

## **What is CADWorx Electrical?**

CADWorx Electrical is the electrical DWG-based 2D CAD design module of CADWorx Electrical & Instrumentation Design Suite, used to produce intelligent circuit diagrams including electrical schematic diagrams, wiring diagrams, 1-line diagrams, cable block diagrams and loop diagrams. CADWorx Electrical has a rich set of CAD drawing and database tools to automate and speed the production of electrical circuit diagrams and comes with standard symbol and manufacturers parts libraries.

CADWorx Electrical is an extremely powerful tool for producing 2D electrical and control diagrams and associated reports. CADWorx Electrical is typically used by Power Distribution, Switchgear and Control Systems designers. CADWorx Electrical consists of highly productive design tools and a set of comprehensive libraries to be used with CAD and Database systems.

CADWorx Electrical increases efficiency by using its in-built tools to automate repetitive tasks forced upon the designer, such as automatic circuit cross referencing, project wide global attribute editing and automated wiring diagram construction. Labour costs in your design projects can be significantly reduced by these efficiency gains.

CADWorx Electrical increases accuracy by checking for circuit errors such as inconsistent cross sheet continuations, open circuits, short circuits, and duplicated tag use. Accuracy improvements reduce “sheet flipping” checks and the “rework” associated with errors. This leads to obvious cost reduction in your design projects.

CADWorx Electrical has an open structure which allows flexible design practices and user choice of standards and can be simply customized to work your way. The CADWorx Electrical database interface “Ebase” allows designers to work on diagrams as engineers work on specifications and tagging for those diagrams – true concurrent engineering.

The CADWorx Electrical user interface is loaded into a CAD program (AutoCAD/BricsCAD). Most native 2D CAD commands, techniques and methods of design are available in the CADWorx Electrical user interface.

CADWorx Electrical also includes a Cable Scheduler module, which provides an interface to an underlying database, either Access or SQL Server.