

FAILURE MODE AND EFFECTS ANALYSIS

The **FMEA method** is a development and planning supporting system and risk analysis of the EDAG Production Solutions to find potential risks in systems, products and processes.



MAKING IDEAS PERFORM

Reliability Engineering

The **FMEA – Failure Mode and Effects Analysis** – is a worldwide valid method due to the harmonization of the American and German automotive industry.

The FMEA method is a development and planning supporting system and risk analysis to find potential risks in systems, products and processes. Within the scope of risk management and quality management, FMEA is a tool for avoiding errors and increasing technical reliability and limiting the risks.

Design FMEA:

Development and design. Assessing the manufacturing and assembly suitability of a product as early as possible.

Plant FMEA:

Identifies potential errors in the plant area. At this point, the safety and reliability of the plant is considered.

Process FMEA:

Is based on the results of the design FMEA and identifies potential faults in the manufacturing and assembly process.

System FMEA:

Examines the interplay of subsystems in a superordinate system network. It targets the identification of potential weak points.

Target:

- Avoid costs arising due to error correction or forced toleration of errors in a later product phase
- Increase in production by analysis and elimination of possible fault causes
- Improvement of the product quality
- Increase of the quality awareness of the employees, resulting in quality improvement
- Improving cross-cutting expertise exchanges
- Seamless documentation of possible weak points as legal proof of product protection and product liability

Service provision:

- Risk assessment according to EDAG standard form, development status 01/2020
- Formal preparation of the individual FMEAs
- Proposal for the configuration of the FMEA
- Moderation according to FMEA manual version 07/2019
- Presentation of FMEA results with possible measures
- Tracking of deadlines for defined measures

Your contact

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