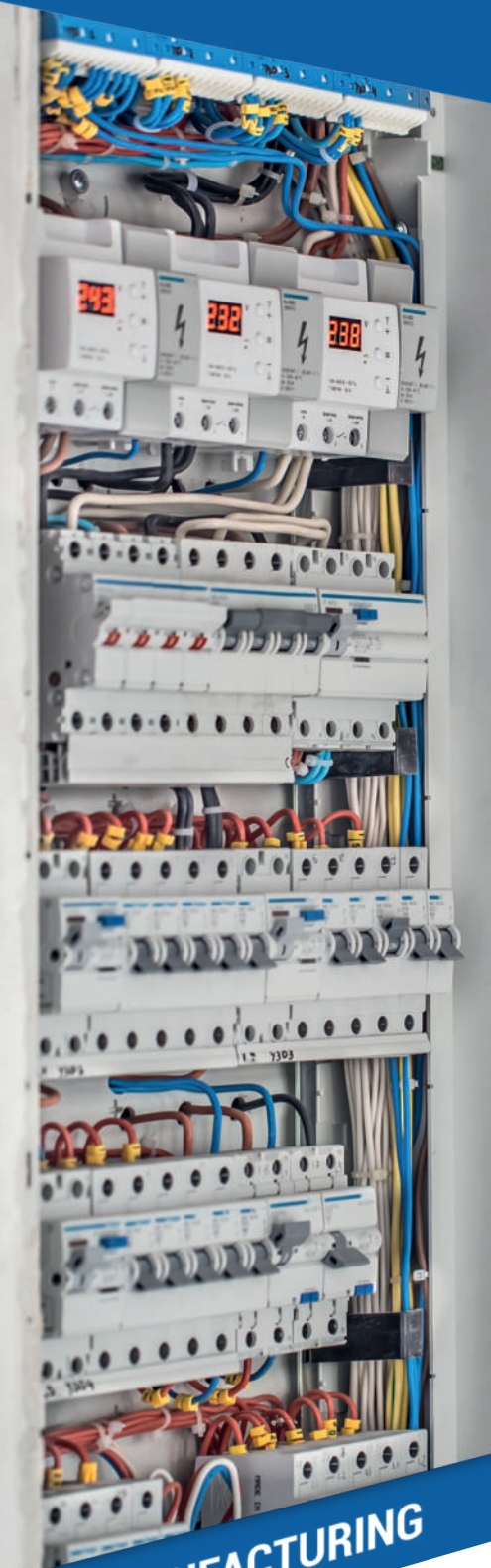


E&I Electrical Designer

With Built-in AutoCAD OEM Graphics Engine



MANUFACTURING



