



reliability. experience. integrity.™

FMEA Library

The MRG Failure Modes and Effects Analysis Library is available through the Catapult®, a software package that helps you build and sustain reliability strategies on any enterprise scale with ease and efficiency.

Catapult® is designed to accelerate reliability implementations by facilitating the transfer of best practices. The FMEA Library is an essential tool when creating an effective reliability initiative because it enables you to focus on building strategies to manage failures.

Catapult® works outside of your CMMS, allowing rapid development and deployment of core CMMS/EAM data and reliability fundamentals. It will store your data until your program is ready to go live.

The Failure Modes and Effects Analysis (FMEA) Library provides templates that accelerate reliability strategy development and system level RCM, saving months of analysis time.

The Library currently includes more than 440 detailed component level templates. Each template includes a comprehensive analysis of the functions and failures of each component at the class/subclass level (see figure to the right).

For example, pump/centrifugal has many functions. The example illustrates an FMEA for a single functional failure: a centrifugal pump fails to fulfill its function because it pumps less than the required flow rate. Note that the figure depicts multiple entries at each level of the hierarchy, indicating that there are multiple classes, that may have multiple subclasses, that may have multiple functions, etc.

MRG's FMEA Library is a growing body of knowledge. Each template is the result of detailed analysis conducted by MRG's engineers in the field. As MRG completes new analyses, templates are added to the library.

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