

A rich, interactive, stand-alone environment for design reviews and change auditing.

VeSys is a suite of wiring and harness design software tools to meet the demanding requirements of companies where ease-of-use and value are as important as functionality. Optimized for rapid deployment and easy installation, VeSys helps users achieve dramatic ROI using powerful yet intuitive functionality.

VeSys Advantage

The VeSys Design and VeSys Harness tools can be used individually, or deployed together allowing wiring design data to flow seamlessly into the associated harness designs reducing effort and minimizing the risk of errors.

- Rapid, right-first-time, error-free electrical, and harness design with numerous validation features including simulation for continuity, voltage-drop, and current directions and calculations.
- Automated harness engineering for creation of production-ready drawings, BOMs, costings, NC files, and manufacturing reports.
- Integration with 3D CAD systems – model in 3D and engineer the electrical detail with VeSys.
- Designed by engineers, for engineers. It's intuitive and easy to use – comes with video tutorials, "how-to" documents, support from an active user community, and online training courses.
- Full data compatibility with companies using Capital – ideal for partners, suppliers, and sub-contractors of OEMs.

POWERFUL

- Design of complete electrical systems & wiring harnesses
- Full process: system design & manufacturing
- Validated designs using integrated electrical behavior and design automation with part selection
- Built-in intelligent libraries for components, symbols and simulation models

INTUITIVE

- Built by engineers, for engineers: natural circuit design and harness development environment
- Easily deployed into existing process/environment
- Simulation validates the electrical design as it is created

PRODUCTIVE

- Demonstrable ROI with payback in less than 12 months
- Automated report generation, cross-referencing and parts selection
- Integration with MCAD systems, PLM systems, and Capital add-ons, such as Capital Publisher

VeSys Design

VeSys Design provides a graphical environment for creating wiring diagrams. Full electrical design authoring is made easy via an intuitive user interface and electrically intelligent symbols. Built-in electrical intelligence automates many design tasks.

Simulation helps designers check and validate their designs, as they are created. This eliminates errors faster and earlier in the design process. It also shows voltages and currents, highlighting problem areas such as short circuits and validating wire and fuse sizing.

VeSys automatically generates reports for wires, connectors, and devices used in the design. Diagram index-tables and device and wire index-tables, with full sheet and zone referencing, can be added to the drawings and these are updated automatically as changes are made.

VeSys Harness

VeSys Harness provides a graphical environment for creating harness and formboard drawings. Its intuitive user interface makes harness design authoring easy. Built-in harness-engineering intelligence automates many design tasks. For example, connector tables are automatically populated as wires are added, terminals selected, and wire tables generated.

VeSys Harness includes a powerful automated parts selector that automatically configures and selects terminals, seals, and wires for each connector, including allowances for add-ons and knock-offs. This speeds the harness design and eliminates the major source of problems found in the traditional design process.

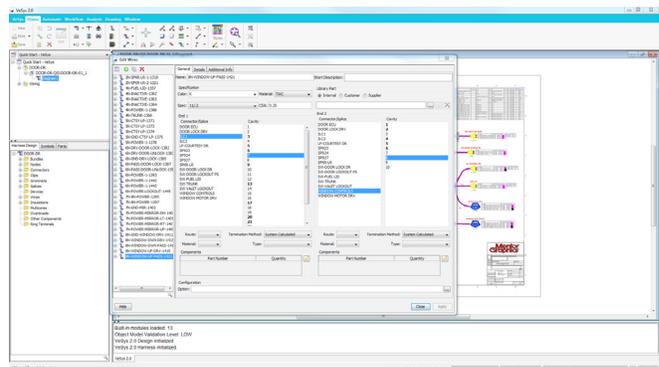
Once a harness is complete, the powerful VeSys Harness reporting capabilities can be used to generate the documentation required for manufacturing. Because the reports are automatically generated directly from the design drawing, fast and accurate information is assured. This can significantly reduce production lead times and preventing manufacturing errors.

VeSys Implementation

VeSys is simple to use, ships with detailed video tutorials, and require minimal training. Experienced support staff within an active user community forum can provide immediate support and answers to questions. Also available is a virtual workshop environment and on-demand training.

Collaboration and UpScaling

VeSys is a subset of the Capital suite of software applications that helps the leading automotive, aerospace, and harness OEMs deliver products. VeSys not only can collaborate between another VeSys OEM, it can share data with suppliers using Capital. You can also extend VeSys with Capital "add-ons" like MCAD integration, PLM integration, Analysis, Publisher, and TVM/Workbooks. And full up scaling upgrade to full Capital capabilities when you need more collaboration, automation, or are designing with more complexity in your products.



Views for easy configuration and analysis of harness data.

For the latest product information, call us or visit: www.mentor.com/vesys

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