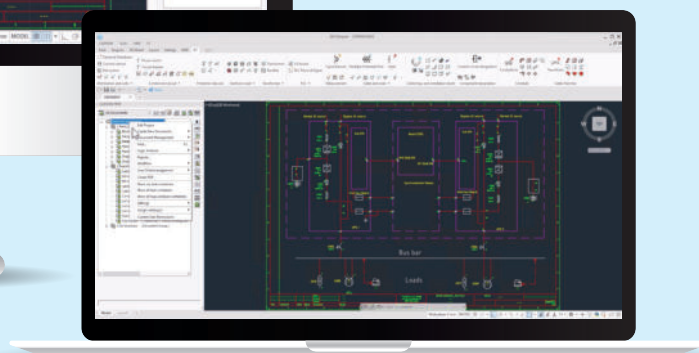
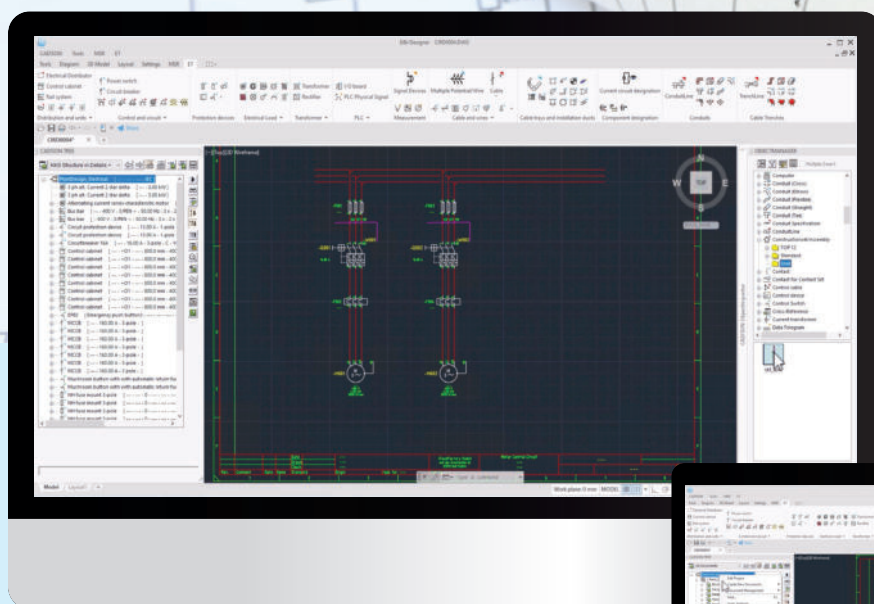
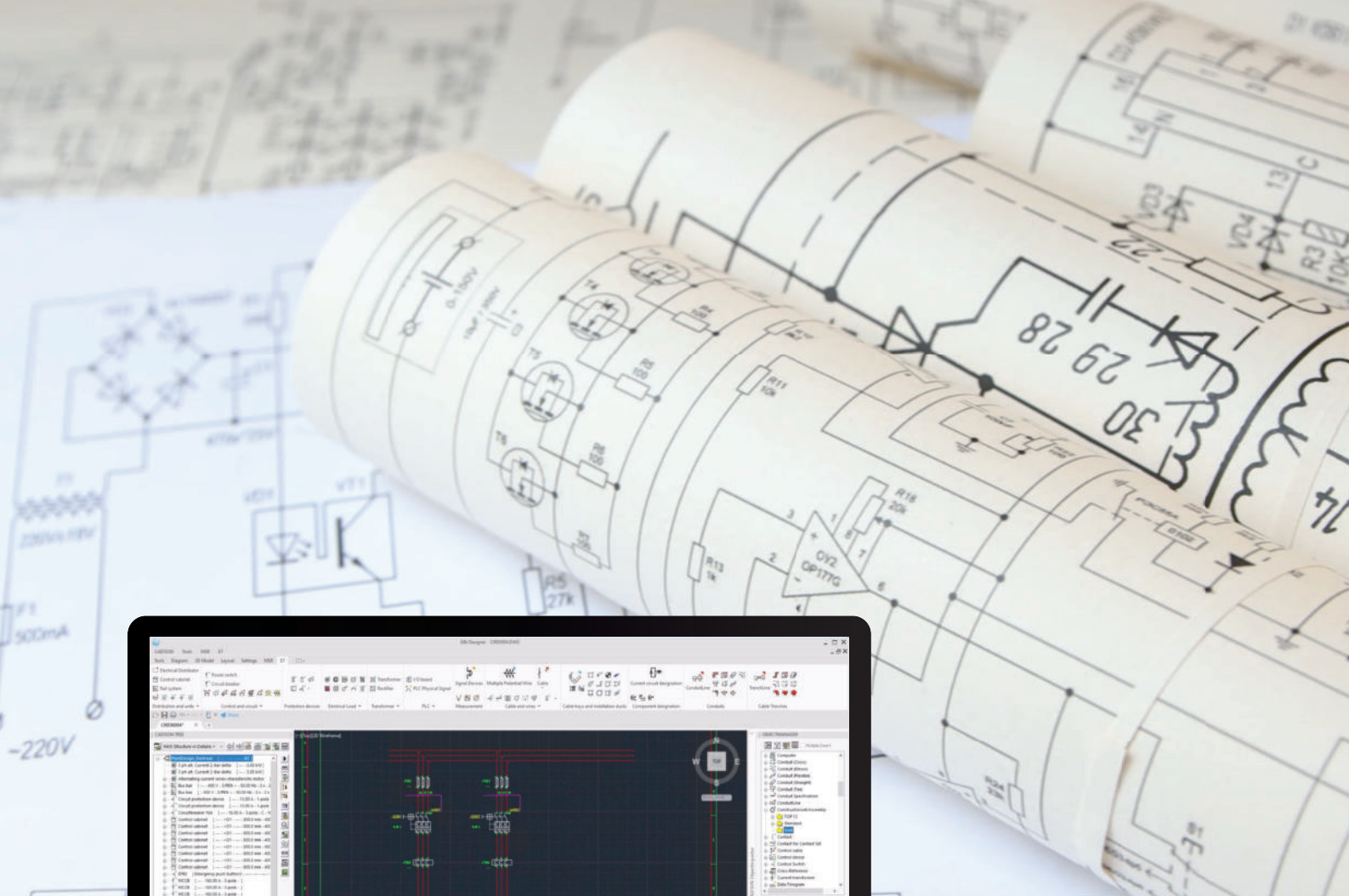
PROCESS



