ePLAN®
electric P8

GLOBAL
Standard in
Electrical Design
Engineering Software

ePLAN your engineering

EPLAN
your
Engineering

Internationally, more than 18,000 customers from all engineering disciplines related to automation technology for machine and plant design rely on the performance of our products and on the know-how of our over 500 employees.

EPLAN Software & Service

EPLAN Software & Service is the global standard in software and service concepts for electrical, fluid and process control technology design engineering for over 25 years now. EPLAN has become a worldwide leader in technology solutions.

„EPLAN your Engineering"

A market leading supplier of first class engineering solutions, EPLAN Software & Service has the primary objective to provide integrated, mechatronic oriented workflows and efficient process support to our customers. Users are fully supported through a broad spectrum of services including training, consulting and customer solutions.

Worldwide engineering – global presence

With 18,000 customers and 60,000 installations worldwide, the German based software provider has been demonstrating the success of consistent practice orientation with international presence for over 20 years. More than 50 sales and service centers provide worldwide support spanning over six continents. As a 100% Rittal subsidiary, EPLAN Software & Service belongs to the Friedhelm Loh Group. EPLAN is a synonym for innovative strength, continuity, progress and investment security in this strong business group.

PLATFORM

Integrated
Engineering

Platform technology — integrated and mechatronic

The EPLAN product portfolio is based on a continuous development platform for direct data exchange from different disciplines:

- **EPLAN Electric P8 — The Global Standard in Electrical Design Engineering Software**
  With a freely selectable graphical/ object orientation, variant technology and reverse engineering, the software puts your global projects on the fast track to success.

- **EPLAN Fluid — Control & Design Engineering Software for Fluid Power**
  EPLAN Fluid combines CAD functionality with unique logic allowing you to automate your complete Fluid documentation — with links to electrical and mechanical designs.

- **EPLAN Cabinet — Engineering Design Software for enclosure construction and high level automation in enclosure production**
  Engineering Design Software for enclosure design. Virtual 3D-models, 2D-/3D-views perfect for manufacturing, routing, drilling templates and NC connectivity slash your production costs.

- **EPLAN PPE — Instrumentation & Control Design Software for Process Automation Engineering**
  Professional planning and design of instrumentation and measurement control systems with EPLAN PPE. The CAE software delivers continuous process system documentation with data alignments from pre-, basic- and detail-planning phases.

- **EPLAN Engineering Center — Integrating discipline-specific technical data in a superior platform to facilitate modular system design**
  A new working method in engineering causes costs to drop. Machines and systems are divided into mechatronical functional units for interdisciplinary engineering with future factor.

EPLAN Platform — Your key to success

The revolutionary EPLAN platform technology allows you to take part in the future of global engineering. The platform provides core functions that are equally required in electrical CAE as well as in fluid or PCT engineering — combined with a unique bridge to mechanical engineering. All systems are fed from the same data source, making (e.g.) redundant data entry a thing of the past. The EPLAN Platform — disciplines united, integration and collaboration enabled!

The new dimension in electrical engineering

EPLAN Electric P8 offers unlimited possibilities for project planning, documentation, and management of electrical engineering / automation projects. This high-end system is the future of electrical engineering, offering a choice of graphical or object orientation as well as continuous platform technology. The wide range of functions and direct connection to fluid power and PCT engineering make inter-disciplinary work a reality. Data from earlier planning designs can simply be imported using interfaces like ODBC, XML, or Excel – for consistency and perfect integration!

TECHNOLOGY
progress
with a process factor

Flexible – with graphical and object orientation

With earlier CAE systems you had to decide on either graphical or object orientation, EPLAN Electric P8 now offers both: The system guides the user intuitively through the process, and equally supports both the graphical as well as the object-oriented approaches. Work with EPLAN Electric P8 in a manner reflecting your workflow.

Optional – the Interface Configurator

In addition to individual customization, the Interface Configurator also allows storage of the configuration in single working phases. You have immediate access to the relevant information at every step.

Discover
the new
GENERATION

Shorten your throughput times and ensure the quality

of your project documentation!

Variant technology – unique, powerful, convincing

Reuse and standardization are the key words for sustained time savings. Schematic macros for the simple creation of standardized partial circuits accelerate every engineering process. EPLAN Electric P8 goes one step further: Partial circuits (macros) can now be used with graphical variants and predefined value tables. The structures and wiring of functional units are often depicted identically – only the dimensioning and the individual selection may vary. Combinations are now set up within the partial circuits – instead of changing the data individually, you only need to choose the appropriate variant. The project-wide option technology, which allows you to change entire machine and plant configurations at the touch of a button, also accelerates the process.

