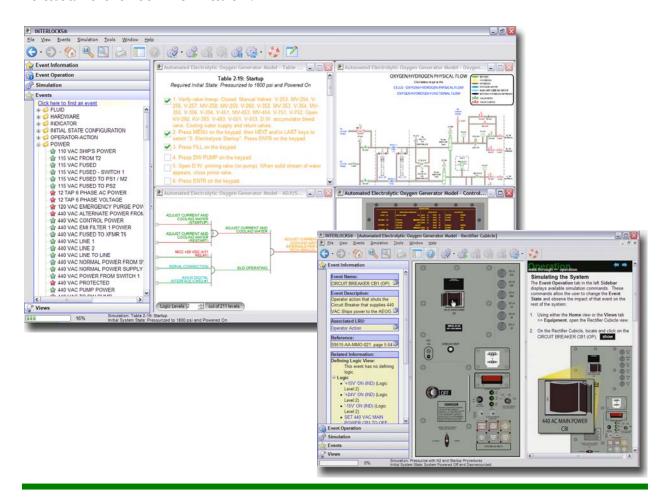


INTERLOCKS for Proficiency Training, e-Learning, Troubleshooting and Performance Support

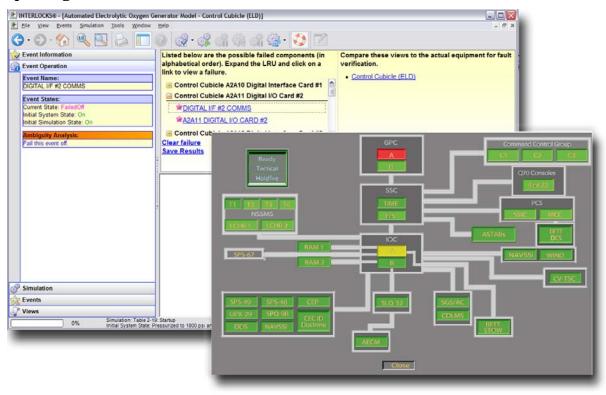
As systems grow more complex, the ability to create a full-scale prototype model becomes cost prohibitive. INTERLOCKS® modeling and simulation tool is an affordable alternative. Using discrete event simulation INTERLOCKS can be used during any stage of the product lifecycle and provides the same benefits to the engineering, training, or maintenance process as a full-scale prototype. The system design, operations, and component interrelations are clearly represented in the logic, flow and equipment diagrams. In addition, event time sequences and procedural simulations demonstrate normal operation and casualty scenarios. INTERLOCKS is able to provide efficient modeling and simulation solutions through reusable components, events, logic threads, and relational databases and can also embed documents to provide related reference information.



Troubleshooting

One of INTERLOCKS most sought after training benefits is its fault insertion and troubleshooting capabilities. Any system failure can be inserted into the model and the cascading effects are instantly displayed. This enables fault recognition and the ability to practice maintenance and casualty procedures.

The automated troubleshooting mode uses discrete event simulation to calculate the cause of system failures. By inputting symptom indications, a list of Lowest Replaceable Units (LRUs) whose failure could cause the observed symptom(s) is generated. This list is interactive allowing the user to select a possible fault and observe its effect on the system. The entire troubleshooting session can also be saved as an external HTML file for further analysis or reporting.



Performance Support

INTERLOCKS® modeling and simulation tool has been described as "the system expert in a box." The large database of system information provides in-depth understanding of operation, maintenance, and troubleshooting tasks. Through its event relationships and specific application features, users are guided to various aspects of related information including graphics and system simulation. The application is an interactive learning experience helping users to perform tasks with minimal support or intervention from other people.