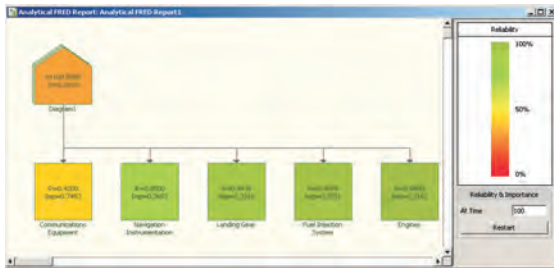


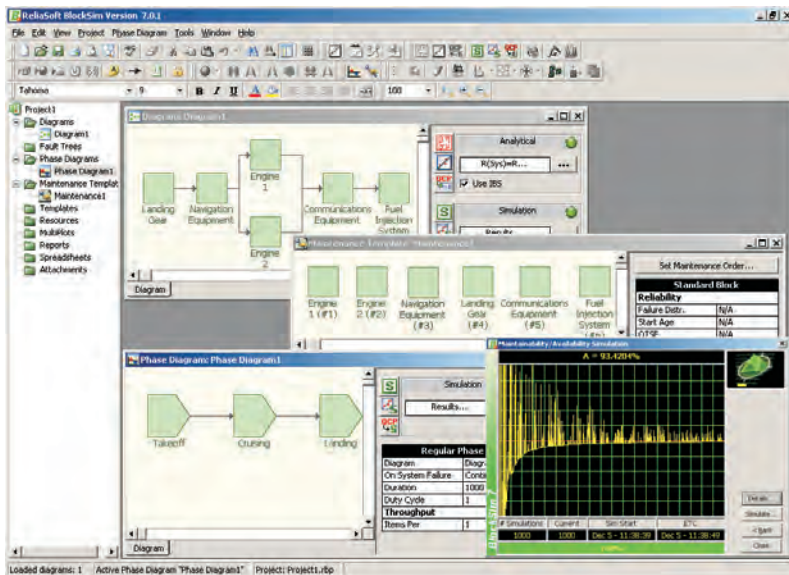
BLOCKSIM

The Ultimate System Visualization and Analysis ToolSM

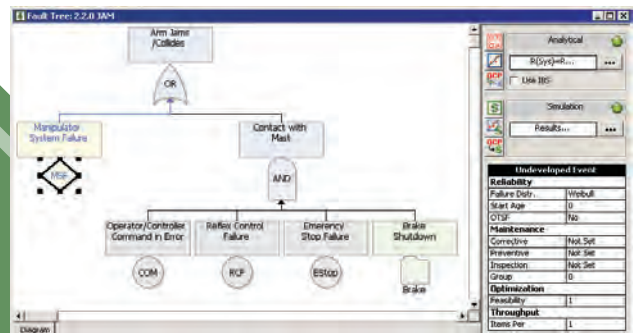
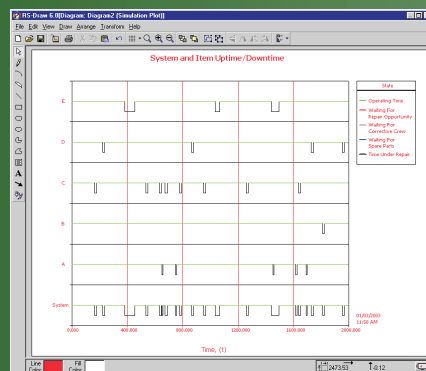


ReliaSoft's **BlockSim** provides a comprehensive and flexible platform to model systems and processes using both reliability block diagram (RBD) and fault tree analysis (FTA) approaches. An extensive array of RBD configurations and FTA gates and events are supported, including advanced capabilities to

model complex configurations, load sharing, standby redundancy, phases and duty cycles.



Using exact computations and/or discrete event simulation, **BlockSim** supports a wide variety of analyses for both repairable and non-repairable systems. This includes reliability, maintainability, availability, reliability optimization, throughput, resource allocation, life cycle cost and other analyses.



