



Expert Guidance for Failure Mode and Effects Analysis

FMEA-Pro, a leading Failure Mode and Effects Analysis software solution, provides corporate consistency and assists with compliance with industry and company standards. Dyadem's best-selling software helps to better analyze product designs and manufacturing processes, dramatically shorten study time, achieve more thorough studies, and prevent failures from happening in the first place

### Challenges of Quality Planning

Companies need to conduct an efficient and thorough quality planning process in order to remain competitive. Even with the best strategies in place you can run into a number of significant implementation challenges with serious implications:

- Risk analyses can be a daunting task for cross-functional and multi-disciplinary teams, resulting in costly mistakes.
- Inadequate, improper, and inconsistent failure analyses will result in lower quality products, possible recalls, loss of company and product reputation and potential liability costs.
- Organizations that use first generation software tools for risk analyses get inundated with enormous and cumbersome documentation over time, causing them to react to random variations in the manufacturing process.

### A Solid Solution - From Start to Finish

Companies are building infrastructures including dedicated applications for their quality planning to meet market demands more efficiently and cost-effectively at all stages of their business life cycle. An effective quality plan involves understanding customer requirements, establishing product

and process characteristics, performing failure analyses, and using the appropriate testing, measurement and inspection methods to reduce deviations in the manufacturing processes. Dyadem's FMEA-Pro™, currently in version 8, offers a user-friendly, reliable, flexible and knowledge-based solution.

FMEA-Pro, a proven technology in commercial use for over a decade, has become the standard tool of choice for thousands of companies world-wide, including Fortune 500 companies.

### Knowledge Base - Achieve More Rigorous Studies

FMEA-Pro comes equipped with comprehensive professional libraries to help you generate new ideas more easily, and enter information quickly and efficiently in your studies. The software also includes built in and fully configurable risk ranking scales. Past studies can be reused to retain valuable corporate knowledge and intellectual property, including past failures, and language can be properly captured to help build corporate libraries. FMEA-Pro supports the following techniques: Failure Mode and Effects Criticality Analysis (FMECA); Control Plans, Design Verification Planning and Reporting (DVP&R), Gage Plans; Process Mapping, Process Flow Charts; FMEA-based Reliability Centered Maintenance.

### New Features in Version 8:

- **Dependency Matrix** – helps to create matrix sheets that expand your capabilities to include new types of risk assessment techniques.
- **Conditional Data Mirroring** – allows automatic mirroring of data across sheets eliminating the need for you to repeat data entry in multiple worksheets.
- **Structure List** – create ad hoc breakdown structures via indentation in the rows.
- **Formula Functions** – new formula functions have been added to allow you to manipulate strings in text fields.
- **Tools** – 'macro' like feature automates your tasks, simplifies your work, and increases productivity.
- **New Languages** – now supports Portuguese and Korean in addition to previous availability in English, French, German, Japanese, Simplified Chinese and Spanish.



## Data Management and Transparency

Data linking features reduce the amount of time and effort required to finish a project by connecting the process flow chart, the FMEA, and the control plans of your quality plan. FMEA-Pro gives you an unrepeatable list of your recommendations in a separate, pre-formatted table with references hyperlinked back to the worksheets. This sophisticated tracking and management of recommendations allows you to record and track progress while the advanced professional reporting features, preformatted print reports and auditing tools give you improved visibility into process operations. These features allow you to share your information in a variety of formats for easy and controlled access by both internal and external customers.

## Regulatory Compliance

FMEA-Pro helps organizations with the implementation of their corporate-wide quality, risk and reliability programs based on company or industry standards and guidelines including:

- SAE J1739, ARP 5580, IEC 60812
- ISO 9001, ISO 16949
- Advanced Product Quality Planning (APQP) 4th Edition
- Reliability Centered Maintenance (RCM) II
- MIL STD 1629A, 882

## Industry Leading Features

	Version 6	Version 7	Version 8
Dependency Matrix			✓
Structure List			✓
Formula Functions			✓
Available in Portuguese and Korean			✓
Enhanced Release Management			✓
Enhanced Change Tracking			✓
Right to Left Data Entry			✓
Ability to use Windows Authentication and LDAP to assign access rights			✓
Vista-compatibility			✓
Comprehensive libraries	✓	✓	✓
Pre-formatted Industry Templates	✓	✓	✓
Data Mirroring – links data selectively and dynamically throughout studies		✓	✓
Linked Diagram – dynamically links diagrams with worksheets		✓	✓
Update Template – incorporate changes from a newly modified template into existing files		✓	✓
Recommendations Manager	✓	✓	✓
New design and process libraries for aerospace and defence		✓	✓
Comprehensive APQP Template		✓	✓
Updated FMECA Template		✓	✓
Multiple format for columns/sheets		✓	✓
Tracking changes	✓	✓	✓
Insert picture page from file		✓	✓
Criticality Matrix		✓	✓
Professional reports in HTML, MS Word, MS Excel	✓	✓	✓
Option for IT administrator to set up automatic data sharing and reports through Batch Mode		✓	✓

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