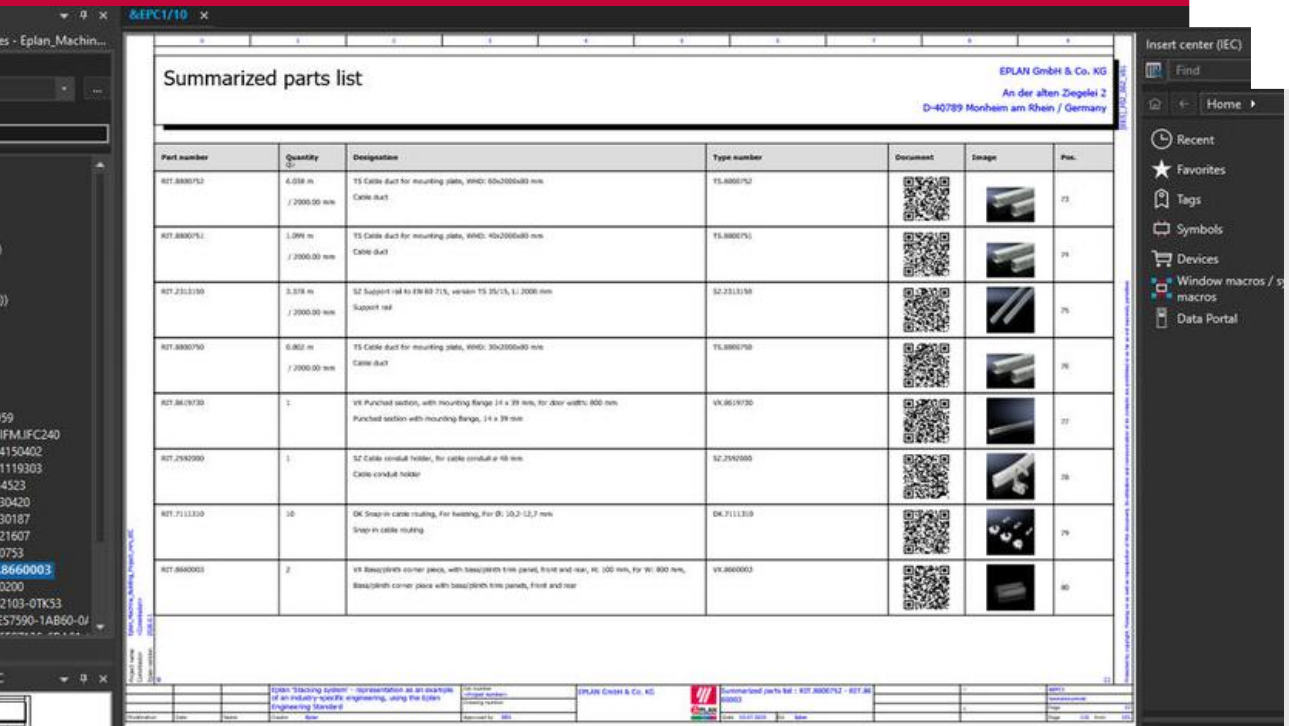


Scripting and Automation

Formulate individualised solutions. Automate repetitive tasks with an assist from scripting using the Eplan API. You learn how to make engineering processes more efficient and significantly accelerate repetitive work steps. In addition, you will also discover how to adapt standard processes and implement company-specific requirements directly in Eplan.

What you will learn:

- Basics of Eplan script programming
- Accessing the navigator and objects
- Writing and executing your own scripts
- Automating processes (including page layouts, exporting)
- Creating re-usable script modules for several projects
- Integrating data from external sources into Eplan projects
- Debugging and managing scripts





What you bring to the table:

Basic knowledge of the CSharp programming language

Who benefits from this course?

