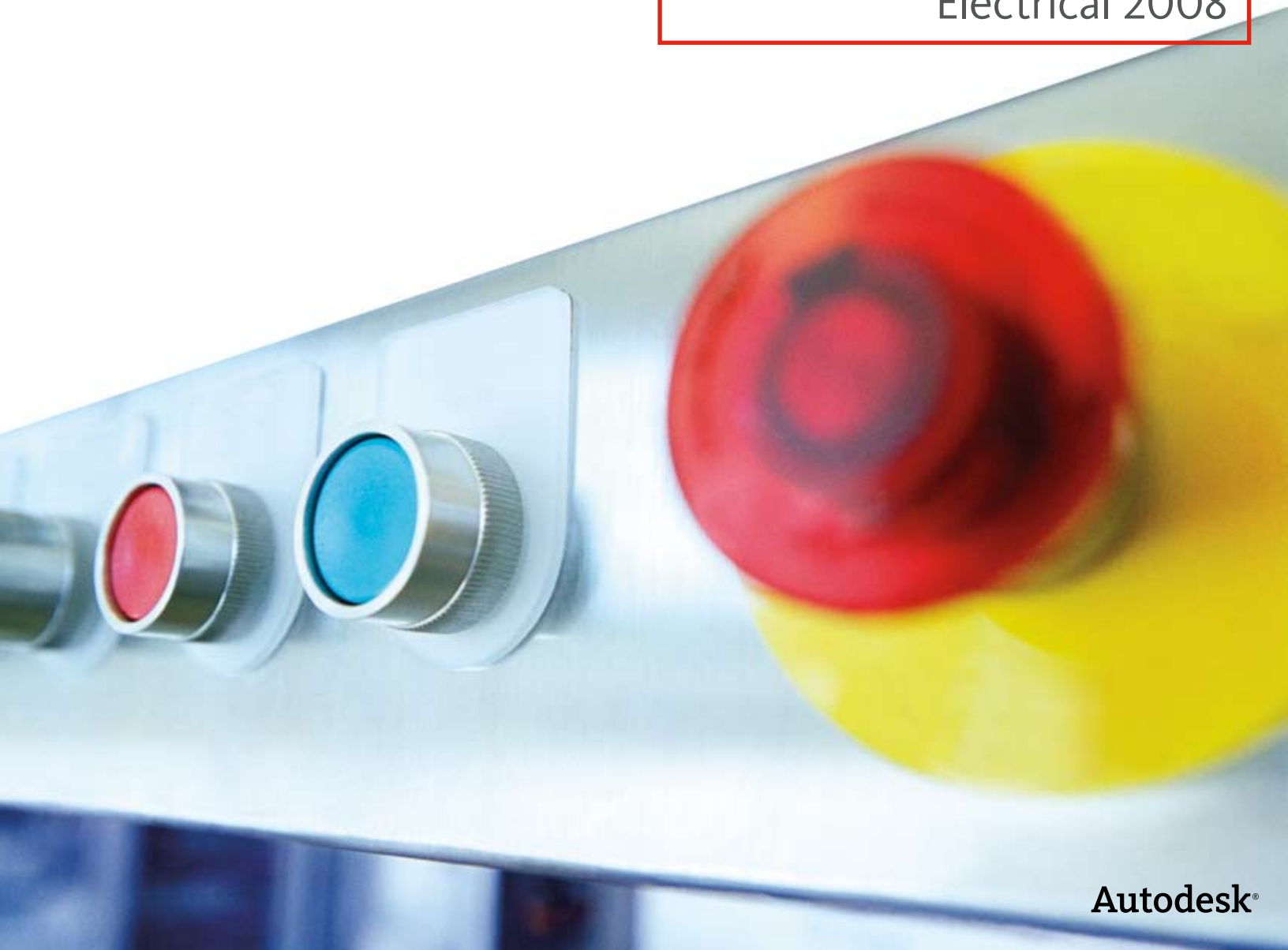


Get wired.

**AutoCAD<sup>®</sup>**

Electrical 2008



Autodesk<sup>®</sup>

# The AutoCAD Electrical Advantage

Until now, electrical controls designers have relied on generic software applications to get their job done. This can be problematic because they require manual layout of electrical schematics, often introduce design errors, and provide no simple way to share design information—a combination that ultimately can cost your company time and money.

## Facing these issues?

- Creating electrical controls designs with generic software is limiting your productivity.
- Errors reaching the shop floor are causing delivery delays.
- Components are not being ordered because of inaccurate bills of materials (BOMs).
- Manually adding electrical controls information into 2D or 3D mechanical designs is tedious.
- Sharing designs with downstream users is error-prone and difficult.
- Designers are spending too much time manually generating reports.
- Use of design standards is inconsistent.
- Designers are unable to easily find and reuse designs.

