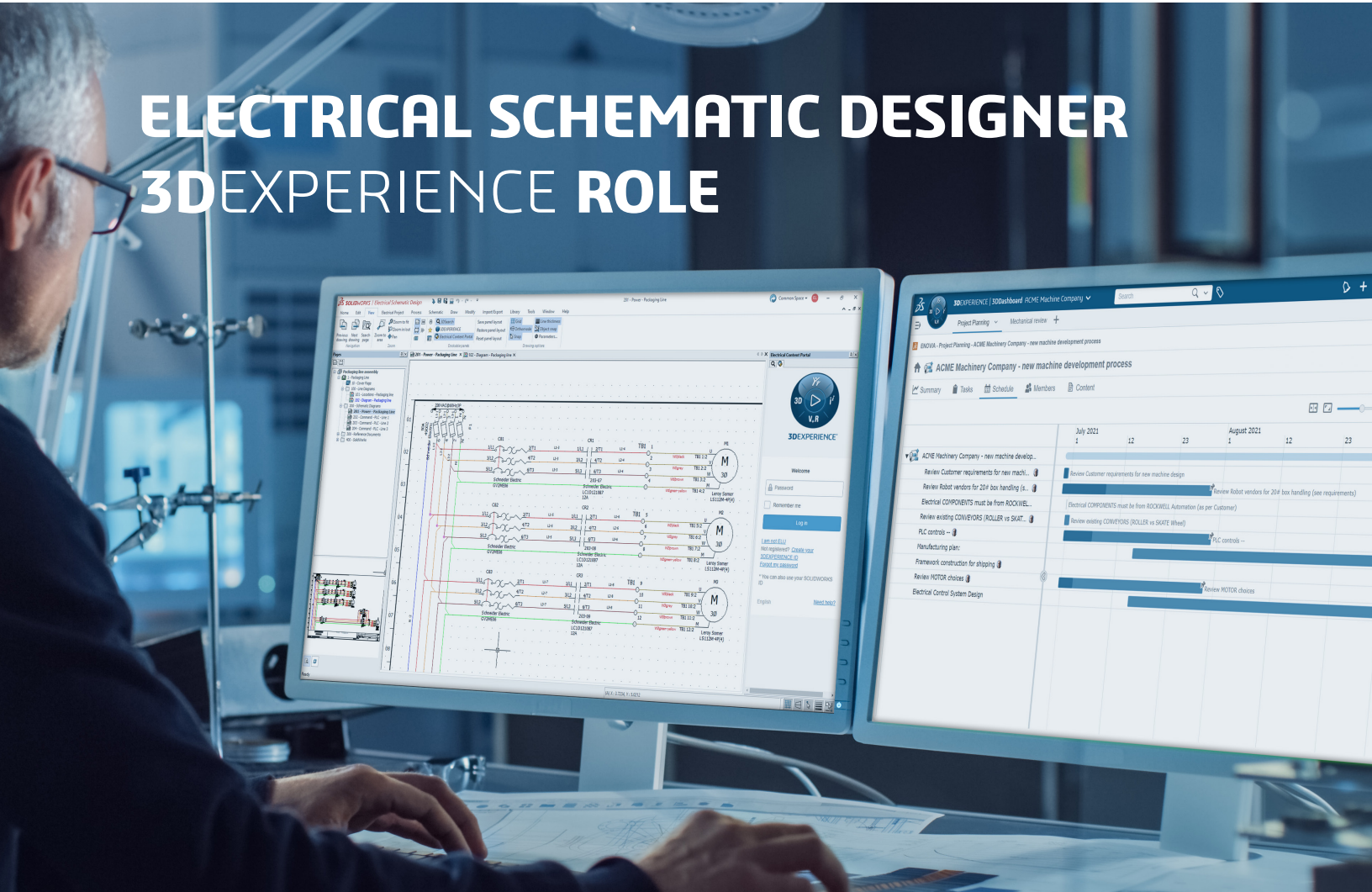




ELECTRICAL SCHEMATIC DESIGNER 3DEXPERIENCE ROLE



CREATE PRODUCTION-READY ELECTRICAL SYSTEM DESIGNS RAPIDLY IN THE CLOUD

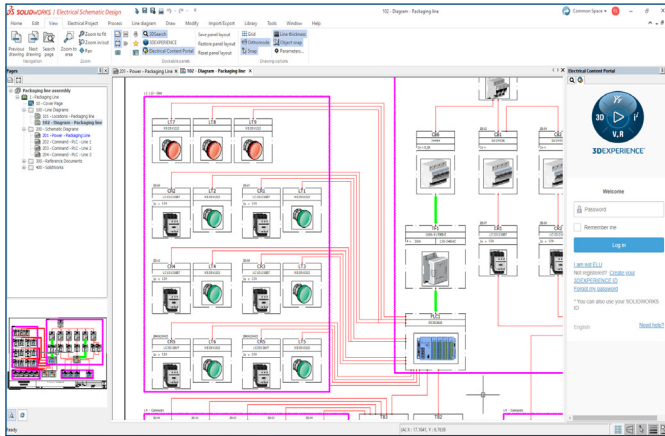
Bring products to market faster by streamlining the design of electrical and control systems in machinery, equipment, and other products on the 3DEXPERIENCE® platform.

OVERVIEW

Electrical Schematic Designer, a powerful, easy-to-use electrical CAD solution connected to the 3DEXPERIENCE platform, helps you design the electrical and mechanical aspects of your products concurrently, shrinking development cycles. Simplify the electrical design process with connected web-based libraries of symbols and manufacturer part information, streamlining tedious design tasks including terminal block to contact cross-reference assignments. Create, store, manage, and collaborate on your designs on the platform, taking advantage of its built-in data and product life-cycle management and collaboration tools.



KEY CAPABILITIES



Create electrical systems using Electrical Schematic Designer connected to the **3DEXPERIENCE** platform.

- **Single-line schematic:** Produce complex electrical systems using simple pictorial representations of electrical components and interconnectors.
- **Multiline schematic:** Create traditional schematics using a simplified user interface optimized to manage repetitive tasks.
- **2D control panel (cabinet) drawings:** Generate 2D panel representations from an electrical schematic, with 2D outlines of electrical components.
- **Electrical component and symbol library:** Access an extensive library of industry-standard schematic symbols, combined with a database of manufacturer parts, to provide an easily customizable and adaptable parts base through easy-to-use import tools.
- **Design and reuse:** Reuse circuit design elements (circuit macros), along with non-Electrical Schematic Designer content, through easy-to-use import wizards.