CONSTRUCTION

Efficient & Intelligent Electrical Design Solution

Schematics | Change management | Data management (PDM)
Automatic customized Report generation & Calculations



The need for a comprehensive Electrical Design Solution

Traditionally, Electrical engineers have used spreadsheets & basic CAD tools to conceptualize, calculate and create electrical drawings for planning and documenting . However, this approach leads to many challenges of maintaining consistency, accuracy in data & project information, changes and revision control, etc.

Some established solutions which provide similar functionality as E&I Electrical Designer turn out to be very expensive and comprehensive only when many modules are purchased.



E&I Electrical Designer

Introducing E&I Electrical Designer, our comprehensive and integrated, easy-to-use software solution for Electrical Design in the Manufacturing, Process and Construction segments. It is a cost effective solution with a built-in Database & an AutoCAD OEM engine which results in the best value-for-money in the Electrical segment.

"E&I Electrical Designer has exceeded our expectations. After using it, we have overcome the challenge of recreating drawings for every project and achieved our goal of deliverables on time. Its construction-set feature reduced our drafting time by 30-40%. The results were terrific. E&I Electrical Designer offers all the capabilities such as links between schematics, terminal arrangements, cable schedules, asset lists and other data, avoiding rework and saving us time and money. The user interface is intuitive, which makes it easy for even our less tech-savvy colleagues to operate."

Chief engineer of a reputed manufacturing company

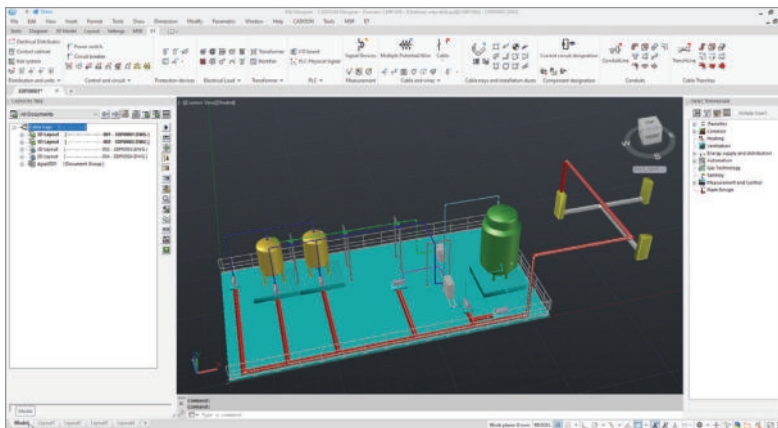
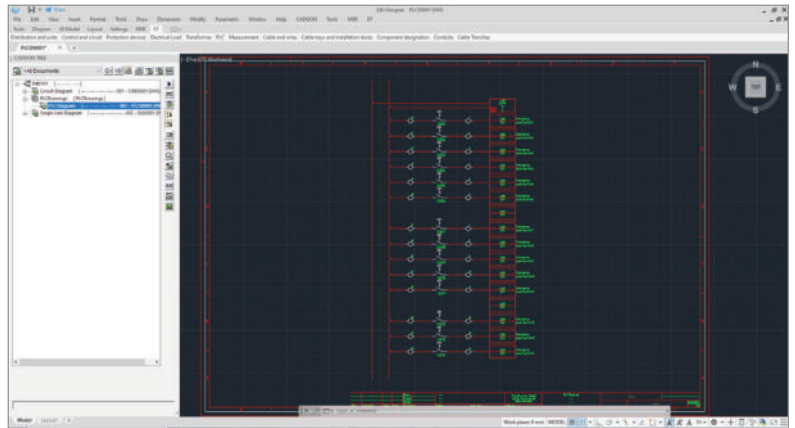
Highlights

