

 peak
avenue

DRILCO

Quality Center

eQMS solution



2022-2025

Merger to PeakAvenue

- 1995 ● Foundation of iqs
- 1992 ● Foundation of PLATO
- 1986 ● Foundation of Isograph
- 1984 ● Foundation of APIS

>2500

Customers

>40

Years of Know-How

360°

Worldwide & Verticals

Your Straight Path along the Digital Thread

PeakAvenue offers you a unique, consistent, cloud-native engineering and quality management platform along the entire product life cycle.

PeakAvenue Locations in:

- › Germany
- › USA
- › China
- › United Kingdom
- › Canada
- › Broad international partner network

Locations

› Germany

Lübeck

Bühl

Hamburg

Dortmund

Munich

Wörth/Donau

Braunschweig

Jena

› United Kingdom

Warrington

› China

Shanghai

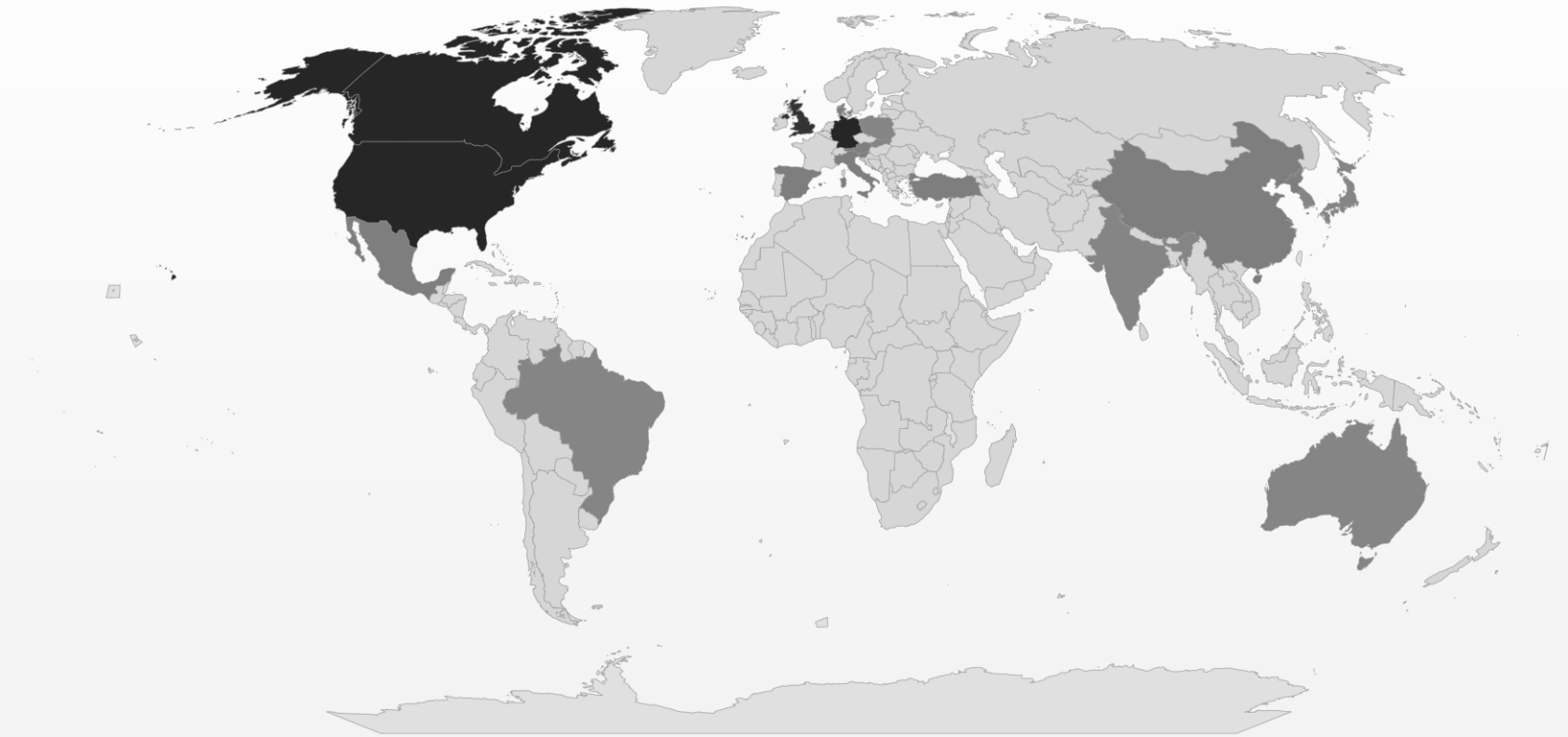
› North America

Dearborn, Michigan, USA

Royal Oak, Michigan, USA

Alpine, Utah, USA

Toronto, Ontario, Canada







Modularly
combined
eQMS

Advanced Product Quality Planning

FMEA

Inspection- and Control Plan

Production-accompanying Inspection

Incoming / Outgoing Goods Inspection

Initial Sample Inspection Report (ISIR/FAI)

Inspection Equipment Management

Complaint Management

Supplier Assessment

Audit

Q-Agent

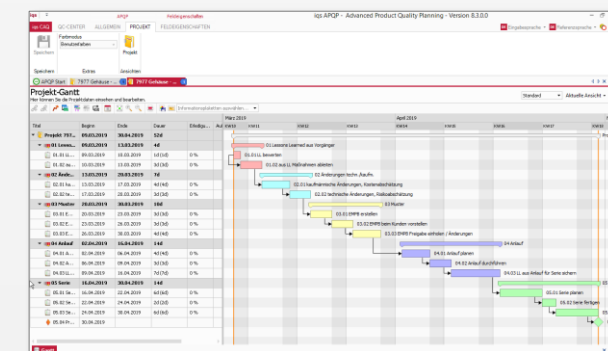
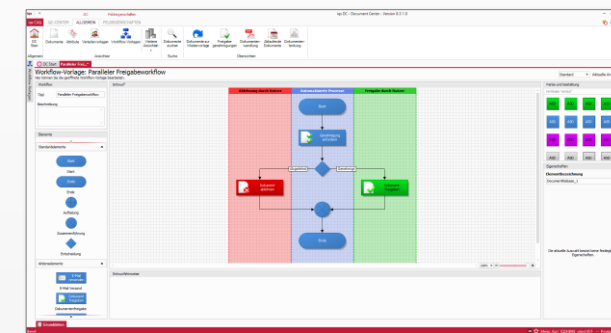
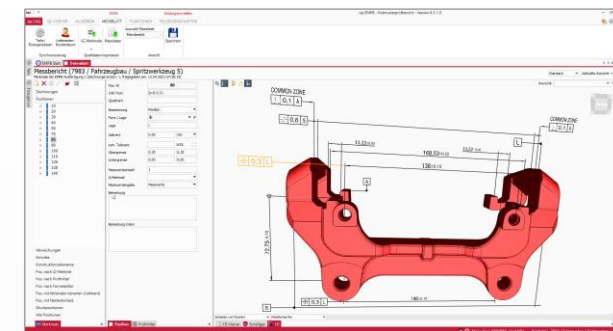
Action Management

Analysis Center

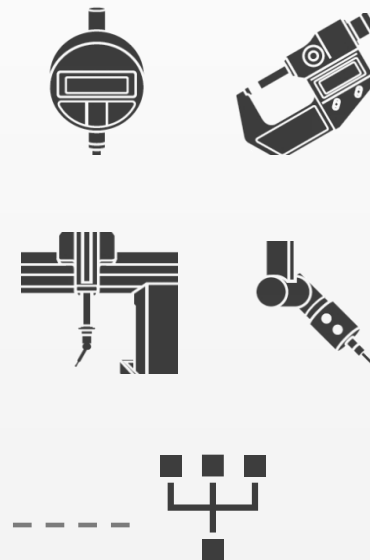
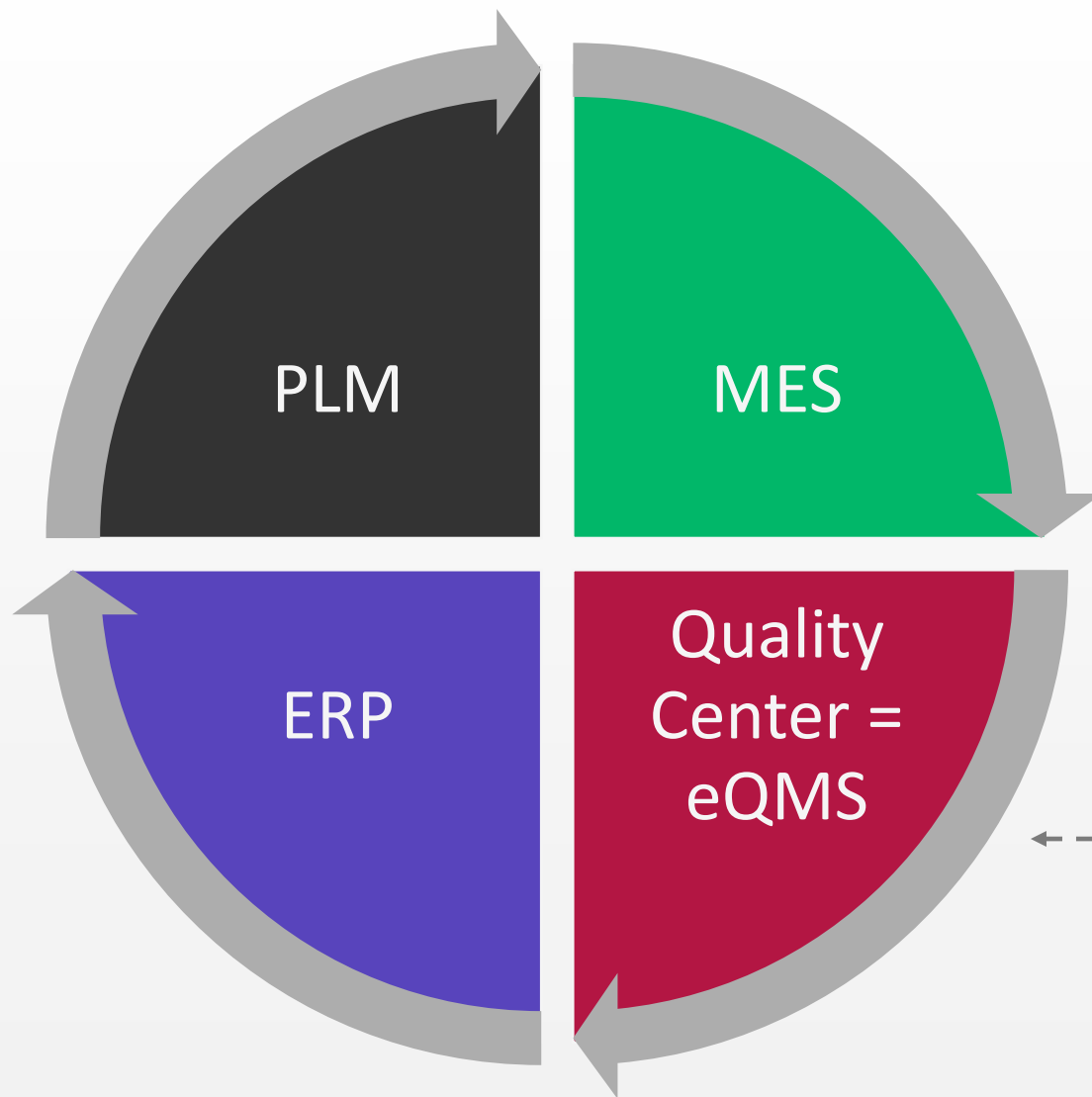
Knowledge Management

