

DESIGN IT!

ELECTRICAL AND INSTRUMENTATION DESIGN SOFTWARE

KEY FEATURES

- Unlimited number of projects and unlimited size per project
- Automated Design
- Multiple site databases
- Integrated Electrical and Instrument Design
- Configured with existing libraries and symbols
- Motor Management
- Motor Specification Sheets
- MCC Management
- MCC Block Diagram & Arrangement
- Equipment Management
- Equipment Specification Sheets
- Electrical Cables and Inter Connections
- Dynamic and Flexible Search and Filter Capabilities
- Instrument Index
- Instrument Specification Sheets
- Instrument Cables and Inter Connections
- Instrument Hookup Drawings
- Central Management of all Motor Schematic and Instrument Loop Drawings.

Design It! Overview

Design It! is an electrical and control systems engineering design software package that automates the process completing designs and drawings. It includes drawing elements for motor schematics, instrument loop diagrams, motor control centre arrangements and block diagrams. **Design It!** is an automation tool with the flexibility to suit the users' needs during the estimating, design, construction and operational phases in the life cycle of a facility.

Design It!'s integrated approach to database design shifts the master document from paper based to electronic based. The paper drawings generated are the result of design, not the source. All design elements are maintained within a database, so that each item is repeatedly checked and managed within the overall design. It automatically generates and maintains information ranging from power distribution centres to PLC and DCS systems.

Design It! provides the user with maximum control to define the format of tags, report lists and CADD drawings. **Design It!** builds each motor schematic, instrument loop diagram and MCC block diagram individually starting from the border. Each item listed in the database has a corresponding CADD

symbol or line. As the database items are "read" the corresponding object is placed in the correct location on the page and wired. The symbol, drawing presentation and orientation of the drawing are user definable, all without the need to learn any code. Simply select the area on the drawing surface and update **Design It!**

Engineering offices will benefit from **Design It!** because of its ability to automatically complete a design sequence based upon user defined rules.

Maintenance offices will benefit by applying the same rules to updates and revisions. With **Design It!**, maintenance offices will be able to manage all of their documents and keep them current with the plant.

Design It! is uses Microsoft's

SQL Server database. This product is compliant to the ODBC, open database connectivity standard. Using this technology **Design It!** is able to offer connectivity into a variety of applications and products. Many maintenance management products use SQL Server as their database choice. **Design It!** is able to communicate with these databases and offer links between data collected for the engineering design and the plant maintenance systems.

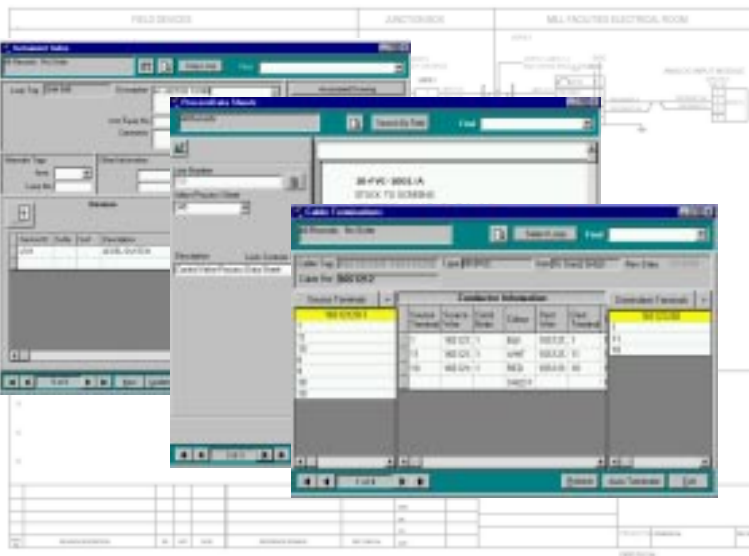
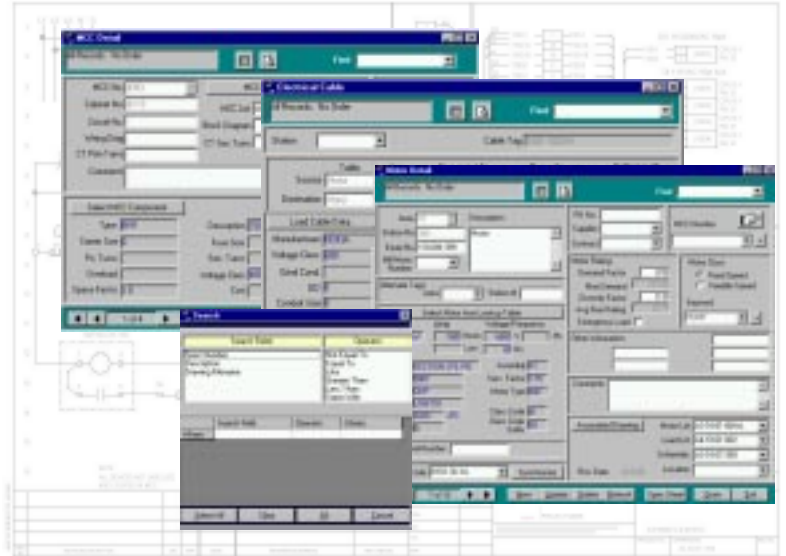
Blue Heron Software Ltd., is proud to be the developer of **Design It!** We offer **Design It!** as a "shrink wrap" solution with the option to add specific enhancements. Whatever the requirement, Blue Heron Software Ltd. is available to offer a solution to meet your needs.



Design It! is an automation tool sufficiently flexible to suit the users' needs during estimating, design, construction, and operational phases in the life cycle of a facility.

Electrical Design

- Motor Management
- Motor Specification Sheets
- MCC Management
- MCC Block Diagram & Arrangement
- Equipment Management
- Equipment Specification Sheets
- Dynamic and Flexible Search and Filter Capabilities
- Electrical Cable Management
- Cable Termination Management
- Cable Raceway Loading
- Voltage Drop Analysis
- Motor Schematic Drawings



Instrumentation Design

- Instrument Index
- Instrument Specification Sheets
- Process Data Sheets
- Instrument Cable Management
- Cable Termination Management
- Cable Raceway Management
- Voltage Drop Analysis
- Instrument Hookup Drawings
- Calibration Settings
- Dynamic and Flexible Search and Filter Capabilities
- Control System Point Management

Active Development Efforts

Blue Heron Software Ltd. and Bitwyse Solutions Inc., of Boston have created a strategic alliance for engineering and plant design solutions. Bitwyse Solutions are the developers of plant design software. Together, Blue Heron Software and Bitwyse Solutions are creating a bi-directional interface between **Design It!** and their Active P&ID product. We are also creating a new product for designing single line diagrams. The process will be similar to P&ID Development.

Also in the development stages is a facility to integrate **Design It!** with the Intools database for those using Intools for their instrumentation facilities. Our control system definition will also be extended to include fieldbus.