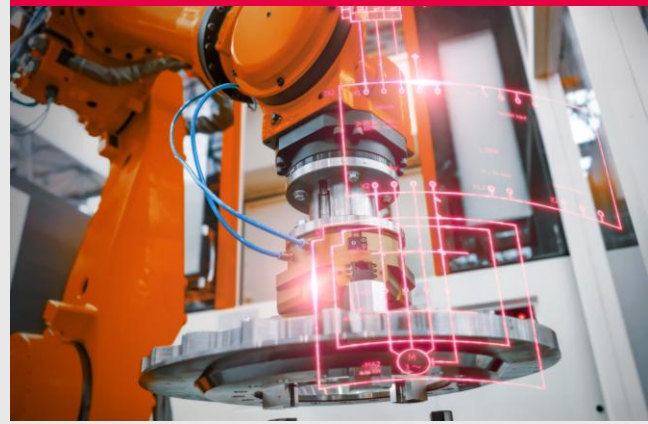
All Eplan Electric P8 users who wish to deepen their knowledge about automating repetitive tasks using scripts and APIs – ideal for developers and advanced users

Format: Onsite or online (depending on local availability)

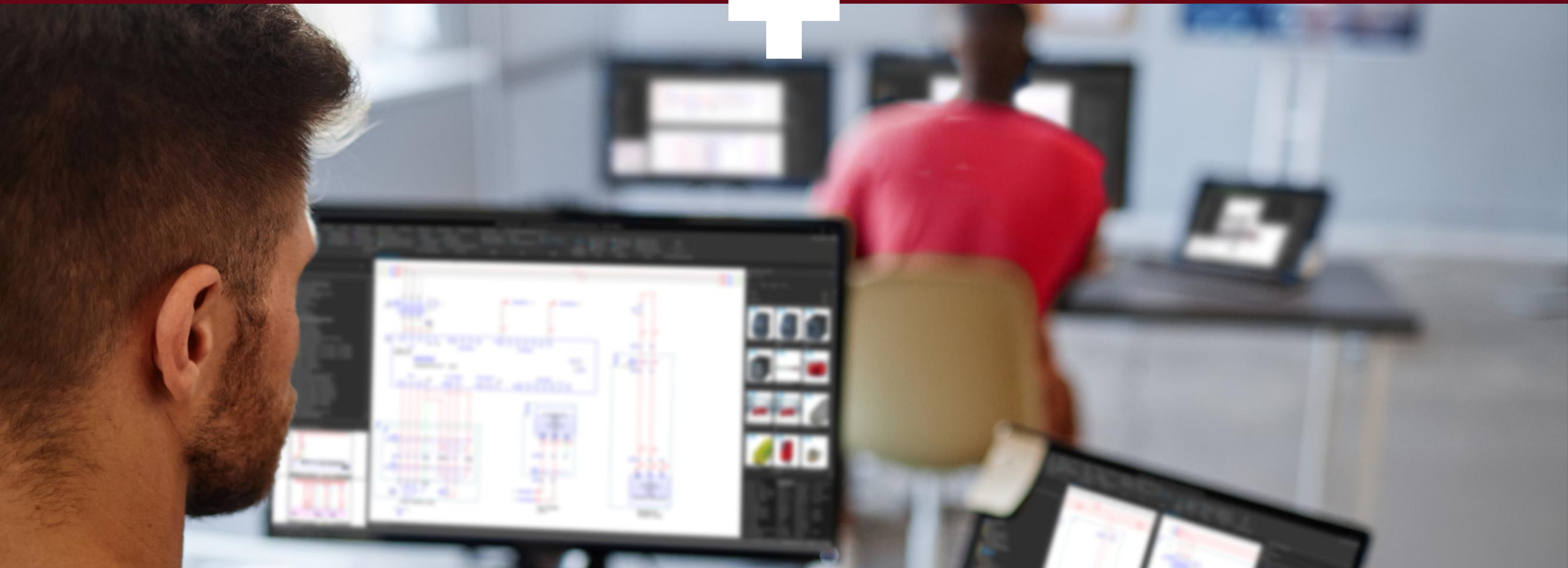
Duration: Two days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111