Document Management

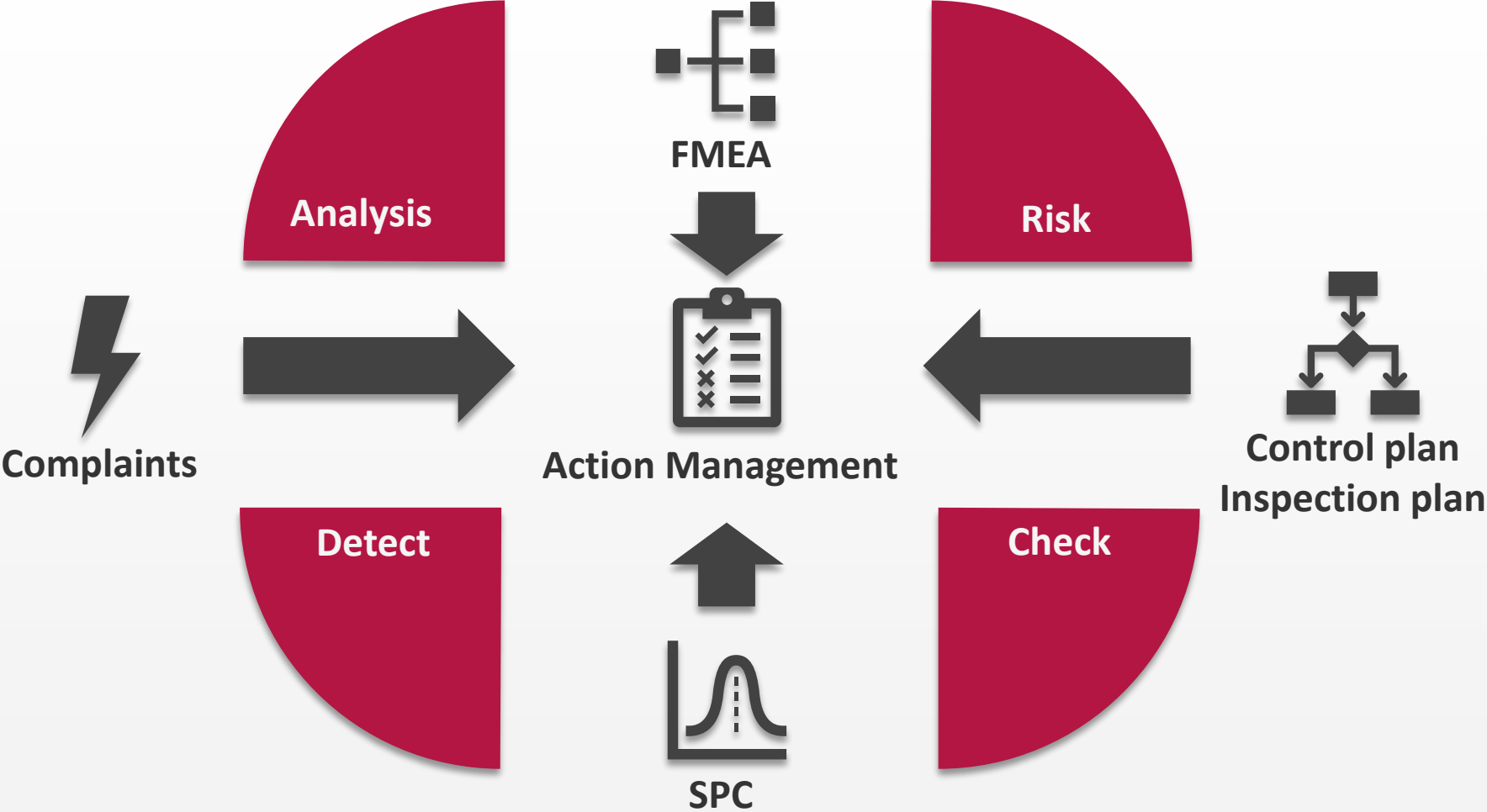
Tool Information System



Integration & Collaboration

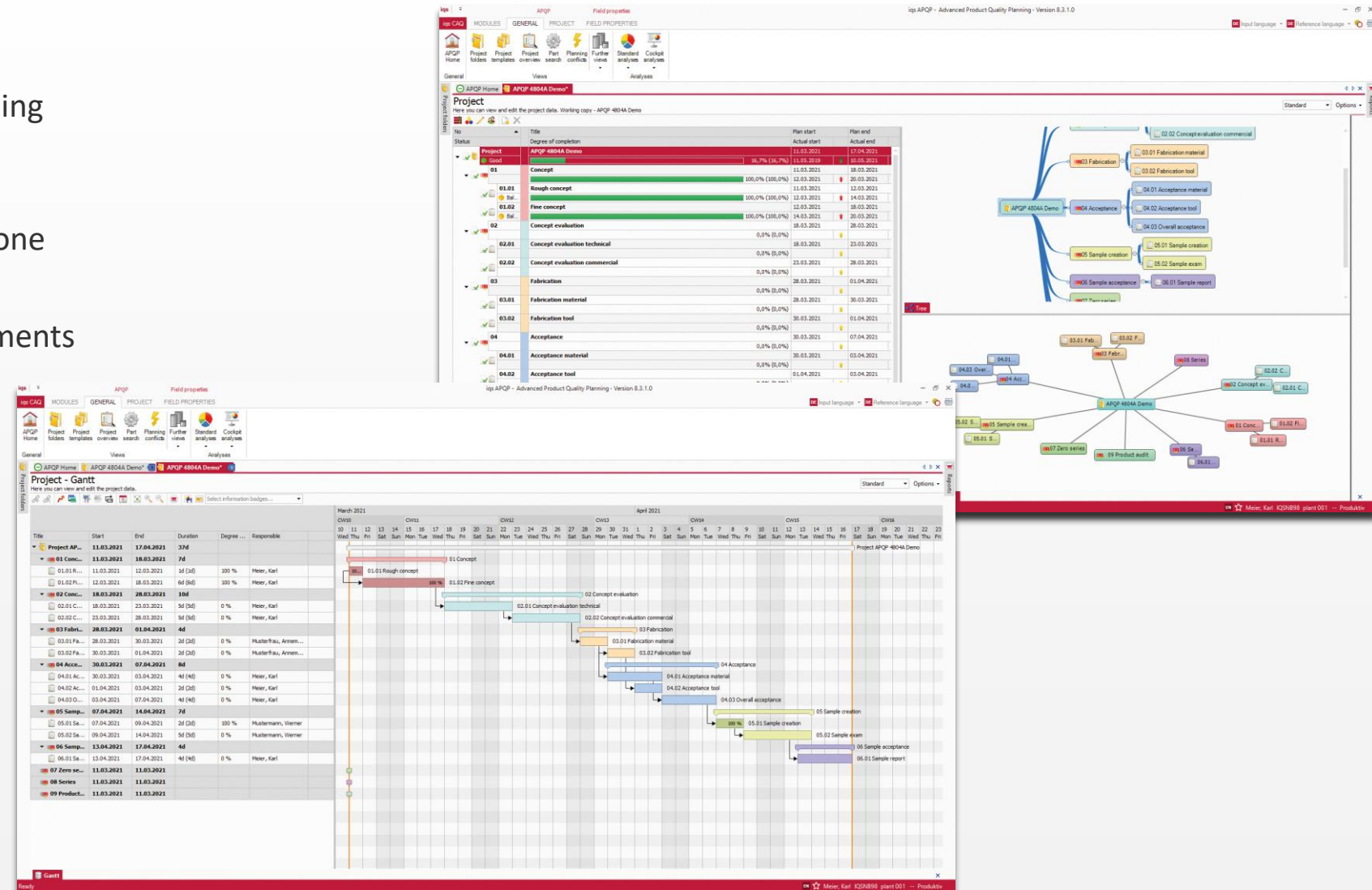


Control Loop



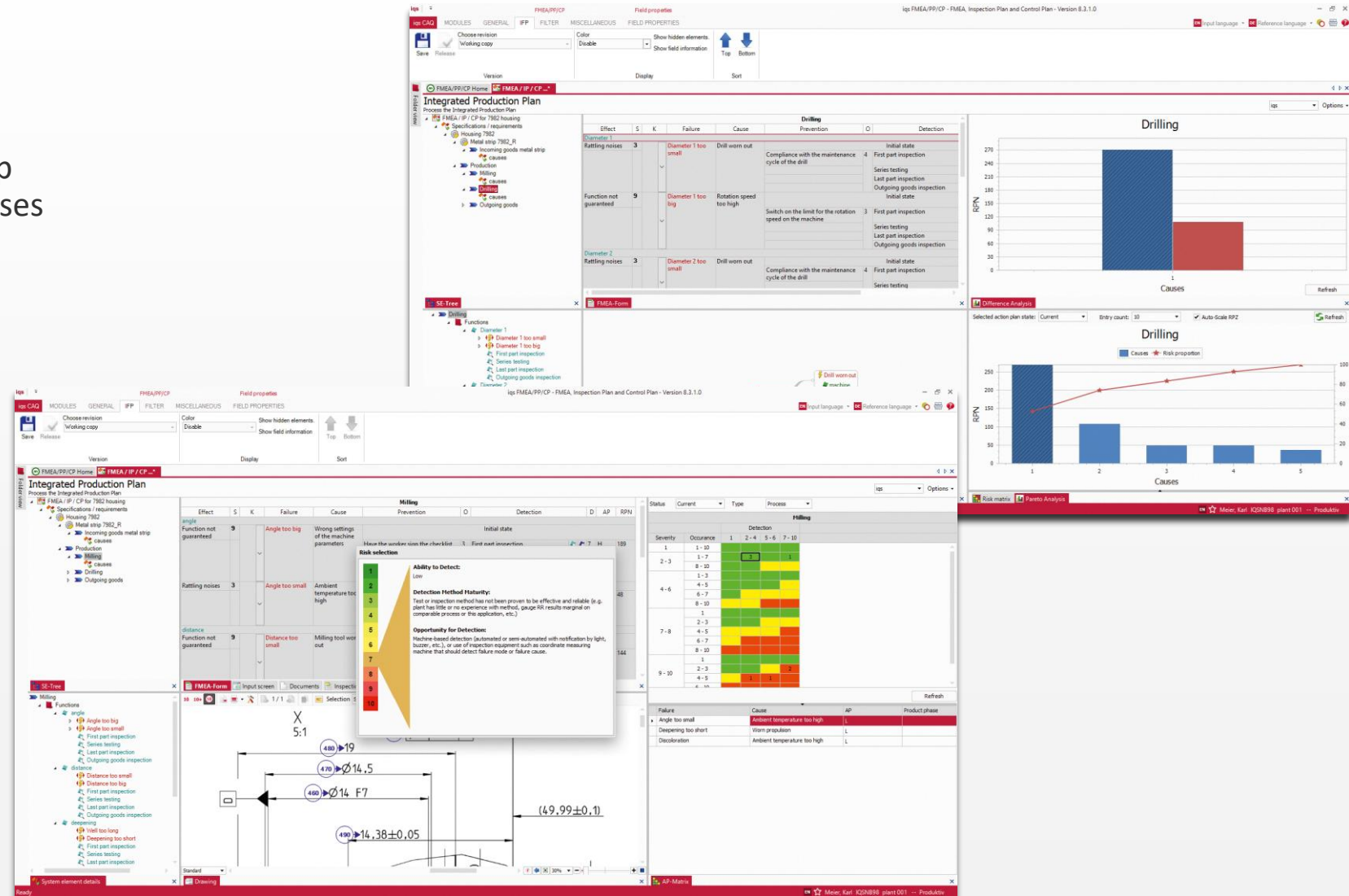
Functions

- Transparent project planning by using templates and creating scheduling versions
- Scheduling several employees for one project element
- Processing of released project elements and warnings in case of conflicts
- Gantt chart with critical path and customer / project deadlines (milestones)