- German technology
- Increases the efficiency up to 30%
- All-in-one solution for electrical design engineering
- Built-in AutoCAD OEM engine
- Automation of some electrical design engineering tasks
- 3D Cable trays, Cable trench, Calculations of Cable length
- Company-level Standardization
- Flexible licensing options available: Subscription and Perpetual
- Direct Hotline & Training Support from us

Exceptional Efficiency and Intuitive Intelligence

Seamless Elementary Design Automation

E&I Electrical Designer allows automation of elementary design engineering tasks so that manual errors are avoided, and the focus remains on strategic work. Key features include intelligent schematics, automated device-tagging, flexible wiring styles, distributed representation support, and dynamic number assignment. Experience time savings with automatic PLC drawing generation, easy symbol creation, and configurable reports.

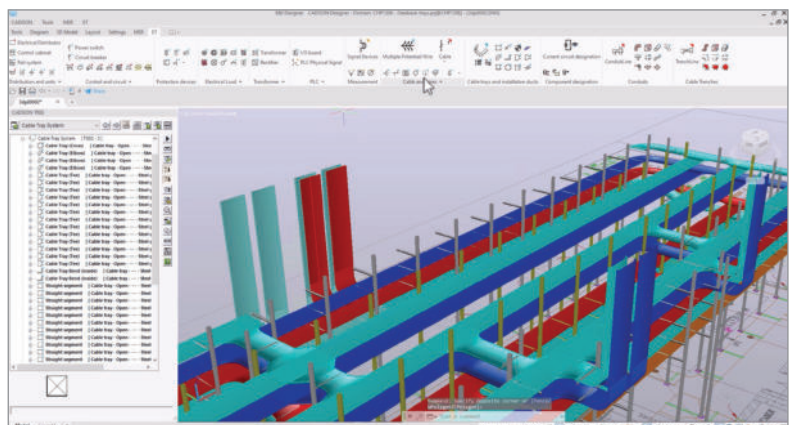


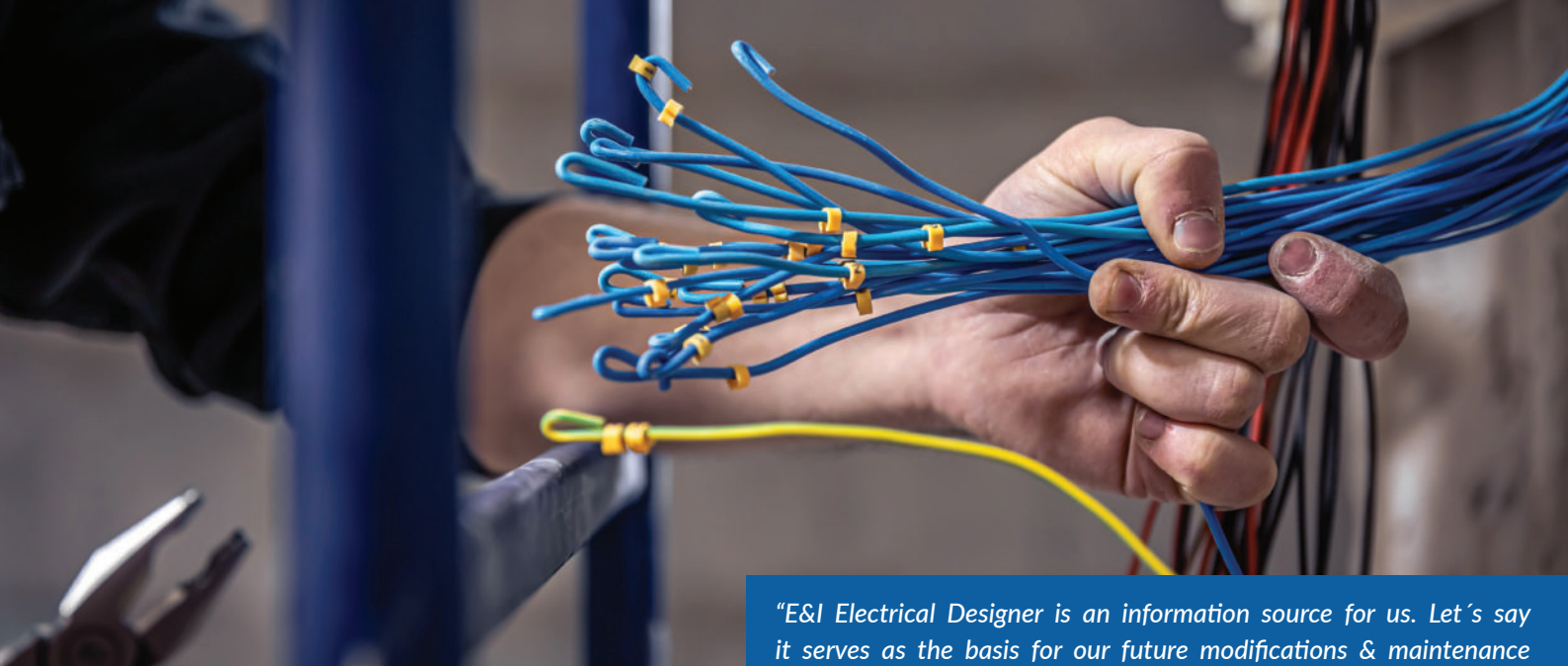
Accurate Spatial Planning and Enhanced Wiring Design

