**Features - Compendium**

*APIS IQ-RM PRO - Software for FMEA, Control Plan and Process Flow Diagram*

- Methodology according to AIAG, SAE and VDA
- Knowledge based, efficient and flexible

*High performance Windows Application*

*Integration Features for Workflow and Document Management*

**Method Support Features**

**Modelling (Structur / Functions)**
- Project, Structure, Variant
- Process Flow, graphically
- Structure Tree
- Function Net

**Failure Analysis**
- Failure Net / Fault Tree (with calculation)
- FMEA (AIAG, SAE, VDA, DRBFM)
- Control Plan
- Cause and Effect Diagram

**Risk Evaluation**
- Catalog for Actions
- Catalog for S, O, D
- Risk Matrix colors

**Optimization / Continuous Improvement Process**
- Change History
- Action Groups / Grouped Actions
- Meeting Log

**Mechatronic FMEA**
- Operating Conditions
- Error Detection, Error Response

**Functional Safety**
- IEC 61508 / ISO 26262 calculations
- Calculation strategy FIT
- Minimal Cut Set
- Graph Editor with suggestion list

**Functions**

**Concepts**
- Complete Integration (FMEA, PFD, CP, Function- and Failure-Net, FTA)
- Personal Desktop
- Characteristics: i.e. FMEA, PFD and CP without redundancy
- Length of fields up to approx. 32,000 characters
- Project Management
- HTML-Remarks

**Data Input Options**
- Structure Editor

**Data Manager**
- Persons and Teams
- Valuation Catalog
- Terminology / Translation Editor
- Notes List
- Symbol Palettes
- Symbolic Responsibilities / Deadlines
- Categories

**Form Layouts**
- FMEA: AIAG (QS-9000) and VDA
- FMEA: MIL 101 / MIL 102
- FMEA: company specific (e.g.: RB, GKN)
- Control Plan (CP)
- Process Flow Diagram (PFD)
- DRBFM
- DVP&R, 8D-Report

**Management Support**
- Deadline Management
- Statistical Analysis
- Presentation Print
- Excel export (XLS / XLSX)

**Presentation Support**
- Direct Print
- Print Preview
- HTML-Export
- Internet support / Web-Publisher
- Cover Sheet
- Deadline Editor
- Risk Priority List
- RPN Frequency Analysis

**Statistical Analysis**
- Pareto-Analyse
- Difference Analysis / Frequency Analysis
- Action Tracking Analysis
- Risk Matrix / Extended Risk Matrix
Multi Language Support
• English, German
  (User Interface, Forms, Manual)
• French, Spanish, Italian, Czech, Magyar, Chinese, Japanese, Korean
  (User Interface, Forms)
• Dual Language View for content, and printing
• Translation in Dual Language Mode
• Data Manager support for Translation
• XLS / XLSX ex- and import of translations
• Multi-Language Notes

Re-use Functions
• Alphabetical and Catogorized Selection Catalogues
  (Customer requirements, System elements, Functions, Characteristics, Failures, Actions, ...)
• Terminology Control for consistent wording
• CARM-Server with Modules
• symbolic Responsibilities / Deadlines
• Copy by Drag & Drop
• Screen Split (Second Workspace)
• Global Search (IQ-Explorer)
• Template Based, e.g. Team Management

Team Support
• Team Management
• Document-internal access rights
• Operating system based access rights
• E-mail-support for actions
• Intranet Support
• Document level data exchange
• Notes with Categories

Operational
User Interface
• Personal Desktop
• Input Collector or Direct Input
• User defined Numbering
• Company Specific Help supported
• User friendly search functions
• Full Screen Mode
• Undo (textual and structural)
• Version Management for Structures
• Version Management for Forms
• Variant Management (Project Management)
• Presentation Print (Print Batches)
• Deadline editor filters
• Personal-Information-Manager (PIM) with Bookmarks
• FMEA-Assistant to guide user through method and program
• Internal and External Links to documents, web-sites, e-mail addresses
• Image Integration from external sources
• Filter: Simple- / Detail-Filter
• Action Tracking in tables
• Variants Matrix
• Suggestion lists

Moderation Support
• Configuration Files
• Direct Input
• Different Settings for View and for Print
• Folding Operations (Fold / Unfold)
• Intelligent (Hanging) Scroll Mode
• Notes

Interfaces (Ex = Export, Im = Import)
• IQ-FMEA (exp)
• Windows-Metafile (wmf)
• HTML (htm)
• XML (xml)
• SGML (sgm)
• Text (txt)
• Microsoft Project (mpx)
• ODBC
• Excel-Tables (xls) (Ex), Im
• Promis
• Sibylle (sib)
• GKN
• FMEA plus

Configuration and Settings
• Document templates for company settings
• Forms: Column width, Fonts
• User definable Entry Labels
• Symbol Palettes under user control
• Assistant rules under user control

DP Management Advantages
User Interface
• Full Support of Windows Interface Style Guide
• Connect ability APIS CARM-Server: Web-Interface

Total cost of ownership
• Easy server and client Installation
• Easy version updates and upgrade
• Installation does not corrupt system
• Fast print preview reducing excessive hardcopy costs
• Mailing list for upgrades
• Electronic forum support

Data exchange
• Connect ability APIS CARM-Server
• Interface to SQL database
• XML (write and read)
• Collaboration Interface
• XDI Interface (eXternal Data Integration)

Data Security
• Robust, safe data handling
• Compatible to data encryption standards
• Compatible to access right management on OS level
• Long term data storage in open standard format