Functions

- Complete CAD data integration
- Flexibly configurable interface to map individual moderation types and phases
- Synchronization of FMEA, inspection plan and control plan at any point in time when editing
- Feedback from shopfloor by failure related complaints
- Simplified data entry using autocomplete



Functions

- Complete CAD data integration
- Process and product family inspection plans
- Individual inspection intervals with reference to time, quantity, and batch
- Inspection note for each relevant characteristic

The screenshot displays the DRILCO FMEA/PP/CP software interface, version 8.3.1.0. The main window is titled 'Integrated Production Plan' and shows a detailed inspection plan for a 'Milling' process. The plan includes a table with columns for Quantity, Frequency, Interval, Random sample plan, Inspection location, No., Characteristic, Type, Control method, Inspection instruction, Inspection equipment, Nominal value, Unit, Decimal places, and various tolerance limits (LT, UT, LL, UL, LCL, X, UCL, Y, LCL, D, UP).

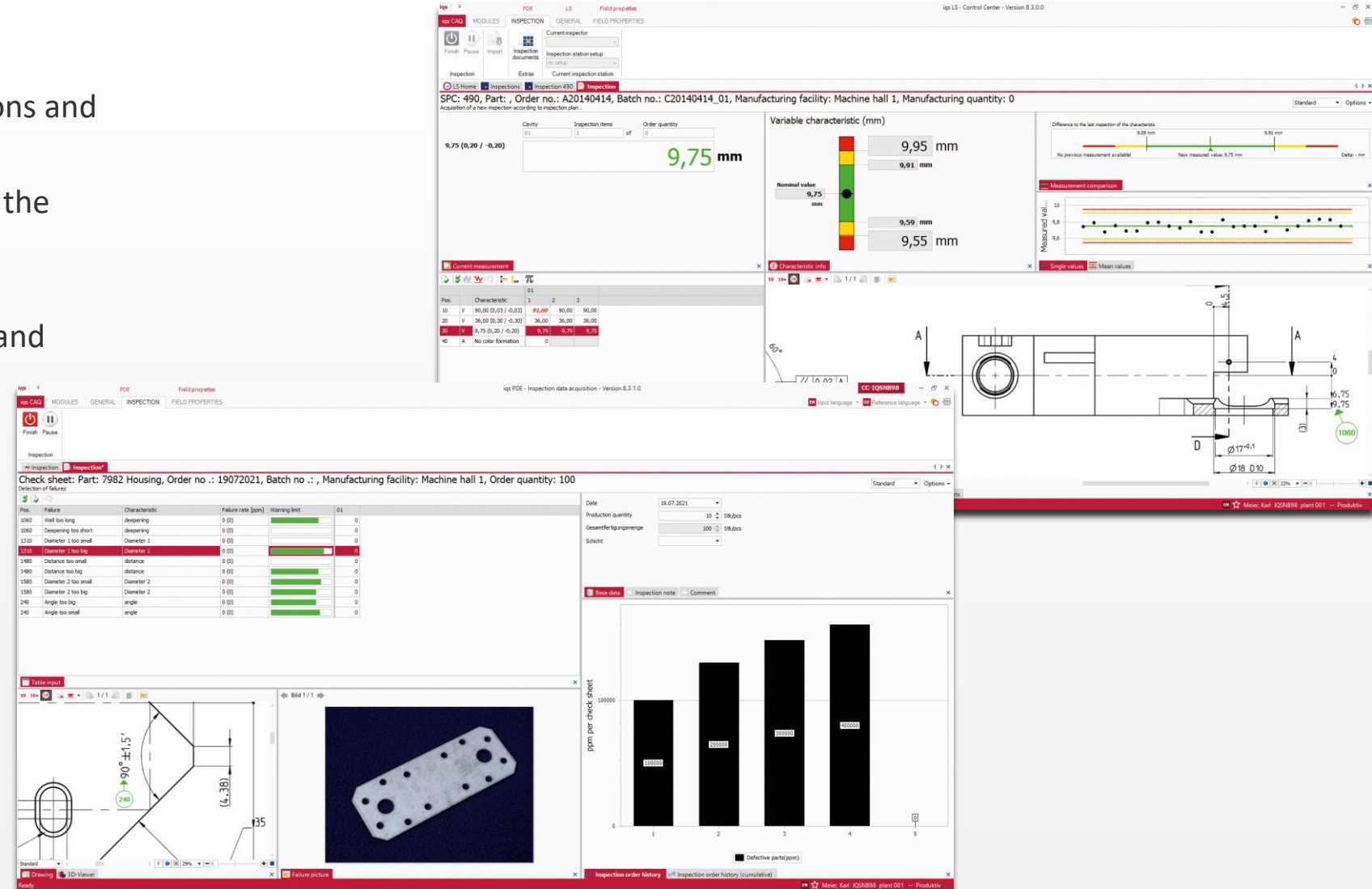
Below the main table, there is a 'Risk selection' dialog box with a 'Ability to Detect' section. It includes a 'Detection Method Maturity' table with columns for Severity, Occurrence, and Detection (1-10). The table shows a color-coded risk matrix (green for low, yellow for medium, red for high) for different severity levels (1-10) and occurrence levels (1-10).

On the right side, there is a technical drawing of a mechanical part with dimensions and inspection points. The drawing shows a cross-section of a part with various features and dimensions, including a hole with a diameter of 14.5 and a hole with a diameter of 14.38 ± 0.05.

At the bottom, there is a 'Drawing' section showing a detailed technical drawing of a mechanical part with dimensions and inspection points. The drawing includes a hole with a diameter of 14.5 and a hole with a diameter of 14.38 ± 0.05.

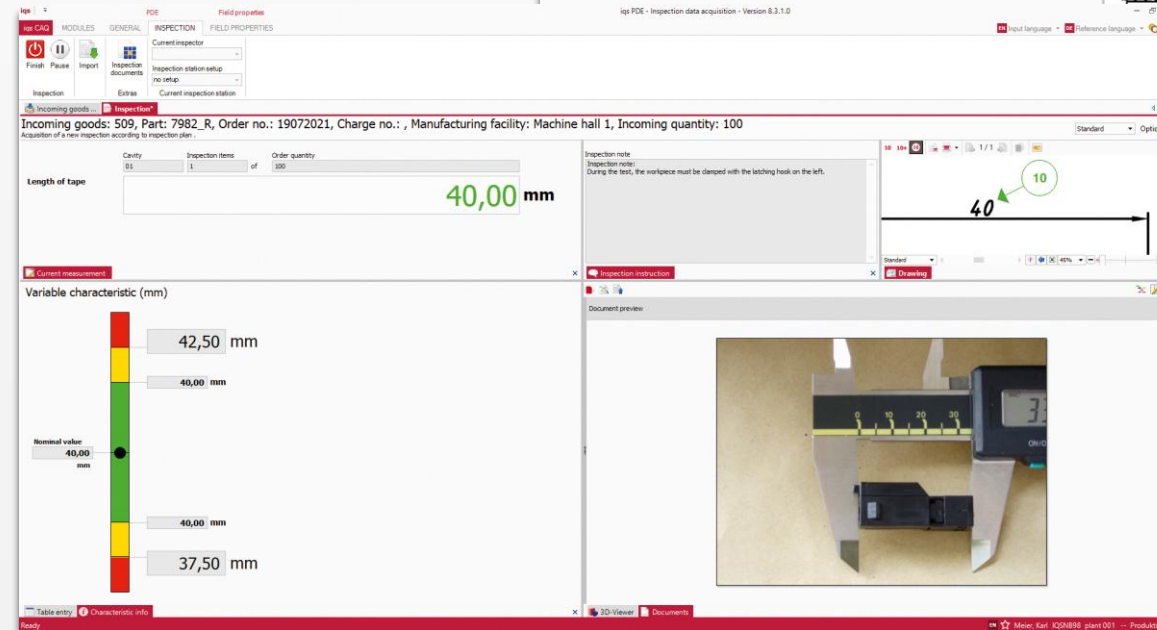
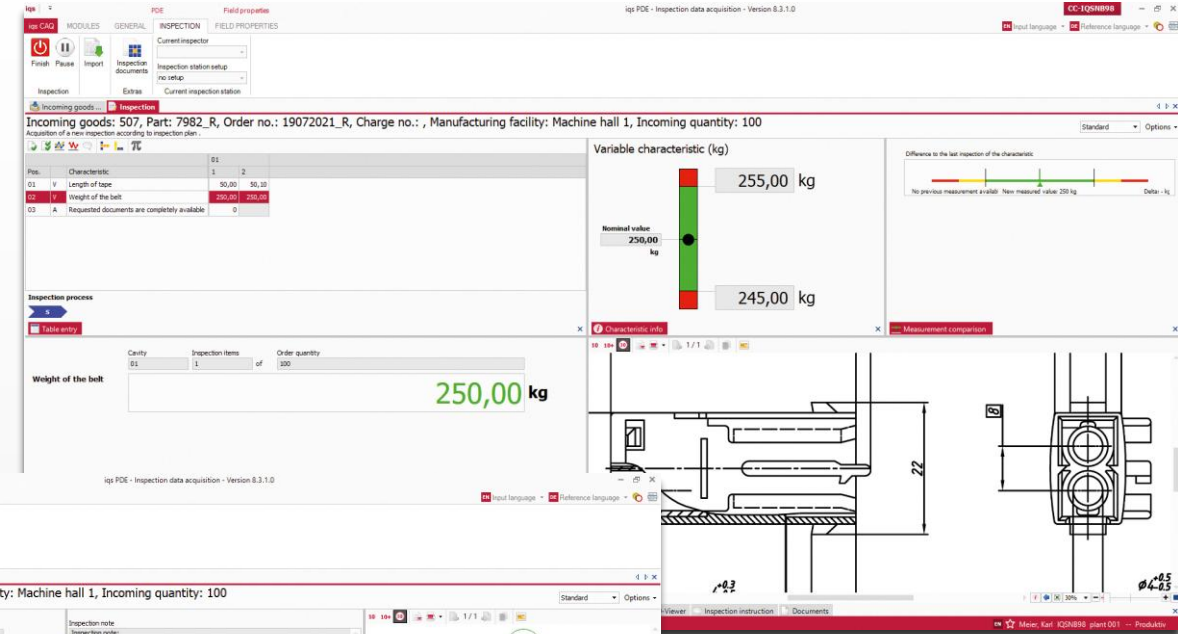
Functions