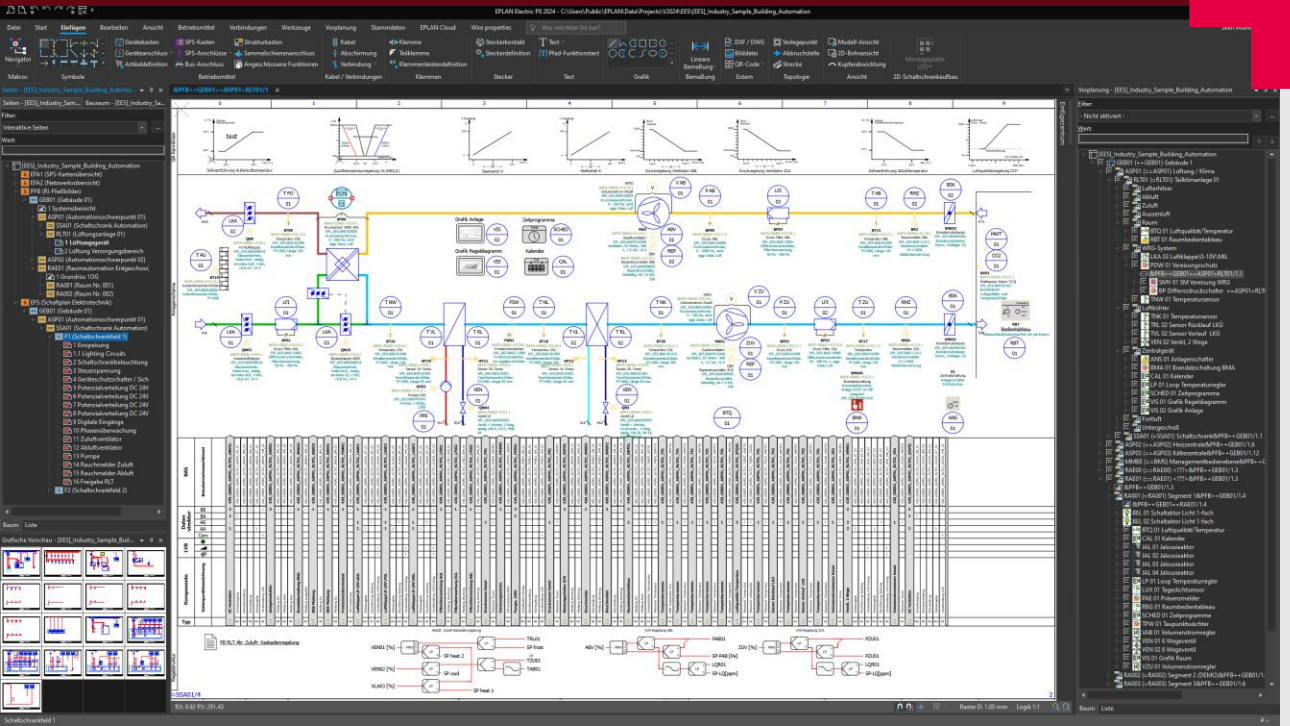


Topic-specific Trainings



Building Automation Design

Learn how to efficiently model complex systems and consistently document their design. Find out how you ensure the quality of your project documentation by way of automated evaluations and reviews. Create structured and standard-compliant documentation for building automation.



What you will learn:

- Designing building automation systems
- Using function lists and room assignments
- Integrating ICA controls
- Automatic generation of schematics
- Creating symbols in accordance with VDI 3814 and DIN EN ISO 16484-3 standards for heating, ventilation and air conditioning (HVAC)
- Creating project-related overviews and evaluations
- Verifying documentation for standard compliance and consistency

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All beginners to using Eplan Preplanning with a focus on the planning of systems for buildings automation (HVAC) – ideal for integrators and building technology and MEP planners

Format: Onsite or online (depending on local availability)