Project navigators – your command center

Don't lose sight of the bigger picture: Using navigators you can manage your project data from a central location, independently of the individual distribution of the schematics. Objects like terminal strips, for instance, are managed centrally and are clearly shown with their specific properties. The time-consuming finding and replacing of individual schematic views can be eliminated – you can change data in a single step.

Result: Use EPLAN Electric P8 to shape your future!

ePLAN® electric P8

INNOVATION
and passion in
engineering

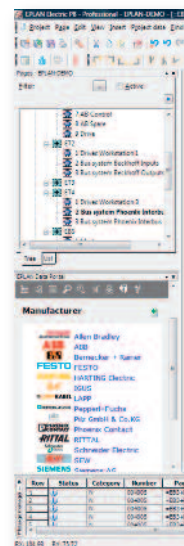### Standardized – with Automated Standards Transfer

EPLAN Electric P8 supports all international standards like IEC, NFPA or the Russian GOST. Automatic standards conversion ensures your international competitiveness in the face of continually growing globalization.

Fascinating – more performance through MS Office integration

The integration of the MS Office environment ensures significant improvement in productivity. Any EPLAN record can be exported to Excel and edited externally without programming skills. For instance, your data for ordering, production, and maintenance can be further processed independent from the system.

Totally global – the user concept for international success

Thanks to its Unicode capabilities, EPLAN Electric P8 can provide schematics in all languages – from the Chinese circuit diagram to the Russian parts list, everything is translated by the system online or after completion. The user is able to plan in his native language. One click and project data is sent with high-speed via email or as a PDF export – worldwide data exchange!
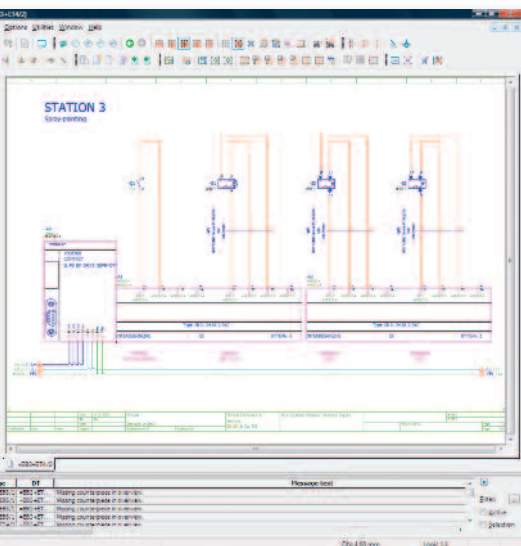
Software Service

Software Service (SWS) is the fastest and easiest way to continue working with the latest EPLAN technology, and take advantage of expert level application assistance and information. With SWS, you'll enjoy valuable benefits such as unlimited technical support service via telephone or email, free software upgrades and exclusive access to our convenient support website.

Training

Our training programs are developed and run by engineering specialists with well-founded training and planning experience. We give you the knowledge and skills that will enable you to compete effectively in the engineering world, from the moment you begin using EPLAN Electric P8. We offer training programs for beginners, advanced associates and administrators, as well as individualized programs for the various requirements in planning, design, as well as other business areas. This diversification guarantees quality and efficiency.

Professional Services

You too can benefit from our professional services. We analyze your savings potential, open up additional uses, and manage the introduction and integration of EPLAN engineering solutions in your system landscape. This service includes individual consultations before selecting systems, customized training and consulting services, as well as the development of specific solutions. Standardization concepts, interface customization, and special programming also belong to our perfectly tailored service package.

Progress with
EPLAN
SERVICES

As a comprehensive engineering solution, EPLAN

Electric P8 is supported by a variety of integrated and

customer specific services that support the successful

implementation of our products and significantly

increase your productivity.