- Production, intermediate inspections and inspection using a p-chart
- Overview of current trends during the inspection
- Cavity-related management of the control chart types for attributive and variable characteristics
- Storage of formulas for calculated characteristics



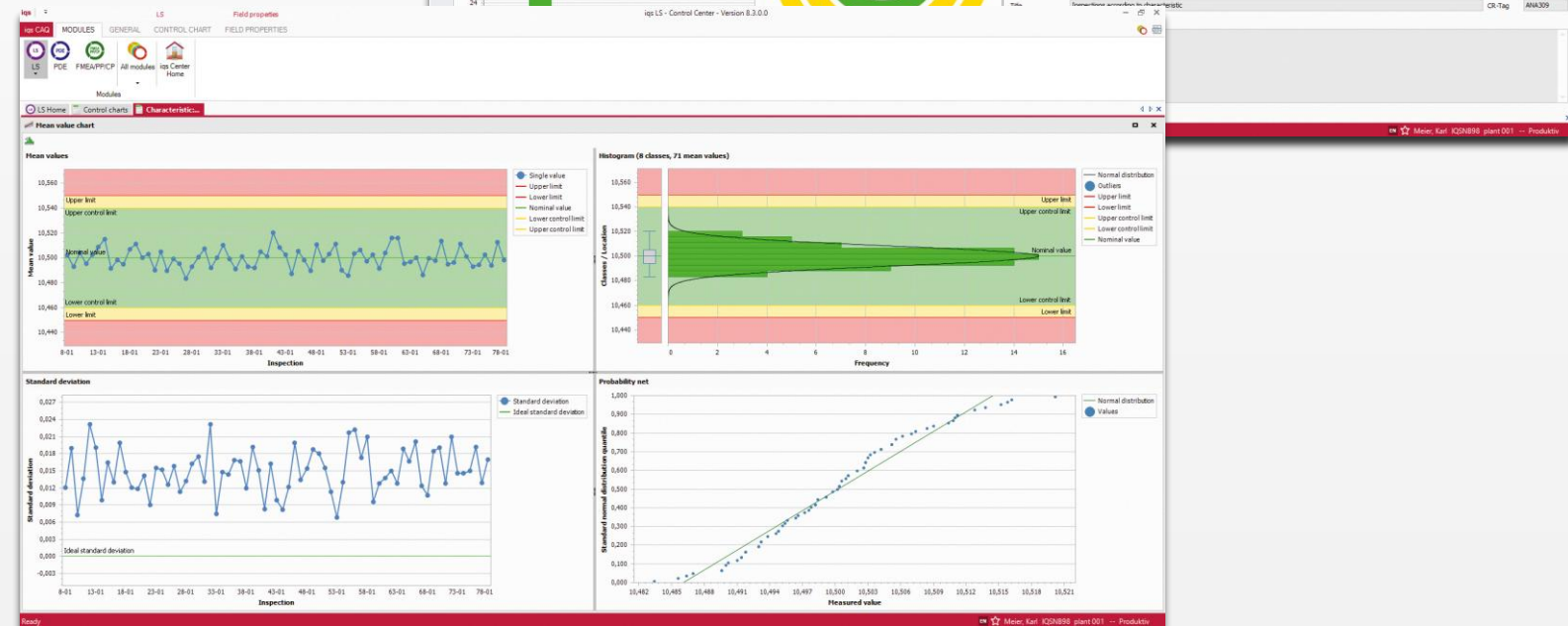
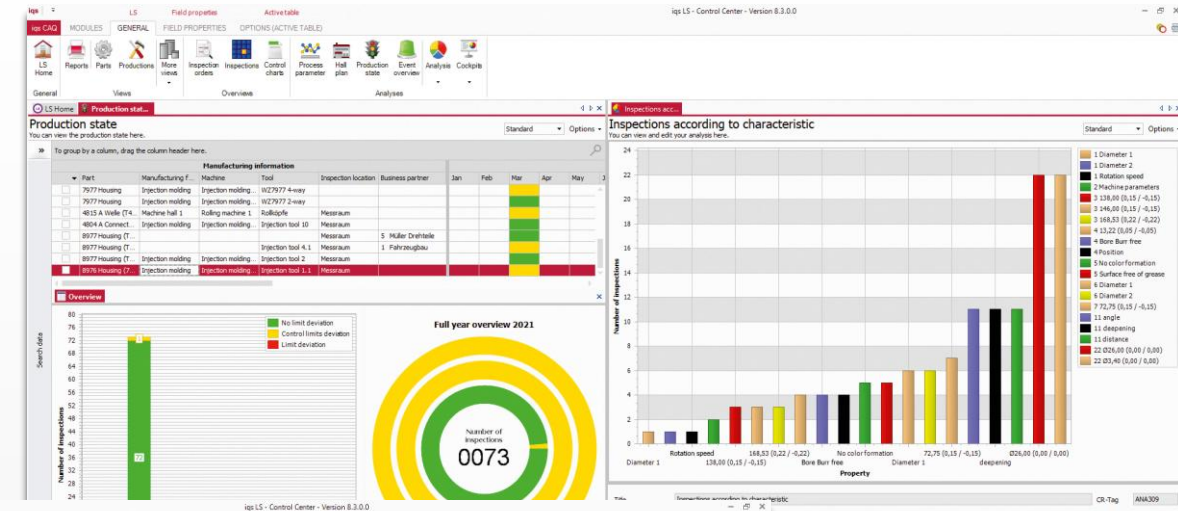
Functions

- Automatic generation of inspection severity (skip lot) against customer complaints
- Dynamic of characteristics to be inspected through CAD data integration
- Filing of inspection equipment and link to electronic measuring equipment
- Cavity based measured value acquisition



Functions

- Statistical data for each stamped feature in the CAD model (2D, 3D)
- Production status for all inspections incl. variance
- Feature comparison in control charts opened in parallel
- Continuous navigation from production status to deviation analysis
- Cross-version control chart display of intervention limits



Functions

- Freely definable criteria catalogs for easy transfer to checklist templates
- Each characteristic can be evaluated individually
- Risk assesment for selection of supplier
- Synchronization of feasibility studies with drawing changes
- Tracking of changes and improvements by versioning

The screenshot displays the iqs HBW - Feasibility Study software interface, version 8.3.1.0. The interface is divided into several sections:

- Top Menu:** Includes modules like Home, Administration, Surface, Views, and Analysis.
- Check list:** A table listing criteria for evaluation.

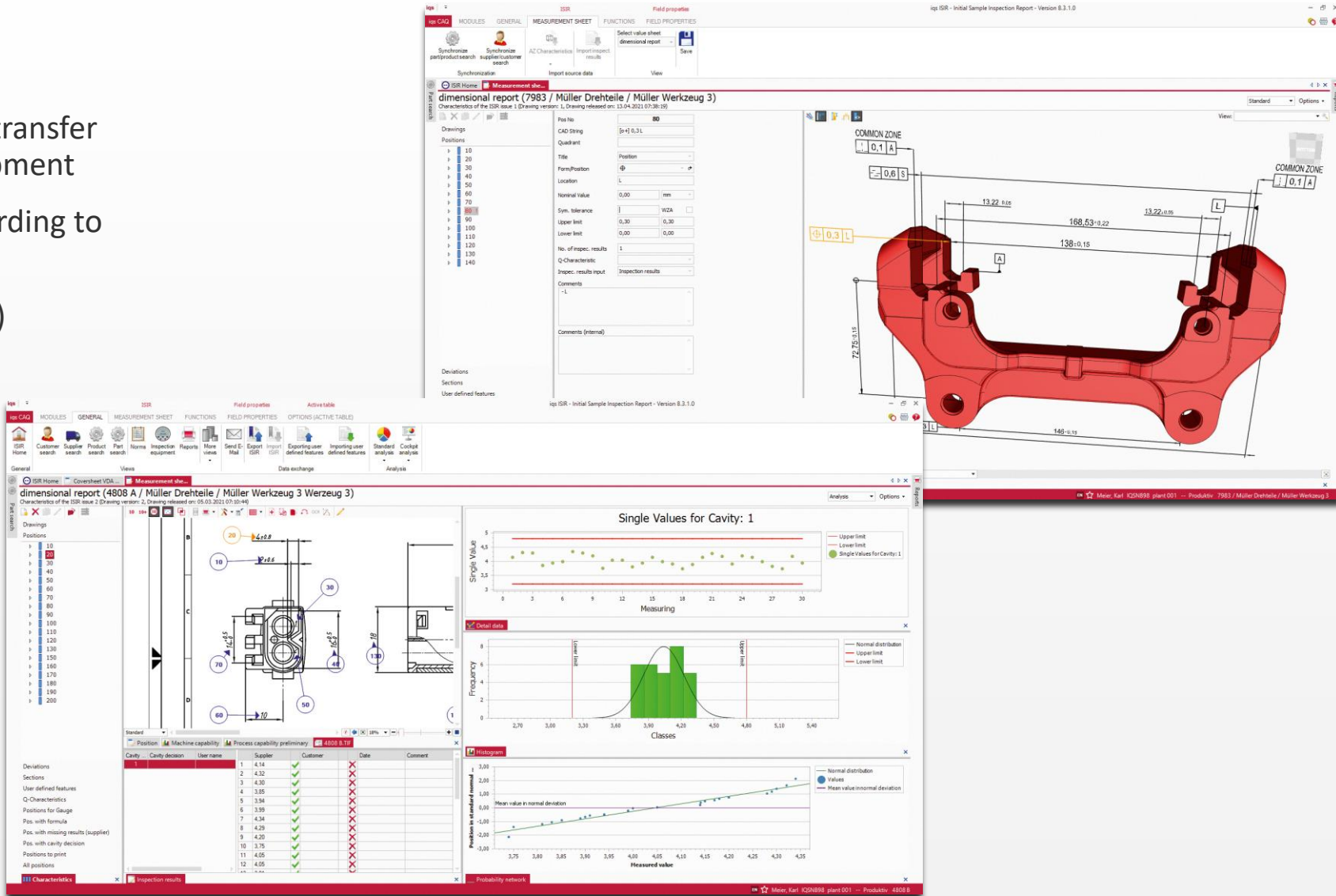
No.	Chapter	Criterion	Remark	Criterion	Evaluation	Remark
1.1	1.1 Documentation	Are the project requirements completely defined? (e.g. surface characteristics, tolerances, form, etc.)			unvalued	
1.2	1.2 Documentation	Are the foreign language descriptions, abbreviations etc. in all documentations understandable? Is a binding language defined? If yes, which one?			unvalued	
1.3	1.3 Documentation				unvalued	
- Project Information:** Details for 'Feasibility Study 1 - Connector housing (T4008-2400) - version 1'. It includes fields for Customer, Part no., Title, Drawing no., Release date, Version, and Last modifier.
- Characteristics Table:** A detailed table for tracking characteristics.

Pos.	PQ	Q-characteristic	Form-/Pos.T.	Title	Remark	Characteristic	Control method	Custom er	BAT	Supplier	Nominal value	LT	UT	unit	Evaluation	Rema
10						Tolerance is important for assembly					2	-0.8	0.6	mm	yes	
20											4	-0.8	0.6	mm	unvalued	
30											1	0	0	mm	yes	
40											16	0	0.5	mm	unvalued	
50											9	0	0	mm	yes	
60											10	0	0	mm	yes	
70											14	0	0.5	mm	unvalued	
80											38	0	0	mm	unvalued	
90											2	0	0	mm	unvalued	
100											22	0	0	mm	unvalued	
110											12	0	0	mm	unvalued	
- Characteristics List:** A table showing the status of various characteristics.