Duration: Five days

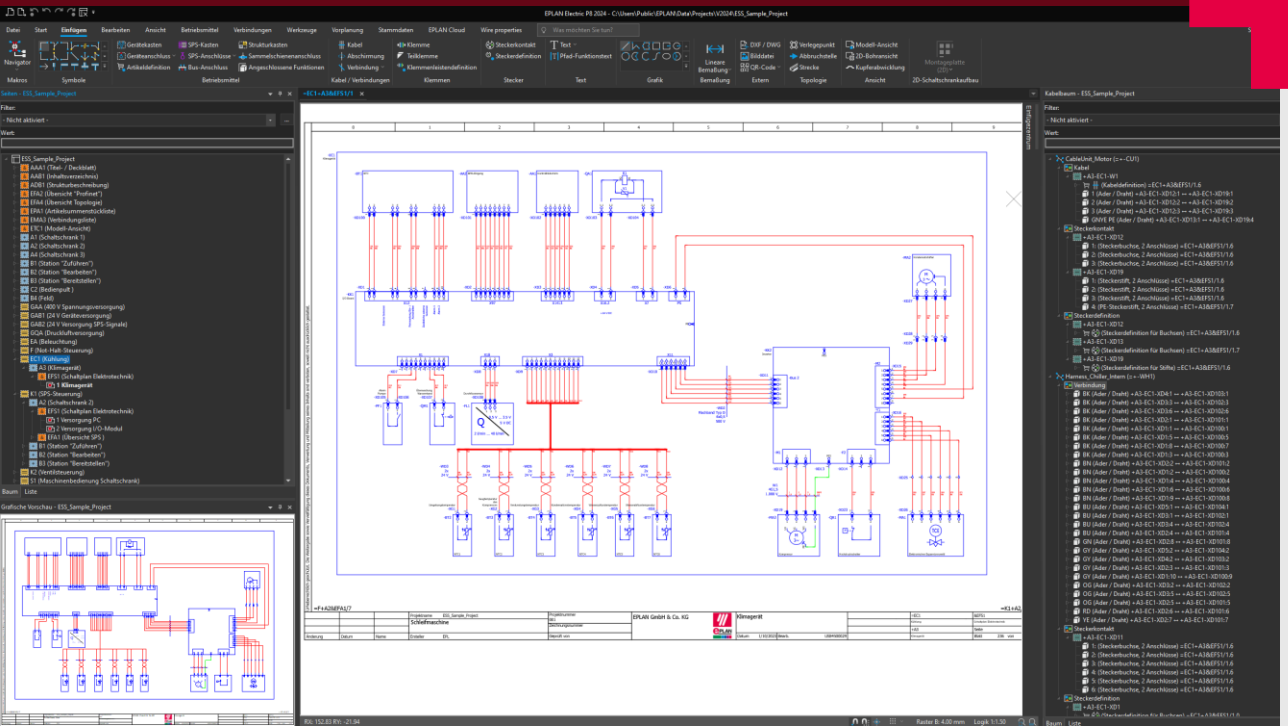
Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



3D Harness Design

Find out how to realistically design a cable harness. You use the relevant electrical engineering data from the schematics and transfer the schematic designs into the 3D mechanical model. This allows you to clearly define the digital cable harness in the 3D assembly space. This lays the cornerstone for clear documentation of the harness and automatically provides you with all the information you need for manufacturing the actual harness.



What you will learn:

- Virtual cable harness design in the 3D assembly space
- Defining of connectors, grommets and fasteners
- Specifying the surface protective coating for the cable harness
- Checking and optimising the cable harness routing to comply with the mechanical dimensions
- Generating connection lists with automatic length determination
- Company-specific creation of nail boards and wiring diagrams
- Creation of the documentation for production and assembly

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All newcomers to Eplan Harness proD with a focus on the virtual cabling on a 3D machine model

Format: Onsite or online (depending on local availability)

