

# FAILURE MODE & EFFECTS ANALYSIS

RELIABILITY SOLUTIONS: Advanced Analysis



Failure Mode and Effects Analysis is a step-by-step approach for identifying the ways an asset or process can fail. The process utilizes a cross-functional team with knowledge about the process, asset or service. Once the team is assembled, the scope for the FMEA must be defined, the team must address the following questions for each asset or process under consideration:

1. What are the functions of the asset (in line with the scope)
2. How can each function fail to meet a required standard of performance?
3. What scenarios can lead to those failures?
4. What are the consequences of those failures?
5. How serious are those consequences?
6. How often will they occur?
7. Can they be predicted?
8. What is the associated risk with those failures?

By understanding how your assets may fail, preventative and predictive maintenance techniques can be developed to address those failure modes.

## DELIVERABLES

- Hierarchy of failure modes and their associated effects for each asset considered
- This technique can be used for Root Cause Analysis
- FMEA is the precursor for Reliability Centered Maintenance

## WHY FLUID LIFE?

We're a company that's All Ways Reliable. From analysis and evaluation to planning and strategy, Fluid Life has the expertise to help you achieve a higher level of reliability.

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EQUIPMENT RELIABILITY SERVICES

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