Typic	HBW Position	% complete	Comment	Planned end
Unprocessed	Important assembly tolerance	0	Important assembly tolerance	21.07.2021
Unprocessed	Inspection	0	Inspection	21.07.2021
- Technical Drawing:** A detailed technical drawing of a mechanical part, showing various dimensions and tolerances.

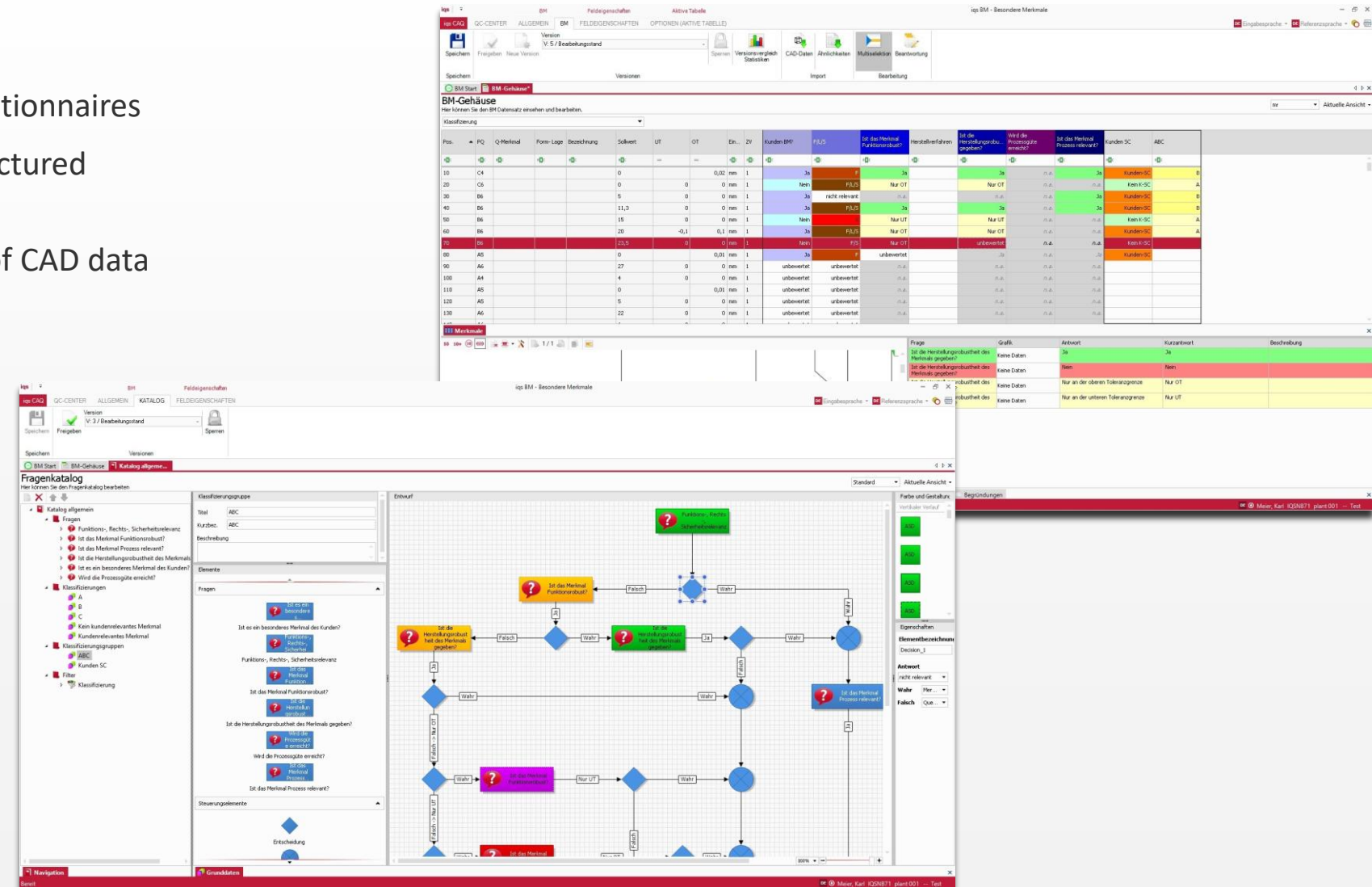
Functions

- Automatic stamping with setpoint transfer and connection of measuring equipment
- Illustration of the PPA process according to VDA Volume 2, 6th edition
- Visualization of CAD model (2D, 3D)
- Fast creation of change reports



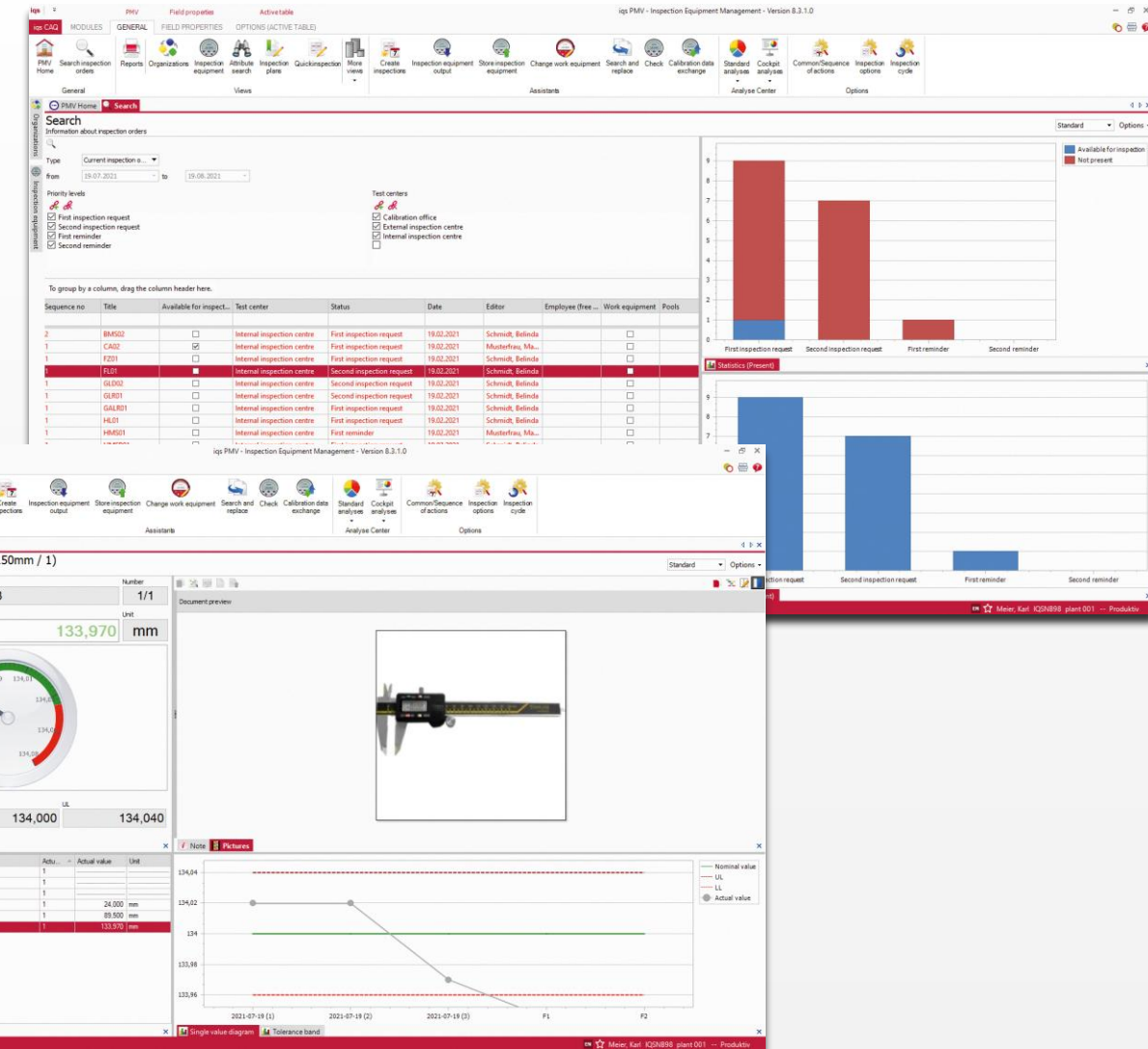
Functions

- › Creation of company-specific questionnaires
- › Defined process flow through structured questions
- › Simple and complete integration of CAD data
- › Versioning of the characteristic history



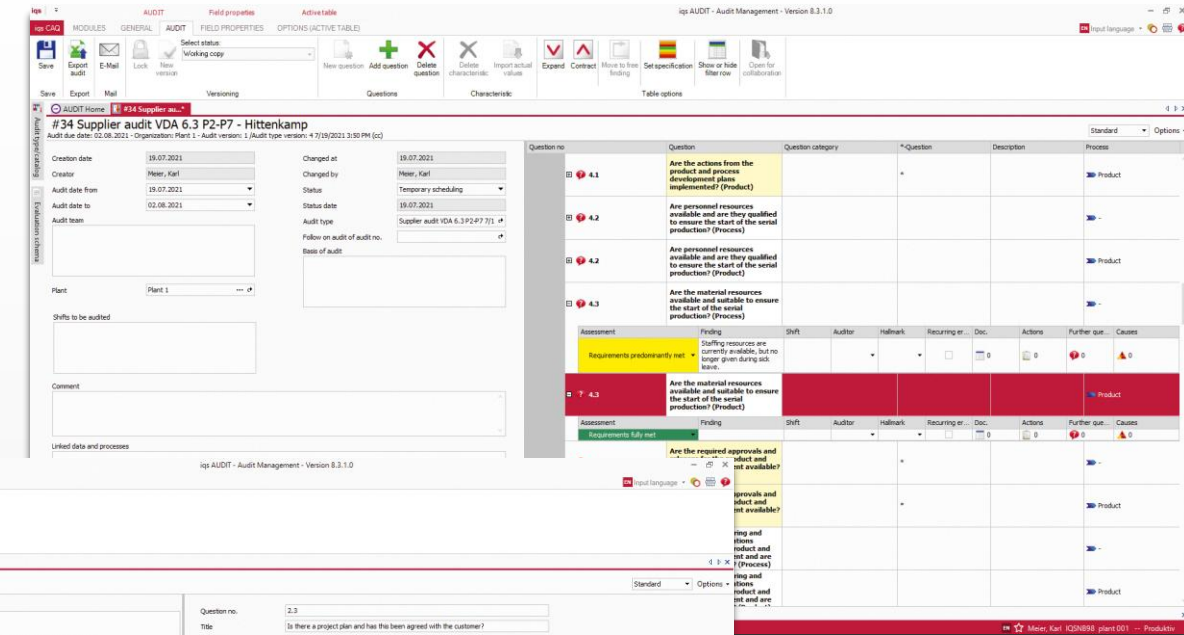
Functions

- › Versioned calibration planning
- › Wizard for automatic identification of inspection equipment that is due
- › Simple automatic data exchange via VDI 2623 with external calibration service providers
- › Distribution of inspection orders via email, including levels of urgency

