# **FMEA**

### **Failure Mode and Effects Analysis**

Relyence® FMEA (Failure Mode & Effects Analysis) is your all-in-one package supporting every element of failure mode analysis: Boundary Diagrams, P-Diagrams, Design FMEAs (including Function Nets, Failure Nets, and DVP&R), Process FMEAs (including Process Flow Diagrams and Control Plans), FMEA-MSRs, and FMECAs. Complete customization options allow tailoring to your needs.

**Compliant and Custom FMEAs.** Relyence FMEA supports the commonly used FMEA methodologies including SAE J1739, ARP5580, AIAG, AIAG & VDA, MIL-STD-1629, IEC 60812, as well as the automotive standards of Daimler Chrysler, Ford, and GM. Relyence FMEA also supports piece-part DFMEAs and MIL-STD-1629 FMECAs and offers the FMD database and custom Part Failure Modes Library. Built-in templates are available for quick start up, and you can easily modify the templates to suit your needs. Alternatively, you can create a completely custom worksheet to match your requirements.

**FMEA Efficiency.** With Relyence FMEA's unique *always-in-sync*™ technology, you can rest assured that your FMEAs remain organized and complete. Relyence FMEA maintains data connections between all phases of your analysis - Boundary Diagram, P-Diagram, Function and Failure Nets, Design FMEA, DVP&R, Process Flow Diagram, Process FMEA, and Process Control Plan - ensuring that no elements of your analysis are omitted or overlooked.

The Relyence FMEA Advantage. Relyence FMEA's acclaimed *Knowledge Banks™* streamline your FMEA activities by providing data reuse and automatic change synchronization. Use the Action Library and fully customizable Workflow, Approvals, and Notifications features for unparalleled process efficiency. Other high-powered features include autocomplete, RPN and AP calculations, the innovative *FMEA Data Autoflow™* & *SmartSuggest™* for superior data management and control, audit trails, support for custom Formulas, FMEA-Fault Tree linking, and *Failure Direct Connect™* for FMEA-FRACAS integration. In addition, our device independent platform enables you to perform FMEAs on your PC, Mac, tablet, or smartphone.

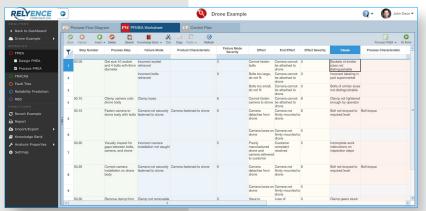
**Dashboard for FMEA.** The Relyence FMEA Dashboard provides an at-a-glance overview of your FMEA information. Combining all the data you need for quick assessment, the Dashboard offers the ability to monitor and manage your FMEAs with efficiency and effectiveness with a choice of customizable widgets. This focused overview enables you to

quickly gauge system health, proactively maintain your quality objectives, and turn insight into action.

Deployment Choice. Relyence FMEA, as all Relyence software tools, is built on the Relyence Platform - a highly adaptable and mobile-friendly framework constructed with today's workplace in mind. Relyence FMEA 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!

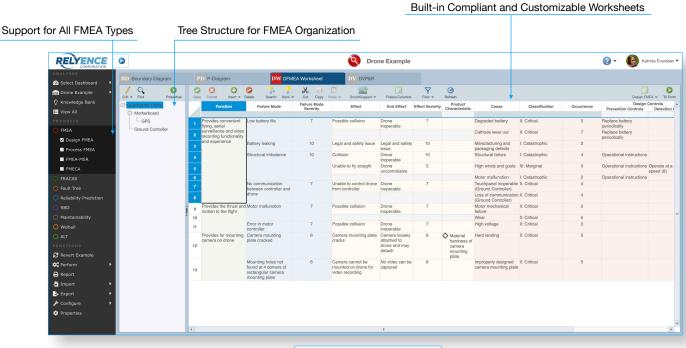
### **KEY HIGHLIGHTS**

- SAE, AIAG, AIAG & VDA FMEAs
- MIL-STD-1629, Piece-part FMECAs
- DFMEAs, PFMEAs, FMEA-MSRs
- Boundary Diagrams, P-Diagrams
- DVP&R, PFD, PCP
- Function and Failure Nets
- Always-in-sync<sup>TM</sup> technology
- Knowledge Banks<sup>TM</sup>
- Workflow, Approvals & Notifications
- Data Autoflow™ & SmartSuggest™
- Audit Trails, Dashboards
- Zero-client, browser-based



## **Failure Mode and Effects Analysis**

Offering collaboration, effectiveness, compliance, and connectivity in one comprehensive platform.



#### Design FMEA Worksheet