E&I Electrical Designer enables users to undertake space planning of components for panel layout design. Standard catalogs of panels/enclosures are available with easy drag-and-drop functionality for the quick generation of a 3D layout of panels. E&I Electrical Designer can check cable tray, cable mounts and supports information through 3D models of panel design, and extract 2D-section views from the 3D models.

Realistic Representation and Improved Installation planning

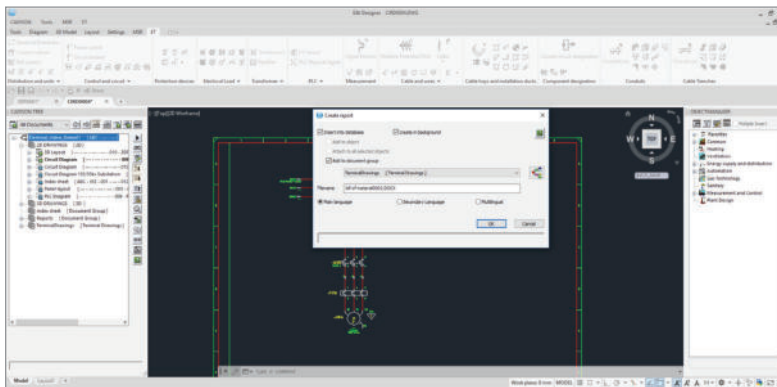
The intuitive interface enables users to quickly create complex cable trays, conduits and trenches. Users can assign start (from) and end (to) points of cable in 3D using the Cable Scheduler. The built-in intelligence auto-suggests the next component for routing based on the cursor position in the drawing.





"E&I Electrical Designer is an information source for us. Let's say it serves as the basis for our future modifications & maintenance requirements."

Peter Hibnar, VAMED AG



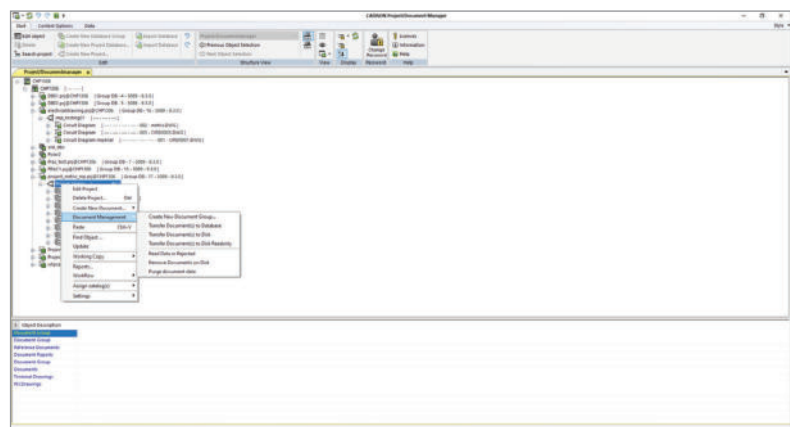
Accurate, Reliable and Flexible

Schematics can be developed in E&I Electrical Designer using key one-line diagrams, load lists and I/O lists. These allow built-in cable sizing, transformer sizing, battery-sizing, earthing and cable tray fill factor calculations; thereby helping electrical engineers to perform quick calculations while working on drawings.

