

## The Future of Safety Analysis is Made Easier With a software tool Developed By BQR

Critical systems/products often have protection layers, fault tolerance and redundancies in order to prevent severe safety events. In order to calculate the occurrence probability of safety events, combinations of sub-events have to be accounted for. Fault Tree Analysis (FTA) is a top to bottom process in which the combinations of events leading to the top safety event are identified, and the safety event probability is calculated. FTA often includes failure events of the system components, as well as external events such as: harsh environmental conditions, operator errors, software errors and other external drivers. FTA is useful for safety analysis as well as Level Of Protection Analysis (LOPA). visit [www.BQR.com](http://www.BQR.com)



### BQR FTA complies with standard IEC 61025

BQR's FTA tool has many features making an engineers job much easier.

► Large variety of gate types: OR, AND, K out of N, Standby, AND Priority, NOT and XOR.

► Binary Decision Diagram (BDD) used for analysis of complex cases.

► Several tree views for easy editing and reporting,

► Cut-sets analysis,

► Sensitivity analysis,

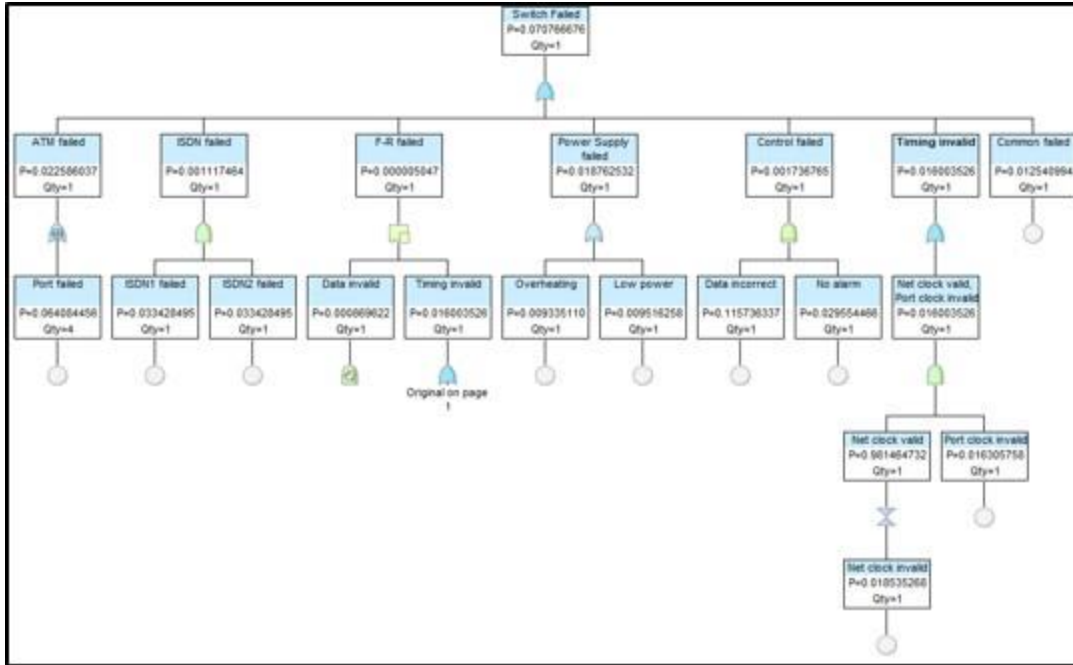
► Model various recovery types and Inspections.

► Import failure modes tree and failure rates from BQR FMECA or MTBF software, and establish connection between the project files for easy updates.

► Open several projects and copy/paste between them,

► Search and Sort functions,

► Notify user if project data is incomplete or inconsistent and has a detailed help and wizard for beginners and advanced users



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