LIMITLESS
possibilities and
maximum integration

Design and Development

- Predefined, or user defined project, page, plot frame, form, symbols files and macro templates
- Quick and easy editing of page and project properties
- Auto connecting and smart connecting — automated connecting / separation of lines / wires, perpendicular and also diagonal
- Macro variants, placeholder technology and project-wide options technology
- Graphical or object oriented design
- Reverse engineering and redlining
- Integrated IEC, NFPA and GOST symbols library
- Automatic standards change
- Automatic connection numbering with adaptable formatting
- Automated DT assignment with adaptable formatting
- Automated editing with scripts
- Preliminary planning based on BOMs or mounting panel population
- Automated generation of cross-references between
    - interruption points, symbols and components, PLC
    - single-line representation ⇔ multi-line representation
    - multi-line representation ⇔ mounting panel
    - Electrical schematic ⇔ fluid plan
- Integrated parts management with free configuration of the parts structure and SQL access
- Single-line, multi-line, overview, mounting panel diagrams
- Intelligent device selection
- Graphical editor with comprehensive editing and drawing functions
- Quick and easy navigation with "go to" and search functions
- Automated wizard for PLC I/O
- Component placement for panel layout
- Navigators for the quick location of project data and direct access to this information (object oriented editing)
- "Search and replace" of page or device properties
- Warning in case of over assignment of terminals
- Bulk data processing of project data in Excel
- Copying / cutting and pasting that spans pages and projects with automatic updating
- Undo and Redo Functions
- Several graphical editors for simultaneous display of several pages
- Graphical display for pages, symbols, macros, devices, cables, plugs, etc.
- "Drag & Drop" of macros from Windows® Explorer to schematic pages
- Check runs for reporting of logical errors in the design
- Quick-info and context sensitive help
- Completely adaptable layer management for selective display of project data
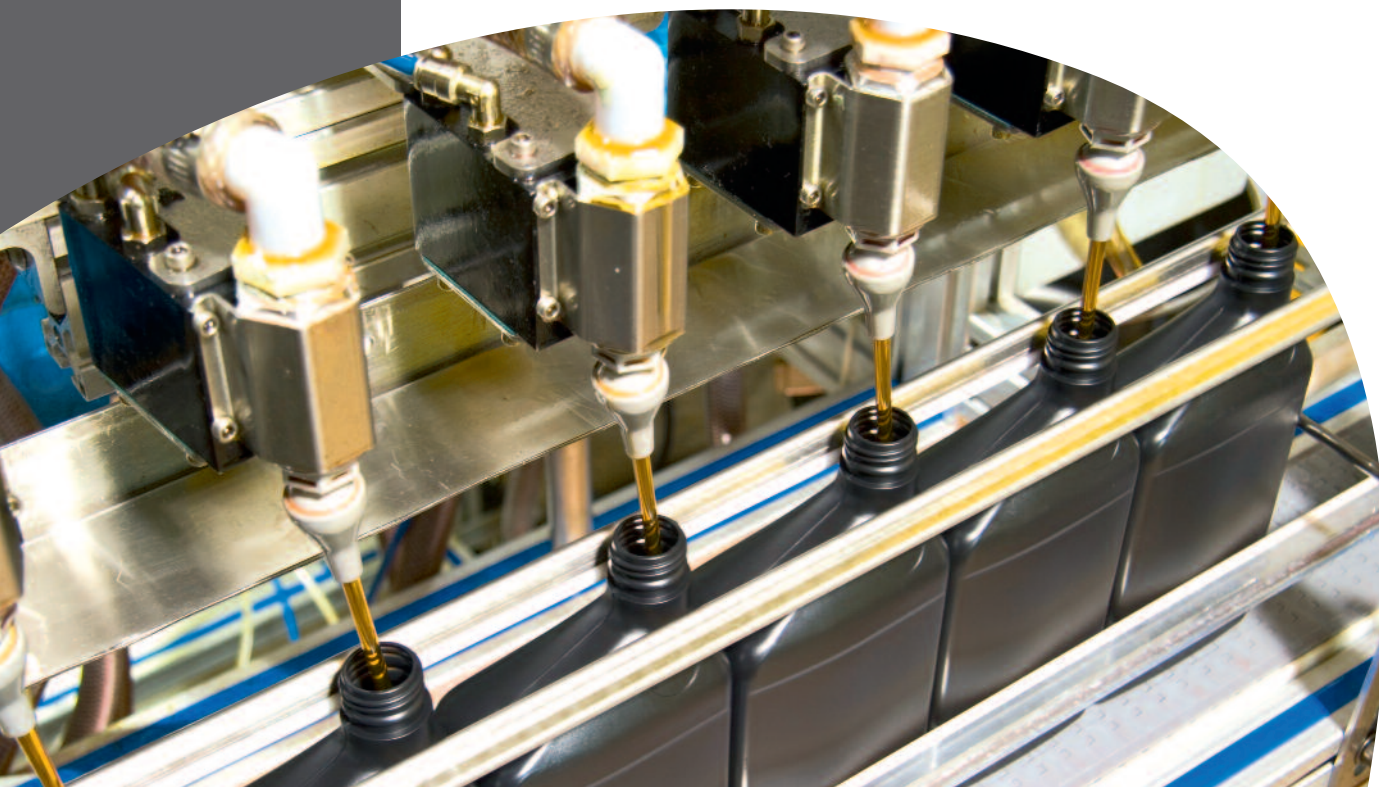- Dimensioning functions with automated single, circular and angular dimensioning