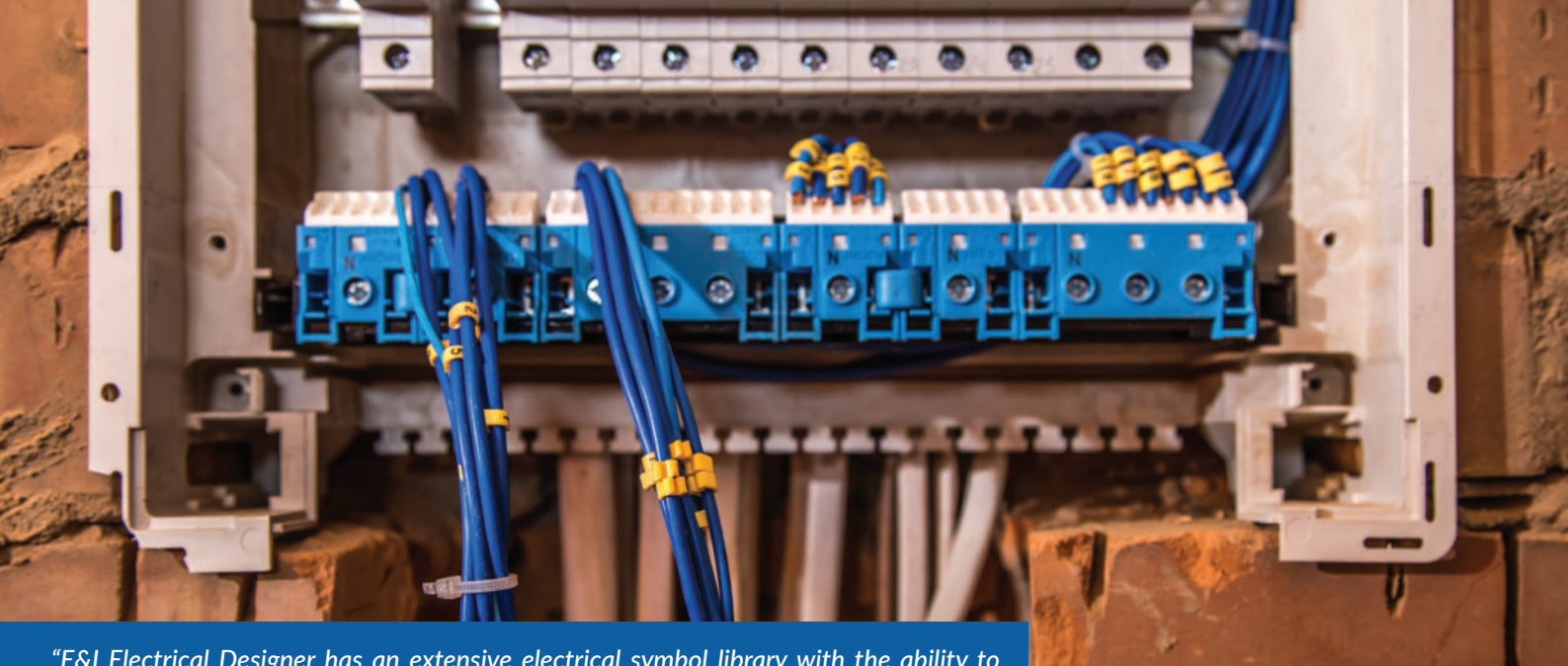
Reports can be generated at project, drawing, structure and object levels for manufacturing, in various predefined formats such as BOM, MTO, cable lists and cable-tray lists.

Seamless Project Document Management

With built-in Revision Control and Workflow Management, track and document project revisions seamlessly. The Electronic Document Management System (EDMS) centralizes and organizes project documents, offering version control and real-time change management. Access control safeguards against unauthorized modifications, ensuring document integrity. Streamline design management with E&I Electrical Designer.