- **Automated terminal drawings:** Create terminal drawings automatically based on and synchronized with the real-time schematic design.

- **Report generation:** Generate reports automatically based on real-time design database queries and create custom reports via integrated custom report creation tools.
- **Automated contact cross-referencing:** Automatically cross-reference electrical contacts in real time and synchronize them based on availability and type of contacts from manufacturer-specific components.
- **PLC tools:** Automate many PLC wiring design tasks, and import PLC data and labels, with the programmable logic controller (PLC) management tools.

CAPABILITIES OF THE 3DEXPERIENCE PLATFORM

With its growing solution portfolio and secure cloud technology, the **3DEXPERIENCE** platform enables you to manage all facets of your product development process while reducing infrastructure costs, IT overhead, software maintenance, and complexity. All **3DEXPERIENCE** solutions work together seamlessly, simplifying data management, sharing, and collaboration across your entire business ecosystem. Electrical Schematic Designer can take advantage of the following platform capabilities:

- Store all your design data in a centralized, secure location in the cloud.
- Install and launch Electrical Schematic Designer from the **3DEXPERIENCE** platform.
- Manage the life cycle of any type of content— including electrical projects, 3D design files, simulation models, and documentation—across disciplines and CAD applications.
- Streamline data management with built-in revision control and branching.
- Navigate tabular and 3D design data simultaneously, and easily validate the differences between two product structures.
- View, share, annotate, discuss, visualize, and manage designs from any device with a web browser.
- Intuitively toggle between all **3DEXPERIENCE** platform solutions to design complex assemblies that include a variety of design types.

Our **3DEXPERIENCE**® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.



3DEXPERIENCE®