LITTLE
work,
efficient planning

Automated Reporting, Designs and Overviews

- Title page / cover sheet
- Table of contents
- Cable overview and cable diagrams
- Terminal strip overview and terminal diagrams
- Pin connection diagram, plug and symbols overview
- Parts list and device tag list
- Terminal and device connection diagram
- Cable and pin-connection plan
- Connection list
- PLC diagram, PLC card overview
- Potential overview and revision overview
- Structure identifier overview
- Plant overview
- Wiring, device and cable overviews
- Panel layouts with cross-references to schematics and automated scaling of the device images

Management and administration

- Real multi-user access and comprehensive functions for the management of user rights
- Revision management with user defined comparison settings
- User interface available in German, English, Chinese, Danish, French, Italian, Korean, Dutch, Polish, Portuguese, Brazilian, Russian, Swedish, Spanish, Czech, Hungarian …
- Unlimited Unicode capability for the project setup and translation into any language
- RDS network licensing via LAN
- Rights management including individual menu structures
- Automatic project monitoring for conformance to standards and specifications

Configuration and customization

- Configurable user interface with options for creating individual workspaces and customization of toolbars, icons and key assignments
- Creation and editing of project templates, graphical forms and reports, symbols and macros with variants and value tables
- Macro projects for the management and documentation of macro files
- Configurable contact image representations
- Configurable filter settings for lists and tree views

Import/export and interfaces

- DXF/DWG Import/Export with customizable settings
- "Smart PDF Export" with customizable navigation settings
- Import of all important image file formats, like BMP, GIF, JPG, PNG, ICO and TIF
- Export of project pages as various image file formats
- XML import / export
- Integration of hyperlinks to external files or URLs in project pages
- Export/import of project data lists in CSV format
- Copy and paste of information between Microsoft® Office applications
- Parts selection via ODBC, COM or API into existing MRP and ERP systems
- Bidirectional data exchange with PLC/bus configuration systems

FOR
more
CONTINUITY

POWER
Features
EPLAN Electric P8

We offer universal, process-oriented engineering solutions — for your investment in the future! EPLAN Electric P8 will always be able to provide you with a customized solution for your operation, regardless of whether you require the optimization of your electrical design or a design tool that will be integrated into your entire engineering process.

EPLAN Electric P8	Select	Professional
Page Limit	Unlimited	Unlimited
Assembly Reports	✓	✓
Interfacing	✓	✓
Article Reports	✓	✓
Mounting Panel	✓	✓
Overview Reports	✓	✓
Concurrent Engineering	✓	✓
PLC & Bus Extension	+	✓
Single Line	+	✓
Revision Management	+	✓
Multi Language Translation	+	✓
Project Management	+	✓
Graphical Reports		✓
EPLAN Data Portal	*	*
Change of Standard	+	+
User Rights Management	+	+
Project Options		+
API Extension		+
EPLAN Schematic Generator		+
EPLAN Project Reference		+
EPLAN Add-Ons	Select	Professional
EPLAN Cabinet	+	+
EPLAN Fluid	+	+
EPLAN PPE	+	+

✓ Standard-feature + Available as add-on * only available with Software-Service

EPLAN

your Engineering

Internationality without limits

Our customers work around the globe – so do we

With 18,000 customers and 60,000 installations worldwide, the German based software provider has been demonstrating the success of consistent practice orientation with international presence for over 20 years. More than 50 sales and service centers provide worldwide support spanning over six continents. As a 100% Rittal subsidiary, EPLAN Software & Service belongs to the Friedhelm Loh Group. EPLAN is a synonym for innovative strength, continuity, progress and investment security in this strong business group.

EPLAN Competence Center
Rittal Ltd.

Headquarters:

Braithwell Way · Hellaby Industrial Estate · Rotherham S66 8QY

Phone: +44-1709-704 100

Fax: +44-1709-730 285

info@eplan.co.uk · www.eplan.co.uk

Subsidiary Scotland:

7 Dunlop Square · Deans South West Industrial Estate ·
Livingston EH54 8SB

ePLAN