<http://BlockSim.ReliaSoft.com>

SYSTEM ANALYSIS WITH BLOCK DIAGRAMS OR FAULT TREES

BlockSim provides a comprehensive platform for system reliability and maintainability analysis, reliability optimization, system throughput, life cycle cost and related analyses using the exact system reliability function and/or discrete event simulation. BlockSim provides sophisticated and flexible capabilities to model systems and processes using a Reliability Block Diagram (RBD) or Fault Tree Analysis (FTA) approach... or a combination of both!

Reliability Block Diagrams and Fault Trees

Simple drag-and-drop techniques make it easy to build reliability block diagrams and/or fault trees to model the simplest or the most complex systems. All of the traditional RBD configurations and FTA gates and events are supported, along with advanced capabilities to model complex configurations, load sharing, standby redundancy, phases, duty cycles, and more.

Extensive Simulation Options for Repairable Systems

BlockSim's sophisticated and realistic simulation engine can be used to generate reliability, maintainability and availability results/plots and also for resource allocation, throughput, life cycle cost and related analyses. Flexible simulation factors include:

- Duty Cycles
- Corrective Maintenance, Preventive Maintenance (PM) and/or Inspection Policies
- Maintenance Durations, Restoration Factors, Direct and Indirect Maintenance Costs, Availability of Spare Parts and Maintenance Crews
- Throughput (constant or variable with time)

Results Based on Exact System Reliability Function and/or Simulation

BlockSim provides a wide variety of calculated results and plots for both repairable and non-repairable system analyses. Using an exclusive algorithm pioneered by ReliaSoft, the software algebraically computes the exact system reliability function for even the most complex system. To provide an even larger set of analysis options, this capability is supplemented by a powerful and flexible discrete event simulation engine.

Optimum Reliability Allocation and Other Capabilities

Additional capabilities that have been built in to this powerful system analysis package include:

- **Optimum Reliability Allocation:** By leveraging its capability for exact system computations, **BlockSim** can be used to determine optimum reliability allocation strategies based on your inputs regarding the cost and feasibility to improve each component's reliability.
- **Optimum Replacement:** An easy-to-use utility calculates the optimum Preventive Maintenance time given information about reliability and costs.
- **FRED Reports:** Graphical reports designed to use reliability metrics to identify components that may require improvement.
- **Custom Analyses:** Flexible spreadsheets facilitate your own custom analyses, which may include calculated results automatically inserted via the Function Wizard and customized graphical charts.

Platform

Windows NT, 2000, XP or Vista.

Languages

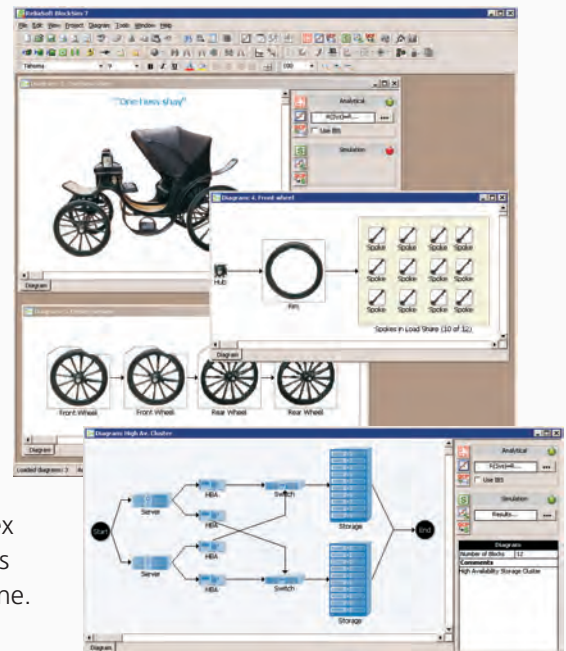
English, German, French, Portuguese and Simplified Chinese.

Integration

Weibull++, ALTA, Xfmea, RCM++ and SRC's PRISM.

Support

ReliaSoft's unparalleled after-sale support includes free telephone, fax or e-mail support. Free minor version updates are also included.



ReliaSoft.



TOOLS TO EMPOWER
THE RELIABILITY PROFESSIONAL