Duration: Five days

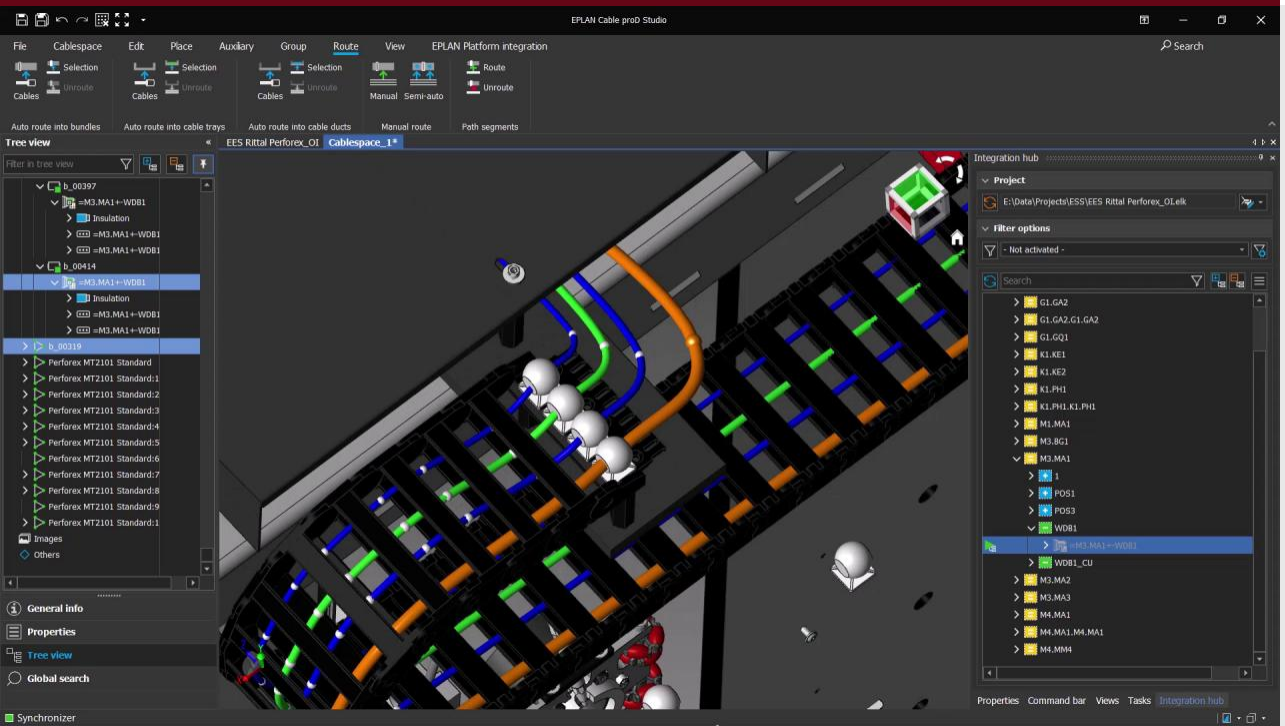
Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111



3D Cable Design

Discover how to realistically plan cable routing in machines. You record the relevant electrical engineering information in the schematics and automatically transfer the schematic designs into the 3D mechanical engineering model. This allows you to determine the exact cable lengths and cable routing for the entire machine, including all the relevant manufacturing documents.



What you will learn:

- Creating and editing the electrical engineering documentation
- Digital cabling in the 3D model and the routing through ducts and cable trays
- Routing and determining cable lengths on the mechanical model of the machine
- Compiling the documentation for production, assembly and planning
- Linking schematic information from Eplan Electric P8 and using 3D data from Eplan Pro Panel
- Determining cable lengths on the digital twin

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All beginners in using Eplan Cable proD w
focus on virtual machine wiring on a 3D mechanical model

Format: Onsite or online (depending on local availability)