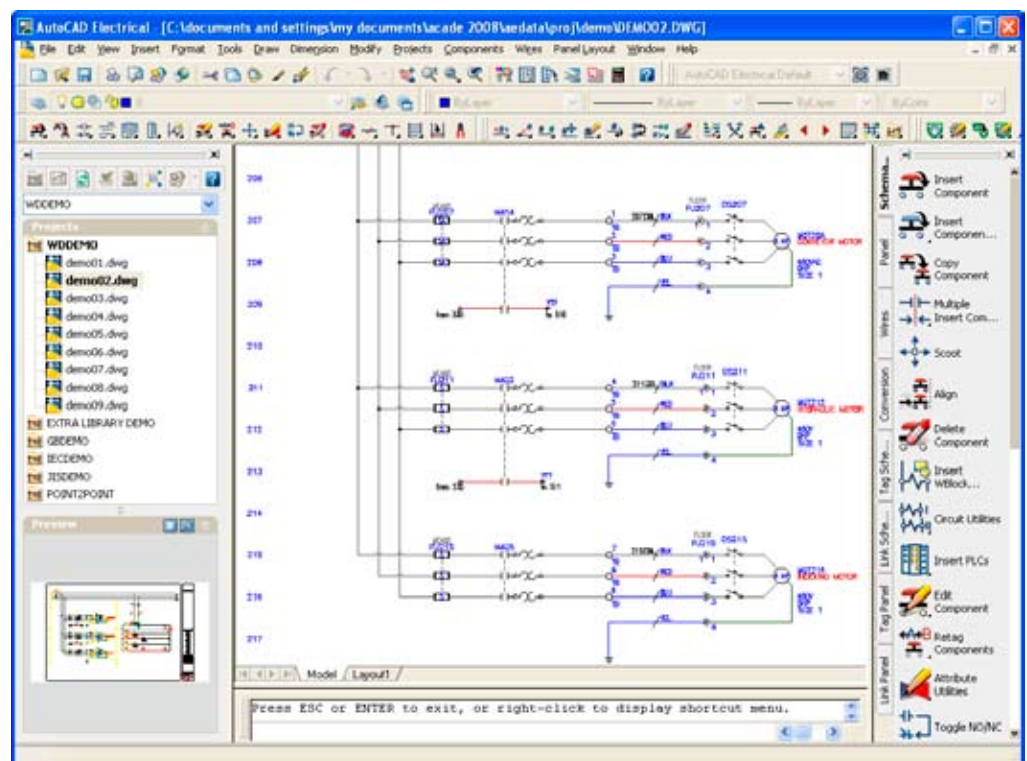
Discover why so many electrical controls designers are using AutoCAD Electrical.

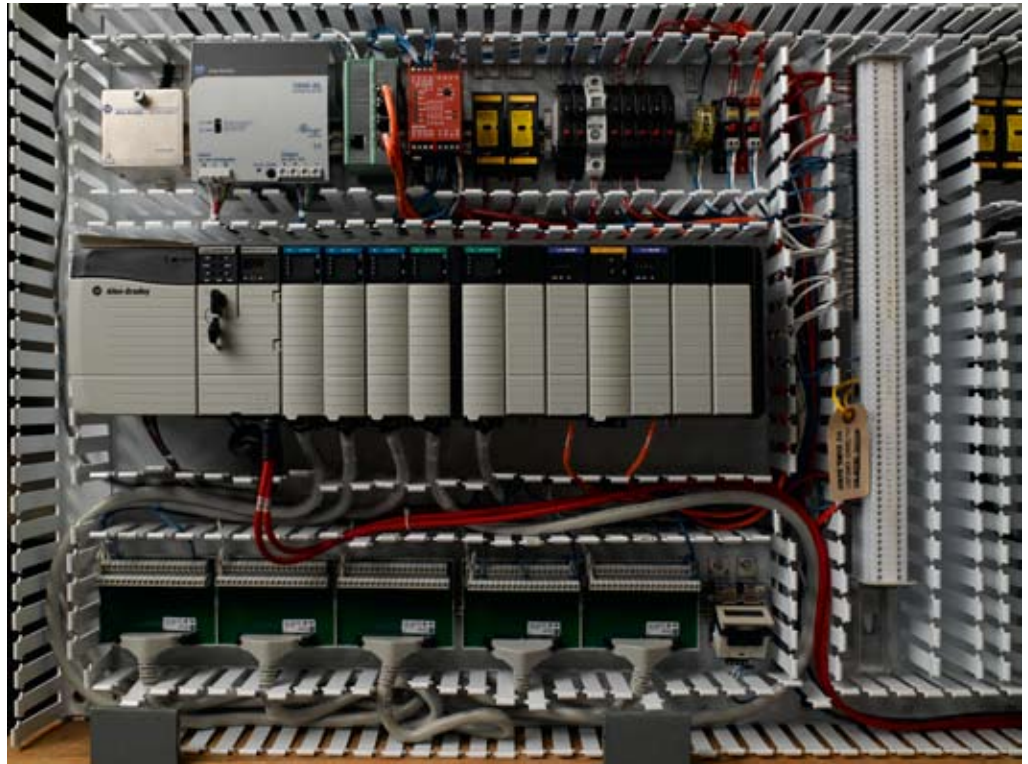


Take advantage of an application that delivers the tools needed to design and modify electrical controls faster and more accurately than ever before: AutoCAD® Electrical software, the leading 2D application built specifically to create and modify electrical controls designs. AutoCAD Electrical enables users to increase design productivity, reduce errors, automate key control systems design tasks, and facilitate collaboration—all while maintaining a smooth integration with the AutoCAD® environment you're familiar with today. Stay ahead of the competition with AutoCAD Electrical—the only logical choice for electrical controls design.

