

The AUTOCAD Electrical Advantage

The Logical Choice for Electrical Controls Design AutoCAD® Electrical is AutoCAD® software for controls designers, purpose-built to create and modify electrical control systems. Automated tasks and comprehensive symbol libraries help to increase productivity, reduce errors, and provide accurate information to manufacturing.

Stay ahead of the competition with AutoCAD Electrical software, which offers significant productivity gains over AutoCAD software by automating many of the complex tasks associated with creating accurate, industry-standard electrical control systems.

Increase Productivity

When engineers create electrical control systems using software not specifically built for electrical design tasks, they must often find manual work arounds to get the job done—wasting valuable design time and limiting productivity. Since AutoCAD Electrical software is AutoCAD for controls designers, it contains many features and benefits that enable users to dramatically increase design efficiency, while maintaining a smooth integration with the familiar AutoCAD environment. A recent study shows up to an 80 percent increase in productivity when moving to AutoCAD Electrical from AutoCAD. AutoCAD Electrical helps manufacturers get their products to market faster with lower costs.

Reduce Errors and Comply with Industry Standards

As engineers create electrical controls designs using generic tools, it is easy to introduce errors and design inconsistencies. The ability to virtually eliminate errors before they reach the shop floor can provide a distinct competitive advantage. AutoCAD Electrical includes automatic error-checking capabilities that help designers perform real-time diagnostics to catch problems before the build phase of a project.

In addition to reducing errors, AutoCAD Electrical helps companies compete in the global marketplace by offering support for regional and international standards. With more than 350,000 components from the industry's most popular vendors—including more than 3,000 intelligent PLC I/O modules— AutoCAD Electrical provides a comprehensive library of manufacturer content, enabling users to produce consistent, standards-based designs.

Manage Design Data

Once the design is complete, it is important to share accurate design and part information with manufacturing.

Creating crucial parts lists, BOMs, and from/to wire lists using software that is not built specifically for these tasks can waste valuable time and resources. AutoCAD Electrical includes robust automated reporting tools so the design data being shared with downstream users is correct and current.

In addition, AutoCAD Electrical is tightly integrated with Autodesk Data Management applications, which enables the efficient and secure exchange of design data and promotes earlier collaboration between design and manufacturing workgroups.

Facilitate Collaboration

AutoCAD Electrical enables both electrical and mechanical teams to work collaboratively by making it easy to share the electrical design intent for cables and conductors directly with team members using Autodesk® Inventor® software, adding valuable electrical controls design data to the digital prototype.

Users can also publish DWF™ files directly from AutoCAD Electrical and securely collaborate on 2d and 3d designs with customers, suppliers, and others outside the group. Different workgroups can manage and track all components of a digital prototype with the free† Autodesk® Design Review software—the all-digital way to review, measure, mark up, and track changes to designs—enabling better reuse of critical design data, management of BOMs, and collaboration with other teams and partners.

Now Is the Time

Want to get unparalleled productivity from your controls design process? Then now is the time to move to AutoCAD Electrical and get wired today.

Source: <http://electrical-all.blogspot.in/2010/06/autocad-electrical-advantage.html>