

Optimize methods. Reduce risks. Ensure quality.

PLATO e1ns.methods provides individual forms for companies for the implementation of engineering methods and analyses in a web application.

Use individual forms and network data from different analysis methods and various sources. Engineering base data (e.g. functions, specifications, structures), method-specific data, values for calculations, and corporate data from PLM, MES, etc., are used.

When defining the engineering method, the user specifies which layout the form should have, which relationships exist between data, and from which applications data should be used. All administration and master data as well as system elements and their data that have already been created in PLATO e1ns are used. PLATO e1ns.methods focuses primarily on: adding supplemental information, implementing methods, and performing calculations.

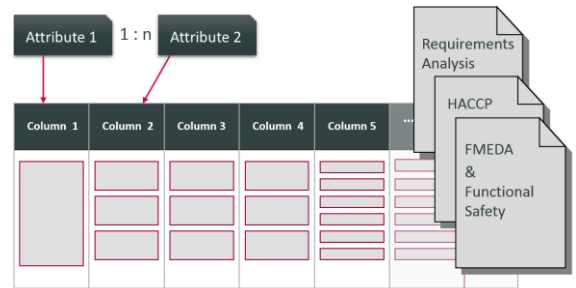


Fig.1: The form and the data relationships are defined.

Functions and Benefits

- Individual layout of the form with respect to contents and the column order
- Integrated calculation methods
- Work with the help of a database instead of spreadsheets and a file repository
- Simultaneous and distributed teamwork
- Use of existing data for additional analyses
- Integration of corporate data (SAP®, MES, PLM)

Applications

- Requirements Analysis
- Risk Analysis
- Risk Analysis with additional columns and calculations
- FMECA
- FMEDA and Functional Safety according to ISO 26262
- HACCP
- Occupational Safety
- Design Verification Plan
- Inspection Plan
- Target Costing
- Individual company analyses and reports, etc.

Primary Focus and Functions

Web application

- Very simple operation using well-known keyboard commands like those in Microsoft® Excel®.
- Easy availability via web browser. No (local) installation necessary.

Your own calculation models and catalogs

- Use of any calculation models for costs, failure rates, etc.
- Catalogs are adapted individually for analyses.

Traceability is ensured - Traces

- Traces are connections that describe the dependencies between different data.
- Traces are used in a single form or in different system elements across forms.
- Trace overviews show complex relationships graphically.

Filtering and sorting data

- Columns are filtered according to various user-defined criteria.
- Columns can be sorted by users.

Communication

- Sharing knowledge and receiving feedback is one of the most important aspects of PLATO e1ns.methods.
- Link addresses can be sent by e-mail. You call up the form at exactly the location to be discussed or edited.

Comments

- Supplemental information, photos, links to web pages, etc., are added to cells using an editor with a wide variety of formatting options.

Integration and knowledge management

- The central database reduces the time and expense required to maintain data and forms the basis for knowledge management.
- Interfaces to other software systems in the company integrate any data into quality and analysis methods.

Individual Form Configuration

PLATO e1ns.methods is integrated into PLATO e1ns as a web application. There are already forms available for a series of quality and analysis methods that can be customized specifically for your company, if necessary.

The customization or creation of a new form is performed in the framework of form configuration.