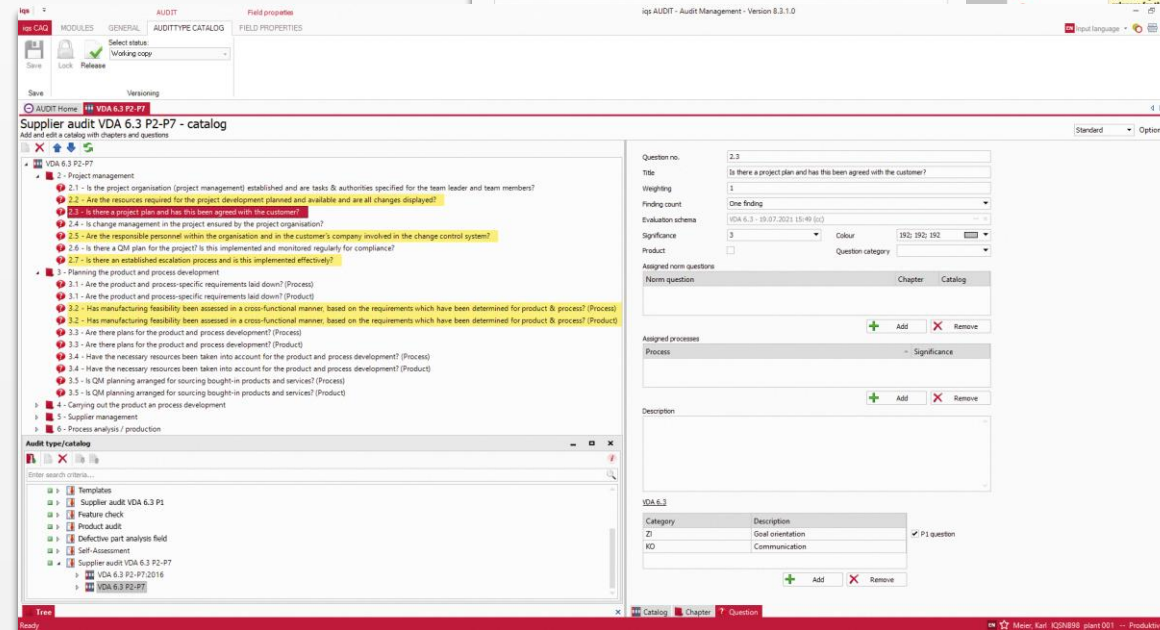


Functions

- Flexible definition of all types of audits, such as internal/external system audit, process audit, product audit, supplier audit
- Use of norm-based question catalogs, e.g. IATF 16949, ISO 9001, ISO 50001, ISO 14001, VDA 6.3 or in-house catalogs
- Overview of audits, deadlines with drill-down on individual processes
- Storage of the auditor qualification depending on the type of audit



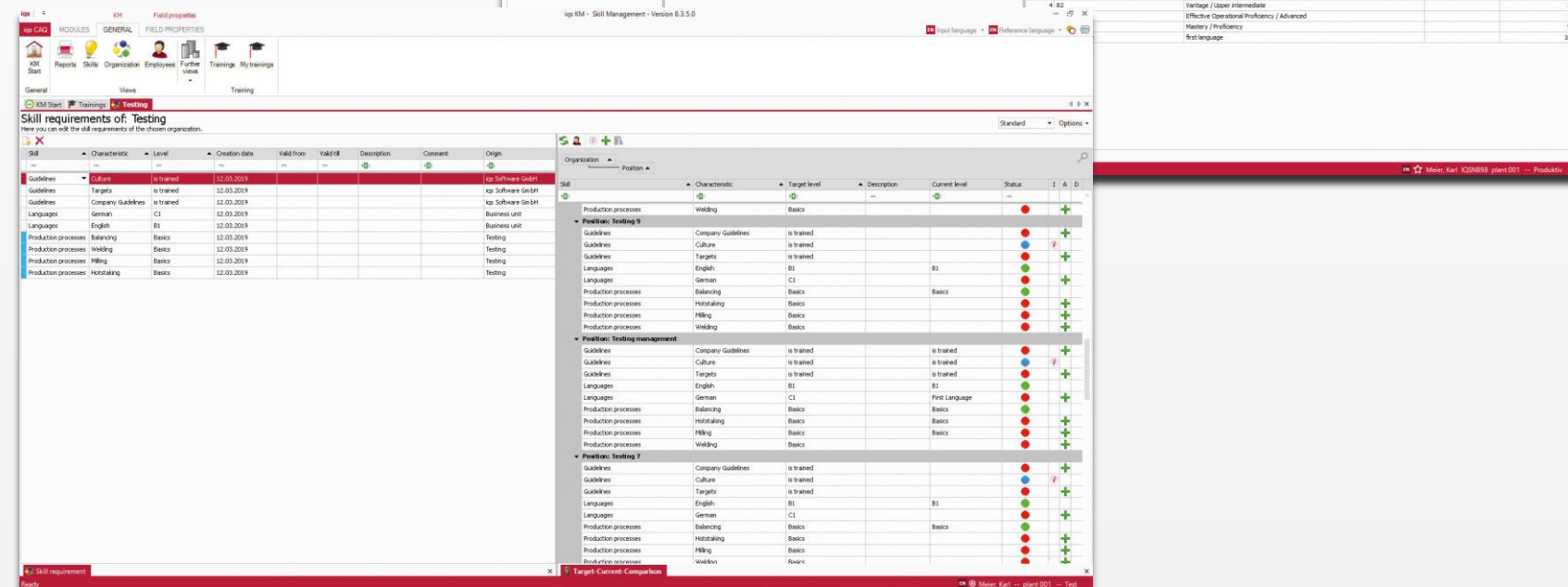
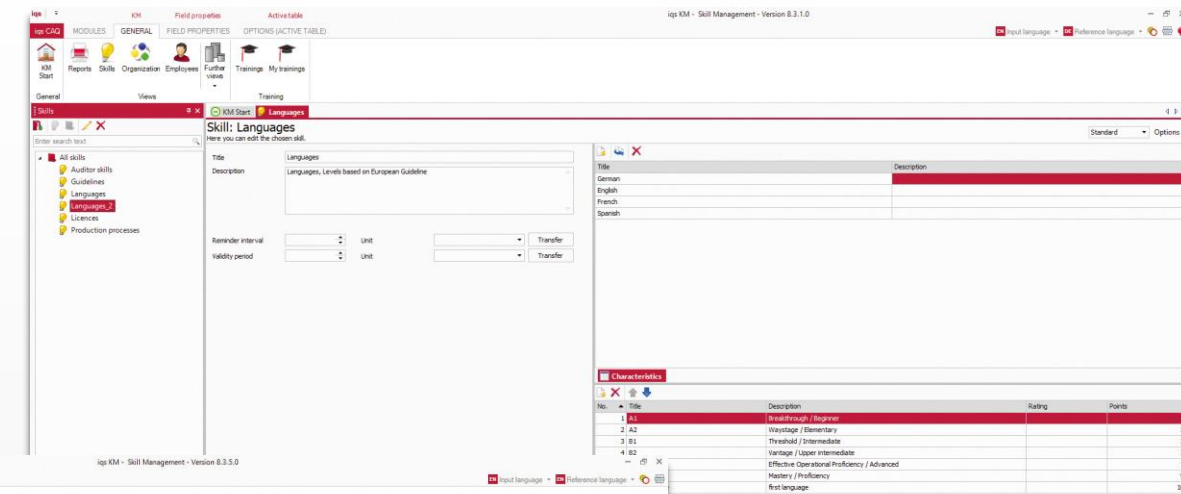
The screenshot displays the 'Supplier audit VDA 6.3 P2-P7 - Hittenkamp' form. The interface includes a top menu bar with options like 'Save', 'Export', 'E-Mail', 'Lock', 'New version', 'New question', 'Add question', 'Delete question', 'Characteristics', 'Import actual values', 'Expand', 'Contract', 'Move to free binding', 'Set specification', 'Show or hide filter row', and 'Connect for collaboration'. The main form area is divided into sections for 'General', 'Field properties', and 'Options (ACTIVE TABLE)'. The 'Field properties' section contains fields for 'Creation date', 'Changed at', 'Created by', 'Changed by', 'Status', 'Status date', 'Audit type', 'Follow on audit of audit no.', and 'Basis of audit'. The 'Options (ACTIVE TABLE)' section contains a table with columns for 'Question no.', 'Question', 'Question category', '*Question', 'Description', and 'Priority'. The table lists several questions related to the audit, such as 'Are the actions from the product and process development plans implemented? (Product)' and 'Are the resources available and are they qualified to ensure the start of the serial production? (Process)'. The bottom of the form includes a 'Findings' section with columns for 'Assessment', 'Finding', 'Shift', 'Auditor', 'Hallmark', 'Recurring error', 'Doc.', 'Actions', 'Further question', and 'Causes'.



The screenshot displays the 'Supplier audit VDA 6.3 P2-P7 - catalog' form. The interface includes a top menu bar with options like 'Save', 'Lock', 'Release', 'New question', 'Add question', 'Delete question', 'Characteristics', 'Import actual values', 'Expand', 'Contract', 'Move to free binding', 'Set specification', 'Show or hide filter row', and 'Connect for collaboration'. The main form area is divided into sections for 'General', 'Field properties', and 'Options (ACTIVE TABLE)'. The 'Field properties' section contains fields for 'Creation date', 'Changed at', 'Created by', 'Changed by', 'Status', 'Status date', 'Audit type', 'Follow on audit of audit no.', and 'Basis of audit'. The 'Options (ACTIVE TABLE)' section contains a table with columns for 'Question no.', 'Question', 'Question category', '*Question', 'Description', and 'Priority'. The table lists several questions related to the audit, such as 'Is there a project plan and has this been agreed with the customer?' and 'Are the resources available and are they qualified to ensure the start of the serial production? (Process)'. The bottom of the form includes a 'Findings' section with columns for 'Assessment', 'Finding', 'Shift', 'Auditor', 'Hallmark', 'Recurring error', 'Doc.', 'Actions', 'Further question', and 'Causes'.