## Increase Your Productivity

When engineers create electrical controls designs using software not specifically built for electrical design tasks, they must often find manual workarounds to get the job done. These manual workarounds waste valuable design time and limit productivity. Since AutoCAD Electrical software is purpose-built, it automates many of the manual tasks associated with creating accurate designs, allowing more time for designing and engineering. AutoCAD Electrical enables both electrical and mechanical teams to work collaboratively by making it easy to share the electrical intent from the controls design in AutoCAD Electrical with many other Autodesk® applications.





### Reduce Errors and Inconsistencies

As engineers create electrical controls designs using generic tools, it's easy to introduce errors and design inconsistencies. Minimizing these errors from the design process before they reach the shop floor provides a distinct advantage over the competition—it can mean the difference between success and failure of a project. AutoCAD Electrical includes automatic error-checking capabilities that help designers avoid errors in real time and catch problems before the build phase of a project. In addition to reducing errors, AutoCAD Electrical helps companies reduce costs by offering support for local and international standards. AutoCAD Electrical also provides a comprehensive library of manufacturer content, enabling users to produce standards-based designs using a consistent set of manufacturer components. In the end, using AutoCAD Electrical helps companies reduce costs and stay ahead of the competition.

### Automate Reporting Tasks

Once a design is complete, it's time to share the design and its associated information with the teams responsible for ordering parts, building the control panel, and running the wires. Creating crucial reports such as parts lists, bills of materials, and from/to wire lists by hand is error-prone and time consuming. When using traditional methods of creating reports, even the smallest design change can lead to errors that could result in delivery delays to the customer. To help your company prevent costly delays, AutoCAD Electrical includes robust, automated reporting tools so the design data being shared with downstream users is correct and up-to-date with the latest information. AutoCAD Electrical also includes comprehensive manufacturer content libraries that give users the ability to specify components from a consistent set of manufacturer content, helping to further reduce purchasing costs by facilitating volume pricing with vendors for common items.

### Now Is the Time

Interested in having more time for design and engineering? Then now is the time to take a look at AutoCAD Electrical.

## Ten Reasons to Move from AutoCAD to AutoCAD Electrical 2008

1. Comprehensive Symbol Libraries
2. Automatic Wire Numbering and Component Tagging
3. Automatic Project Reports
4. Real-Time Error Checking
5. Real-Time Coil and Contact Cross-Referencing
6. Create Smart Panel Layout Drawings
7. Electrical-Specific Drafting Features
8. Automatically Create PLC I/O Drawings from Spreadsheets
9. Share Drawings with Customers and Suppliers and Track Their Changes
10. Reuse Existing Drawings

For more details, go to  
[www.autodesk.com/  
autocadelectrical-productivity](http://www.autodesk.com/autocadelectrical-productivity)

### Create Intelligent Electrical Controls Designs

Increase productivity and reduce errors with AutoCAD Electrical—purpose-built to design and modify electrical controls faster and more accurately than ever before..

## Autodesk Manufacturing

Never before have design applications and data management tools come together to simplify the way manufacturers design products and drive them through the manufacturing process. Autodesk provides a complete, interoperable line of industry-leading software integrated with a worldwide network of services and partners. Gain access to technical expertise for implementation, and utilize training and support programs direct from Autodesk to help use your design and data management software more effectively. Software maintenance programs allow you to stay up-to-date with the latest product releases and upgrades for your software. Designed to be deployed incrementally for minimal business disruption, Autodesk tools for manufacturing provide the most effective way to stay ahead of the competition and achieve maximum return on your software investment.

### Learn More or Purchase

Create and revise electrical designs faster than ever with AutoCAD Electrical. For more information, visit [www.autodesk.com/autocadelectrical](http://www.autodesk.com/autocadelectrical).

For more information on extending the power of your design technology, visit [www.autodesk.com/subscription](http://www.autodesk.com/subscription).

For more information on making the most of your software investment, visit [www.autodesk.com/consulting](http://www.autodesk.com/consulting).

Purchase AutoCAD Electrical software through your Autodesk Authorized Reseller. To locate the reseller nearest you, visit [www.autodesk.com/reseller](http://www.autodesk.com/reseller).

Images courtesy of R.A. Jones

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