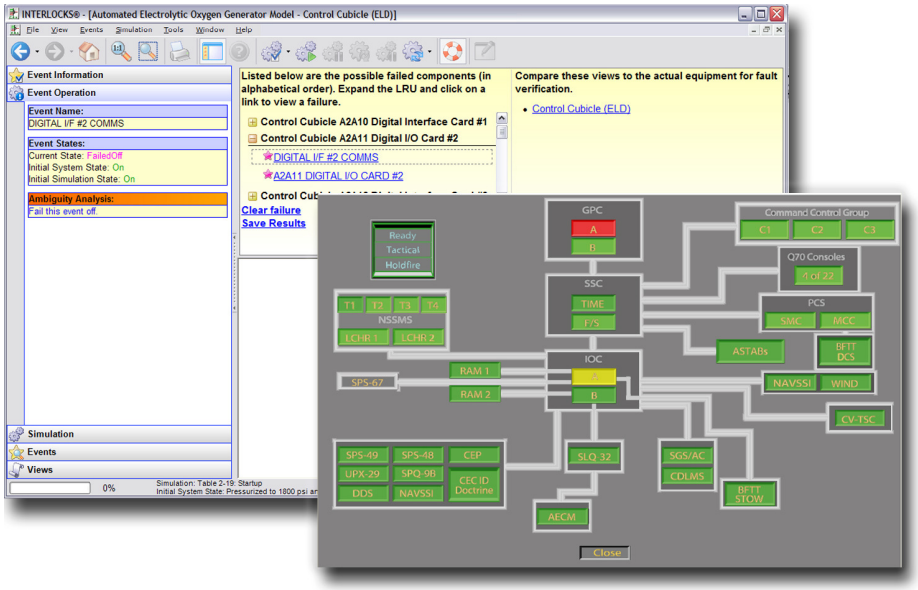
Troubleshooting

Two of INTERLOCKS' greatest strengths are 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.



INTERLOCKS provides a complete training package and is currently being used for:

- Distance support
- Fault isolation and troubleshooting
- Fault recognition training
- Corrective maintenance exercises
- Multiple failure analysis
- Reliability centered maintenance.