



The electrical simulator for Creo® Schematics

Simulate and validate designs quickly and accurately; improve efficiency and quality, save time and money

Electrical Simulator

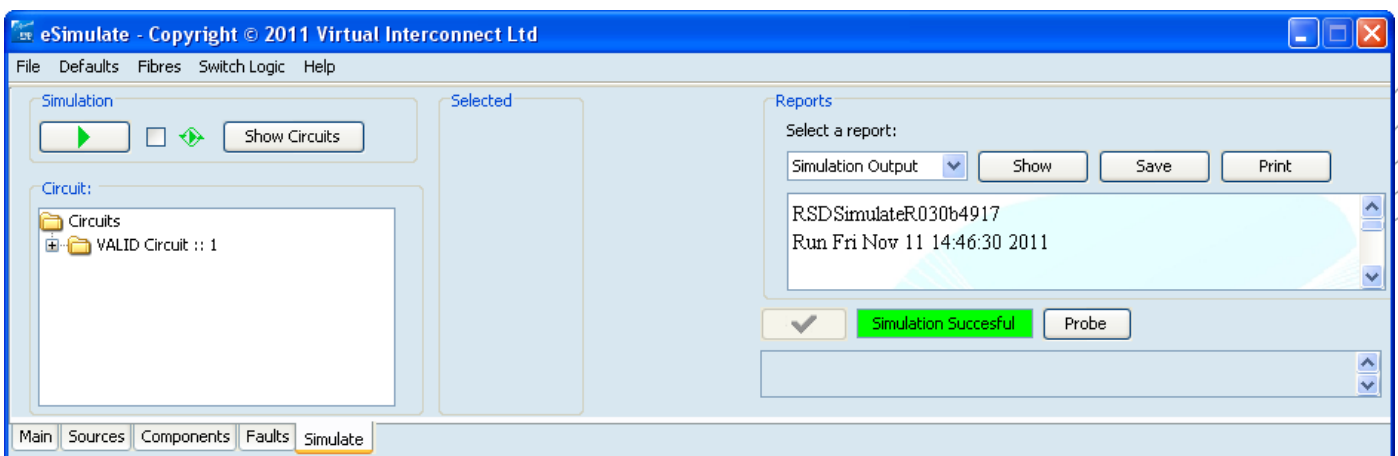
eSimulate, Virtual Interconnect's electrical simulator for Creo Schematics, gives electrical engineers a fast and accurate way to analyse electrical circuits. It is designed to allow engineers and designers to quickly and efficiently determine the optimum combination of components, terminals and wires, whatever they are designing. By providing useful information early in the design process and by minimizing the need for expensive prototypes, eSimulate simplifies the design process and saves time and money.

Benefits

eSimulate provides the electrical engineer with extremely valuable information, throughout the design process. Utilizing this information, designs can be iterated and improved, easily checked and validated, without the need for expensive prototypes or costly delays waiting for manufacture. eSimulate allows you to create a virtual prototype of your electrical wire harness, optimize its design and check for faults. Ultimately eSimulate saves time and money whilst improving efficiency and quality.

eSimulate Features:

- Fully Integrated with Creo Schematics and Routed Systems Designer™
- SPICE-based electrical simulator
- Voltage margin analysis
- Automatic wire overload detection
- Automatic validation of design prior to simulation
- Flexible workflow
- What if scenarios
- Simulate existing designs
- Use your own libraries
- Multi-environmental analysis



eSimulate has a user-friendly interface that allows the engineer to quickly choose sources, components and fibers, create "What-if" scenarios and simulate results



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Data Sheet



Functionality and Capabilities

The tables below gives more details on the functionality and capability of eSimulate:

Analysis
Voltage margin
DC Voltage and Current
Transient Pulse Testing
Voltage Probing
Current Probing
Wire Power Loss
Ground circuit
What if scenarios
Multi-circuit simulation
Multi-sheet simulation

Design Rule Checking
Automatic wire overload detection
Automatic validation of design prior to simulation
Short circuit
Contact capacity
Automatic wire gauging
Sneak/parasitic load
Component Power Dissipation
Component Overvoltage Detection

Integration
Integrated with Creo Schematics
Interface with Creo Piping and Cabling Extension Module
Utilize existing Libraries

Maintenance

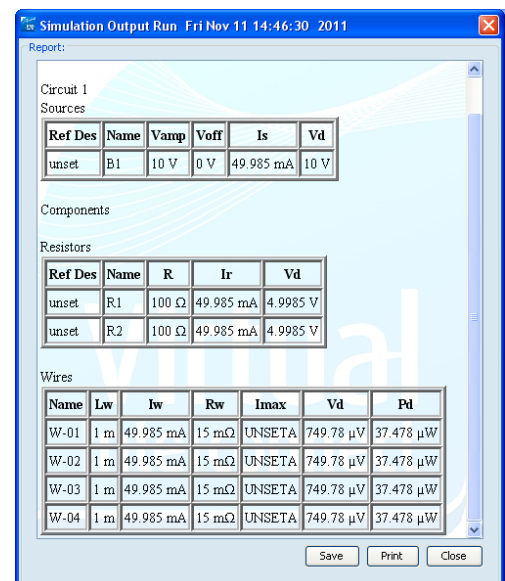
Our maintenance contract ensures eSimulate is kept up-to-date and includes free upgrades and support for complete peace of mind.

Customisation

If eSimulate doesn't quite meet your needs, talk to us about customisation.

Find out more

Contact us to talk about your specific needs. Registered PTC maintenance users can visit our web shop www.virtual-interconnect-shop.com to download **eSimulate Lite**—the free trial version of eSimulate.



Many useful reports are available to help analyse your circuit. These can be saved, compared and provide dynamic feedback

How to buy

Visit our web shop www.virtual-interconnect-shop.com or contact us to discuss your requirements.



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