Relyence® Fault Tree provides the capabilities you need for comprehensive risk assessment using fault tree techniques. Relyence Fault Tree couples an intuitive interface for constructing impressive fault tree diagrams with a high-powered calculation engine capable of performing a wide range of availability risk metrics. With support for an array of logic gates and event types, various input models for events, CCF groups, disjoint events, importance measures, and minimal cut sets (MCS), Relyence Fault Tree offers a complete package for top-down, deductive risk analysis.

Fault Tree Diagrams. The intuitive and efficient interface of Relyence Fault Tree enables you to quickly and easily create well-organized and visually appealing diagrams. Relyence Fault Tree optimally lays out your diagram, and auto-aligns and auto-connects your gates and events. You can manage both small-scale and large-scale diagrams with ease, using transfer gates and our hierarchical pane for one-click navigation.

High-Powered Analytics. In conjunction with impressive diagramming capabilities, the high-powered calculation engine at the core of Relyence Fault Tree computes all your most important risk metrics. You can choose to perform analytical calculations, run simulations, and select from an array of calculation results including unavailability, failure frequency, as well as importance measures and minimal cut sets. Additionally, Relyence Fault Tree includes an expansive set of input models, and supports modeling of Common Cause Failure (CCF) groups and disjoint events.

Innovative Features. Relyence Fault Tree is rounded out with a robust feature set including cut set highlighting, the ability to export to Excel, support for repeated events, integration with other analysis modules, and API support. Additionally, our unique and innovative Fault Tree-FMEA linkage provides a powerful way to expertly track and assess all your most critical risk items. You can automatically generate fault trees from your FMEAs, keep your FMEAs and Fault Tree analyses in sync, or link FMEA items to your Fault Trees.

Dashboard for Fault Tree. The Relyence Fault Tree Dashboard provides an at-a-glance overview of your risk and safety related metrics. Combining all the data you need for quick assessment, the Dashboard offers the ability to monitor and manage your fault tree analyses with efficiency and effectiveness with a choice of customizable widgets. This focused overview enables you to quickly gauge system health, proactively maintain your risk and safety objectives, and turn insight into action.

Deployment Choice. Relyence Fault Tree is built on the Relyence Platform- a browser-based, mobile-friendly framework constructed with today's workplace in mind. Relyence Fault Tree can be installed on-premise at your location, hosted in the Microsoft Cloud to take advantage of Microsoft's industry-leading Azure platform, or hosted in your own private secure cloud. All platforms offer the same features and functions. The choice is yours!
Comprehensive risk assessment using fault tree analysis techniques.