Duration: Five days

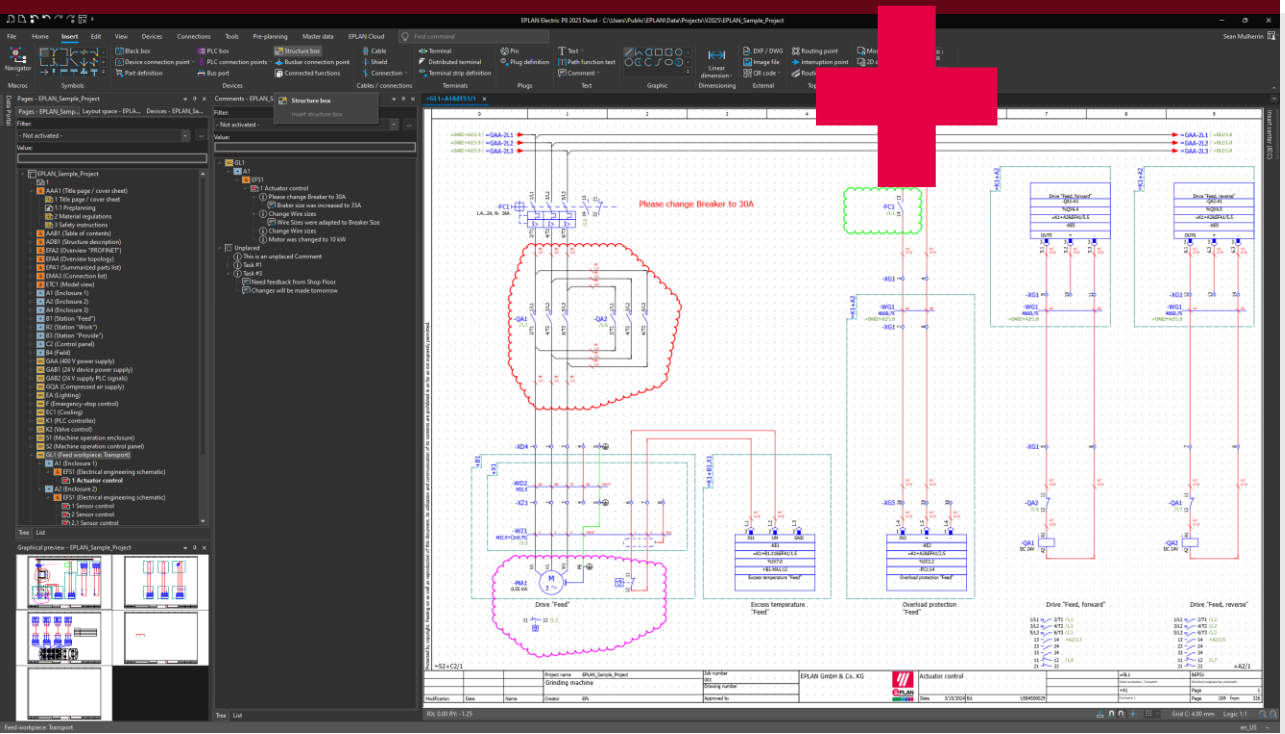
Further information and registration at:

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Hotline: 49 (0)2173 3964-111



Electrical Maintenance Essentials

Acquire in-depth knowledge about the use of Eplan Electric P8 for maintenance activities. From project creation and project management to changes and additions to existing schematics. Use master data and create evaluations for up-to-date schematic documentation.



What you will learn:

- Quick introduction to operating and using Eplan Electric P8
- Conversions of machine and plant systems as an extension of existing Eplan Projects
- Quality checking and documentation of electrical engineering projects
- Quick editing functions for adapting schematic documentation
- Automatic updating of documents for operational planning
- Handling old project data
- Maintaining, updating and longer-term use of the documentation for maintenance activities

What you bring to the table:

There are no prerequisites for this training course.

Who benefits from this course?

All maintenance technicians who use Eplan Electric P8 to maintain existing schematics and to make minor changes and enhancements to them

Format: Format: Onsite or online (depending on local availability)

Duration: Five days

Further information and registration at:

E-mail: training@eplan.de
Hotline: 49 (0)2173 3964-111