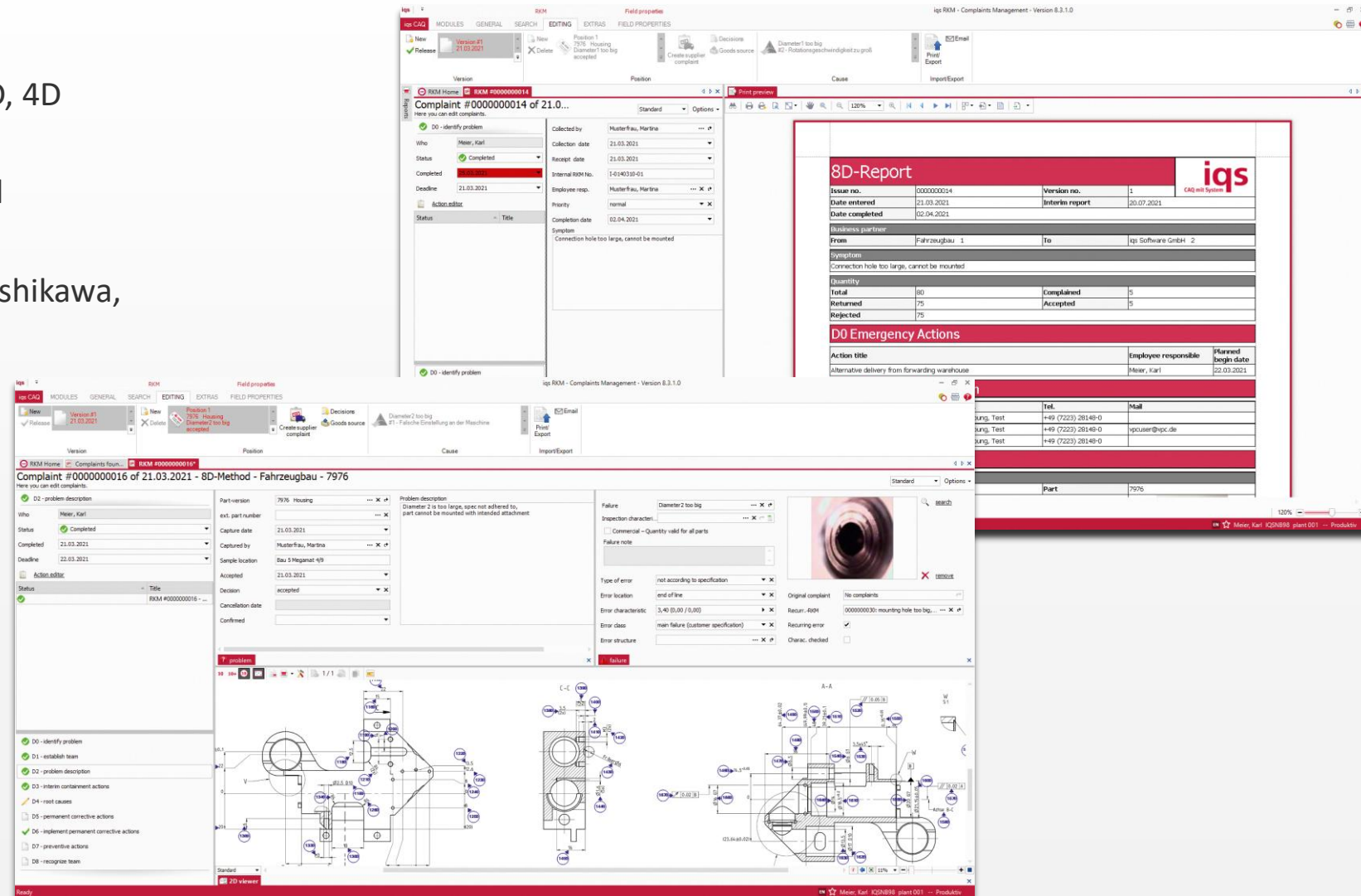
Functions

- Reuse of previously defined competencies
- Fullfilment of documentation requirements according to ISO 9001
- Administration of certification with expiry dates in integrated document management
- Comparison of target and actual qualifications to determine training actions



Functions

- Complaint reports according to the 8D, 4D methodology or individually
- Ishikawa diagrams and 5-Why method according to VDA
- Output in reports with defect image, Ishikawa, 5-Why and other images
- Freely configurable workflows
- Usage of existing/definition of new failures in FMEA

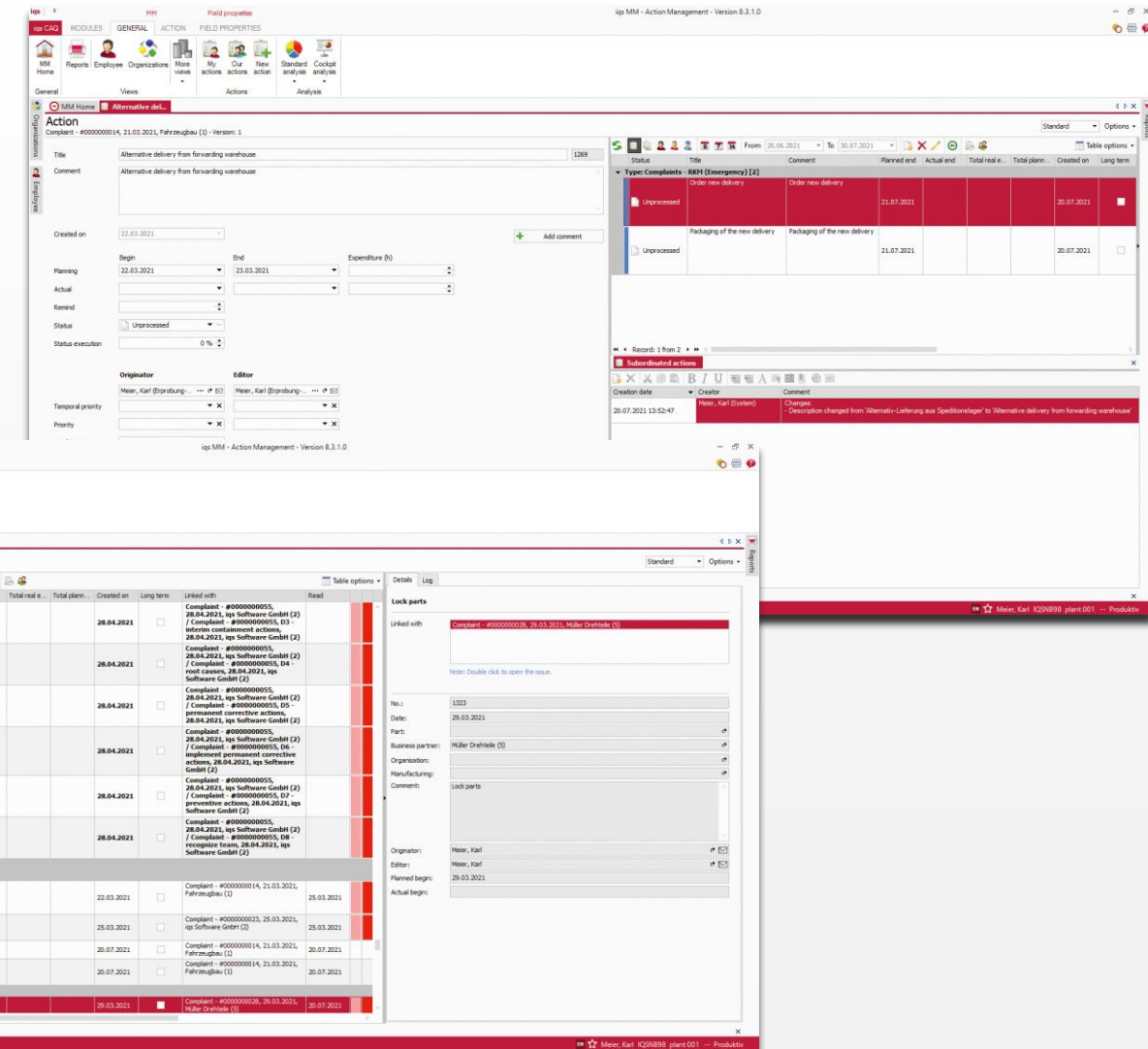


The screenshot displays the iqs RCM - Complaints Management software interface, version 8.3.1.0. The interface is divided into several sections:

- Top Bar:** Includes navigation tabs (Modules, General, Search, Editing, Extras, Field Properties) and a search bar.
- Left Panel:** Contains a list of complaint entries with columns for Status, Who, Date, and Title. The selected entry is "Complaint #000000016 of 21.03.2021 - 8D-Method - Fahrzeugbau - 7976".
- Main Content Area:**
 - Complaint Details:** Shows fields for Who (Meier, Karl), Status (Completed), Date (21.03.2021), and Title (Complaint #000000016 of 21.03.2021 - 8D-Method - Fahrzeugbau - 7976).
 - Problem Description:** Displays the issue: "Diameter 2 is too large, spec not adhered to, part cannot be mounted with intended attachment".
 - Failure Analysis:** Includes a section for "Failure" with a defect image and a table for "Type of error" (not according to specification, end of line, Error characteristic, Error class, Error structure).
 - 8D-Report:** A detailed report showing the 8D methodology steps, including "D0 - identify problem", "D1 - establish team", "D2 - problem description", "D3 - interim containment actions", "D4 - root causes", "D5 - permanent corrective actions", "D6 - implement permanent corrective actions", "D7 - preventive actions", and "D8 - recognize team".
 - 5-Why Analysis:** A diagram showing the 5-Why method for root cause analysis.
 - Ishikawa Diagram:** A fishbone diagram showing the causes and effects of the problem.
- Right Panel:** Contains a table for "8D Emergency Actions" with columns for Action title, Employee responsible, and Planned begin date. It also includes a table for "D0 Emergency Actions" with columns for Action title, Employee responsible, and Planned begin date.

Functions

- Definition and tracking of issue related actions through freely definable action catalogs
- Splitting into sub-actions and separate tracking of these sub-actions
- Reminder of outstanding actions by follow-up email
- Review of the degree of completion and effectiveness of actions

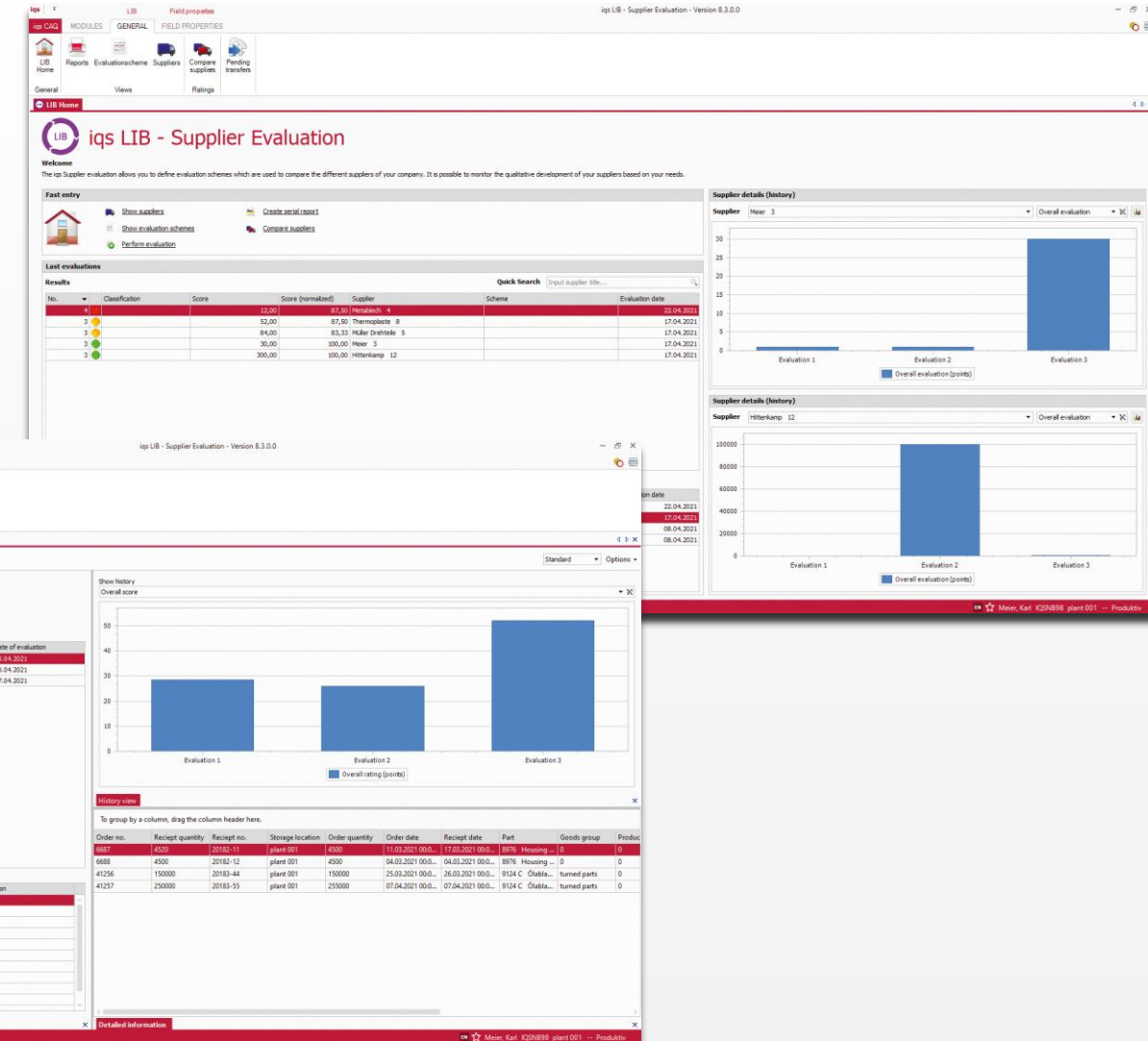


The screenshot displays the iip MM - Action Management software interface, Version 8.3.1.0. The interface is divided into several sections:

- Top Navigation Bar:** Includes modules like CAQ, GENERAL, ACTION, and FIELD PROPERTIES. It also features icons for Home, Reports, Employee, Organization, and various action types (New, Standard, Cost). A search bar is present.
- Left Sidebar:** Contains a 'My actions' section with a list of actions and their status (e.g., Unprocessed, In progress).
- Main Content Area:**
 - Action Detail View:** Shows details for a specific action, including its title, comment, creation date, planning dates, and status. It also includes a 'Subordinated actions' section.
 - Table View:** Displays a table of actions with columns for Status, Title, Comment, Planned end, Actual end, Total real e., Total plann., Created on, and Long term. The table is filtered by 'Type: Complaints - R01 (Emergency) [2]'.
 - Details View:** Provides a detailed view of a specific action, including its title, comment, creation date, and status. It also includes a 'Lock parts' section.

Functions

- Evaluation scheme for different supplier groups
- Simple use of formulas through explanations and legends
- Freely selectable weighting of criteria according to company-specific standards for soft and hard facts
- Report with key figures, graphics and calculation basis

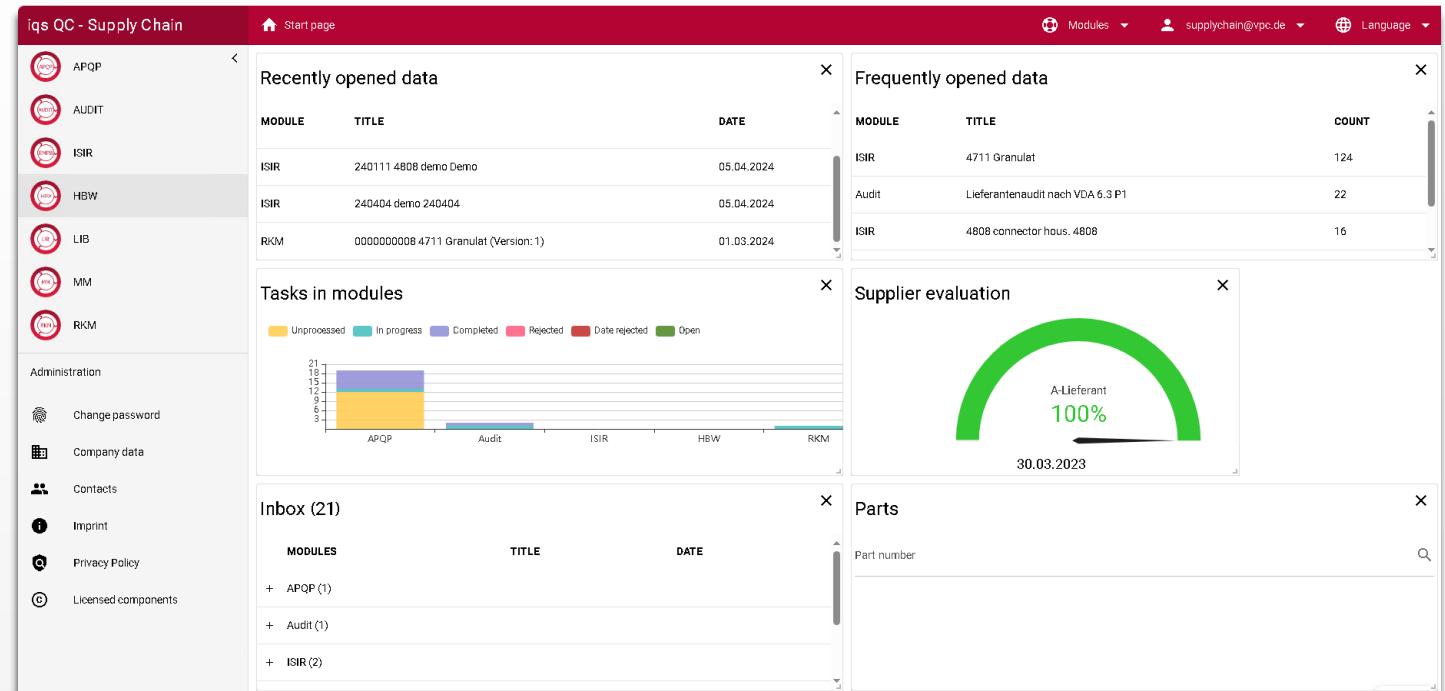


Functions

- › Targeted and structured communication with suppliers
- › Simple and fast response to processes
- › Common database and traceable data flow
- › Browser-based without additional installation at the supplier

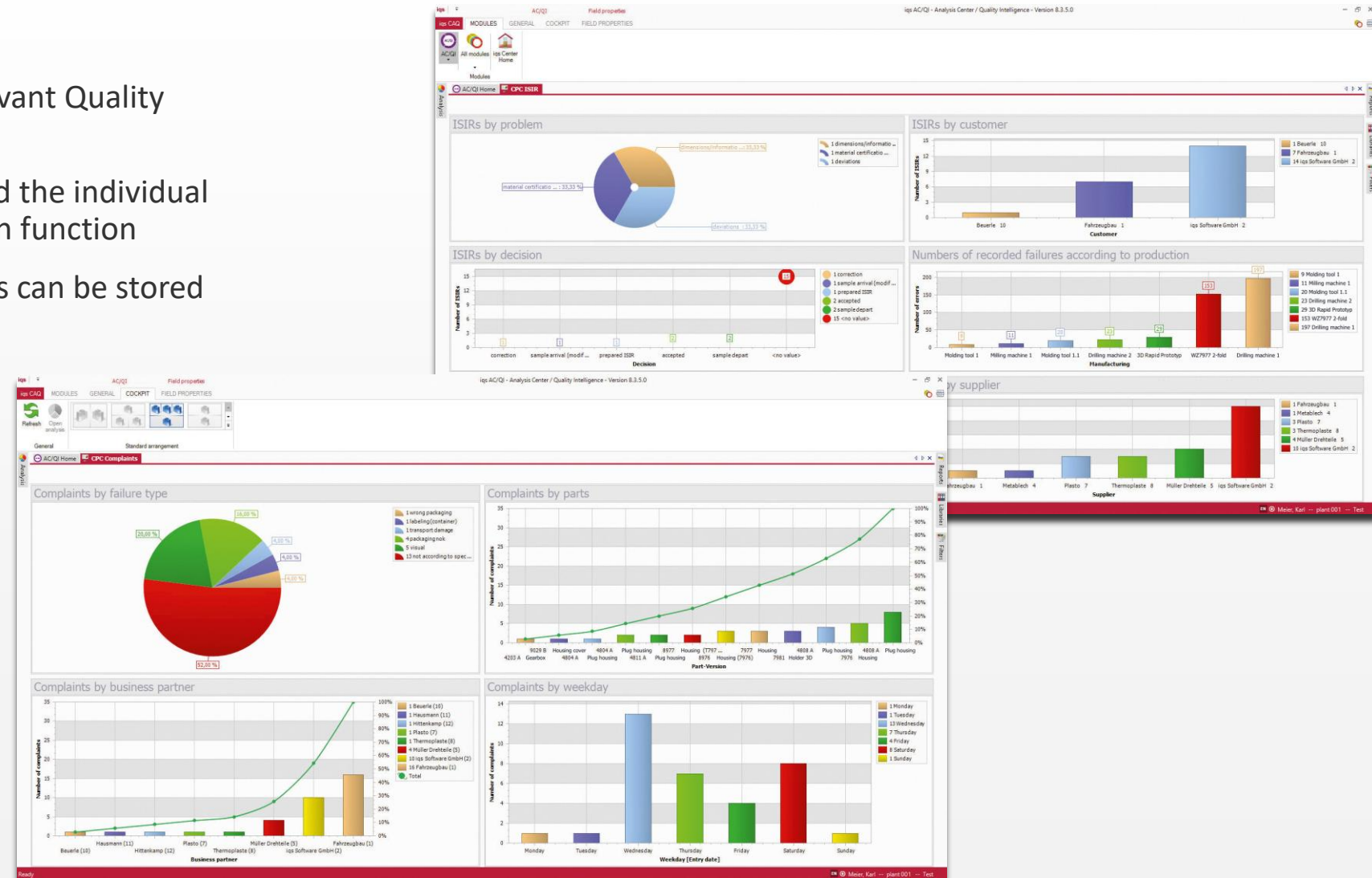
PeakAvenue QC - Supply Chain supports the communication with the following modules:

- › APQP
- › Initial sampling process
- › Action Management
- › Processing complaints
- › Feasibility Study
- › Supplier Evaluation
- › AUDIT



Functions

- Direct access to all evaluation-relevant Quality Center data
- Access to the detailed analyses and the individual quality processes via the drill-down function
- Company-specific report templates can be stored
- Automatic generation of quality reports



Voice of customer

„Thanks to the **consistency of FMEA, production control plan and inspection plan**, we save an enormous amount of time - this also helped us with the IATF certification.“

"We save more than 50% of **working hours** – and we also avoid potential inadvertent mistakes."

„If we change a process step or an action, these changes are automatically taken into account in all FMEAs that use this **building block**. As a result, all FMEAs are always up to date.“

"The **versioning of documents** enables us to continuously trace the parts history and respond quickly to corresponding customer requests".

„In addition to the significant decrease of **repeat failures** and clear cost reduction for generating FMEAs, inspecting auditors and certification bodies are impressed with the database-oriented structure and the integration of FMEA in the **quality loop**, showing that data and information in the individual quality modules is consistent.“

"The **optimized communication** saves us a lot of time with **suppliers** as they clearly know what has to be sampled."

Benefits

Improve Quality – up to

50%

Reduce Costs / Waste – up to

80%

Speed of Processes – up to

80%

Audit Proof – up to

100%



Questions?

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