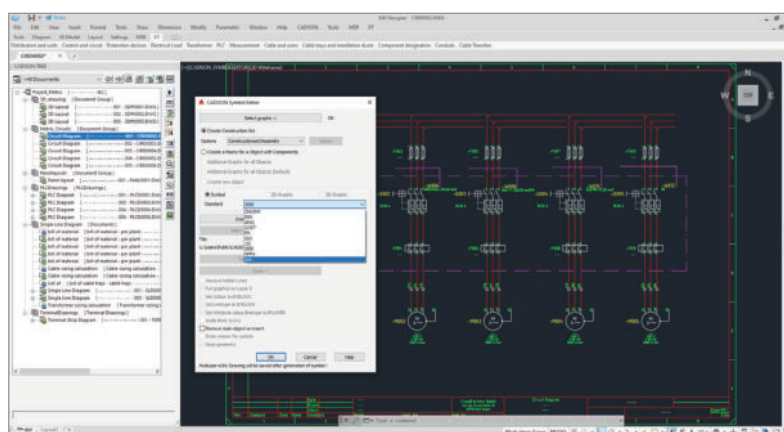
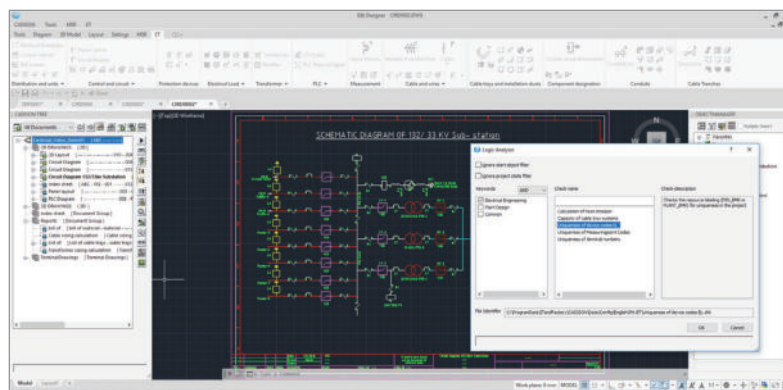
"We highly recommend E&I Electrical Designer to anyone facing challenges to improve their workflows, reduce their drafting time, obtain quick updates of multiple objects, and generate reports and various asset lists, in formats such as Word, Excel and PDF files."



"E&I Electrical Designer has an extensive electrical symbol library with the ability to update parameters on specific drawings via a spreadsheet or database in an intelligent way. It helps us generate multiple specific drawings from a single typical drawing."

Built-in quality checking tool - Logic Analyzer

The Logic Analyzer provides design validation, verification, and quality assurance. Users can detect errors in drawings and designs and prevents costly rework, iterations, and delays. They can define specific rules and conditions based on their project requirements or internal standards. The software runs automated checks based on the defined rules and identifies potential issues.



Market-ready Approach

A versatile software solution that effortlessly converts electrical and instrumentation drawings to .dwg and .dxf files. Its intuitive Design Construction set simplifies the creation and management of symbols, assemblies, and schematics, reducing rework and maximizing reusability. With a comprehensive library of standard symbols and customizable options, it ensures compliance with industry standards and empowers you to align it with your company's specific requirements.

Why choose E&I Electrical Designer?



Configurable & Customizable

E&I Electrical Designer has been designed to ensure that its unique features are customizable to individual company standards, thereby offering an optimal solution.



Tailored Electrical Design Solution for Manufacturing, Process and Construction industries

E&I Electrical Designer has been developed as per industry-specific requirements and delivers the required flexibility and scalability. It caters to every segment with a positive impact on project performance and ROI.



Buy or Subscribe: Flexible Licensing Options

Available in both, perpetual (lifetime) and annual subscription options, allowing the user to choose as per their requirement.



Modern and Easy-to-Learn Interface

E&I Electrical Designer comes with a built-in graphics engine with a modern and intuitive user interface. This makes it easier for new users to quickly learn and use, thereby increasing their engineering efficiency.



E&I Electrical Designer



Built in AutoCAD OEM

E&I Electrical Designer includes AutoCAD OEM, as an inbuilt graphic engine which eliminates the additional investment on AutoCAD. Users can leverage their existing AutoCAD knowledge, reducing the learning curve.



Feature Rich yet Cost Effective

Affordable, feature-rich solution with a minimal learning curve and infrastructure investment, including low annual maintenance cost.



Excellent Support Team

The Support Team offers excellent online and offline technical support for maximum efficiency. Additionally, we also provide specialized training programs that can be customized.

"The efficiency of our team has increased as also the ease with which our electrical drawings can be generated, managed and checked after every revision we make."

Francesco Moraschinelli - Electrical Team Leader, Turboden



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Visit www.enidesigner.com to download a free trial



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