



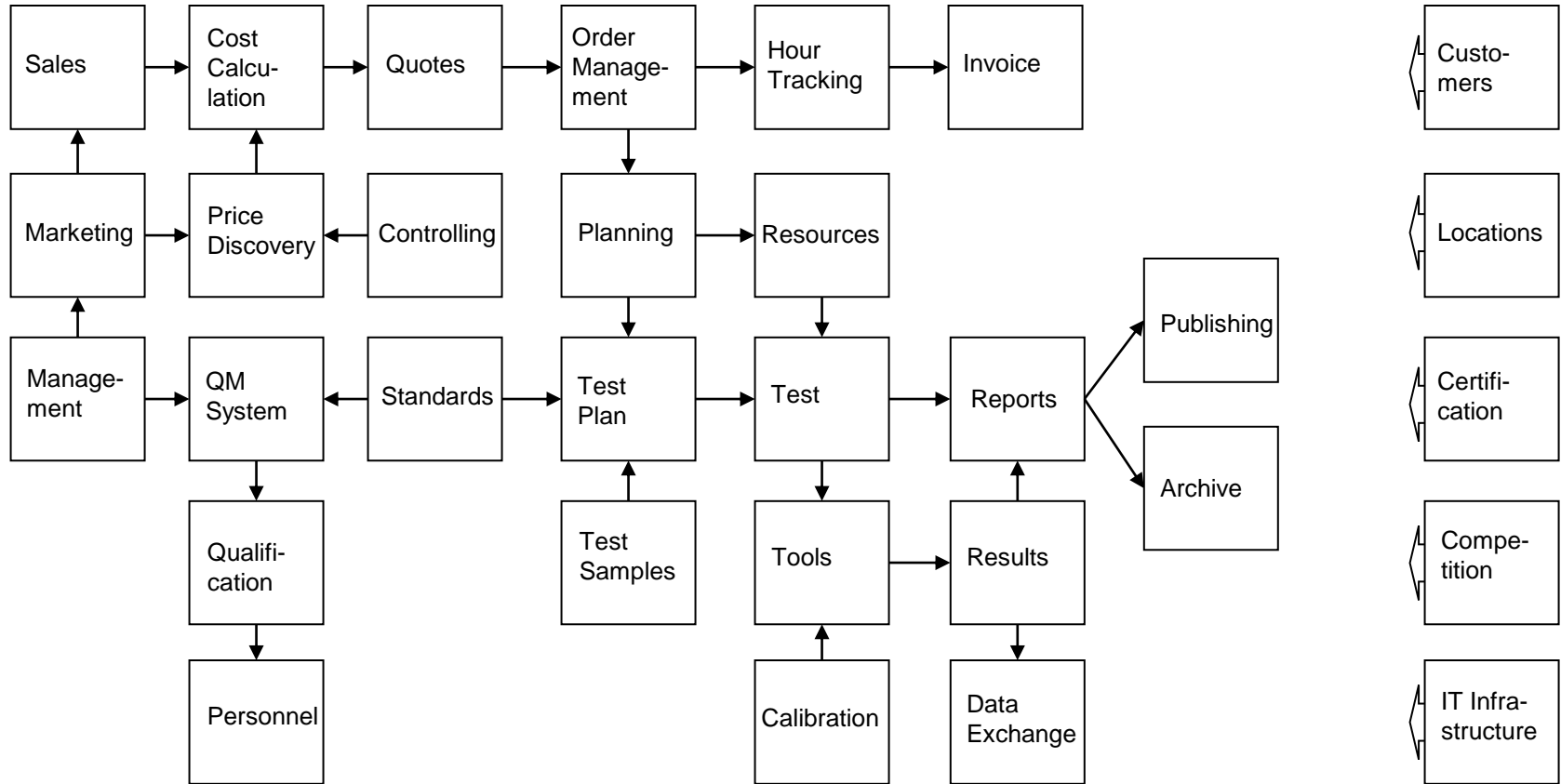
Starter Package TestLab Plus 025

Functional Overview

easy • innovative • individual

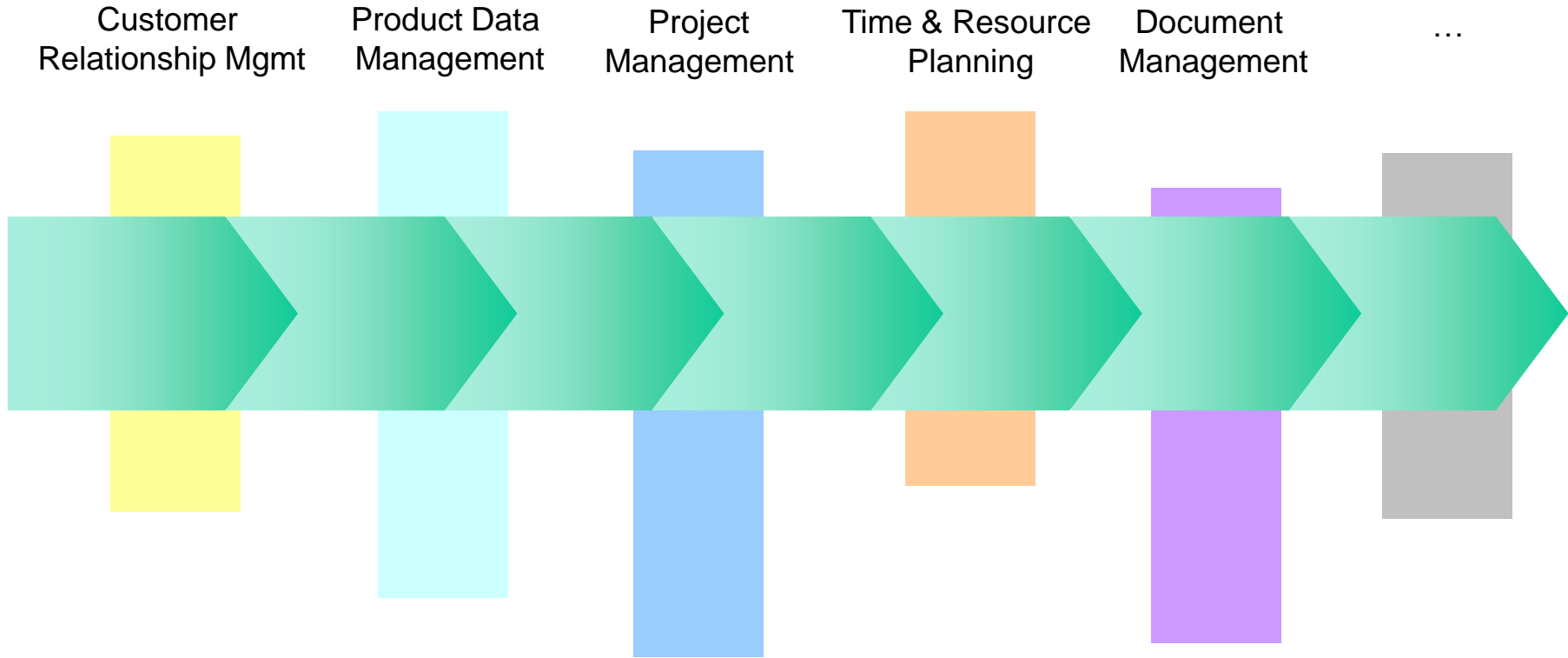
Lab Management

The Challenge



TestLab Plus 025

Focused on the Process of a Test Lab



TestLab Plus 025

What's behind the Starter Package TestLab Plus 025?

The TestLab Plus 025 starter package

- supports all processes of a Test Laboratory,
- is no standard software but a very good basis to start the implementation of a comprehensive lab management system with individual enhancements,
- has a very flexible range of functions and can even be extended by more start options,
- can immediately be used as it is and be updated after the implementation to customer specific requirements,
- has a fixed project-price with no further license costs,
- has built-in interfaces to Microsoft Office applications (Outlook, Word, Excel),
- can be integration in your company environment with additional interfaces (e.g. to SAP or other ERP systems),
- is proved by other dacore customers already.

TestLab Plus 025

What does the Starter Package TestLab Plus 025 not wanted to be?

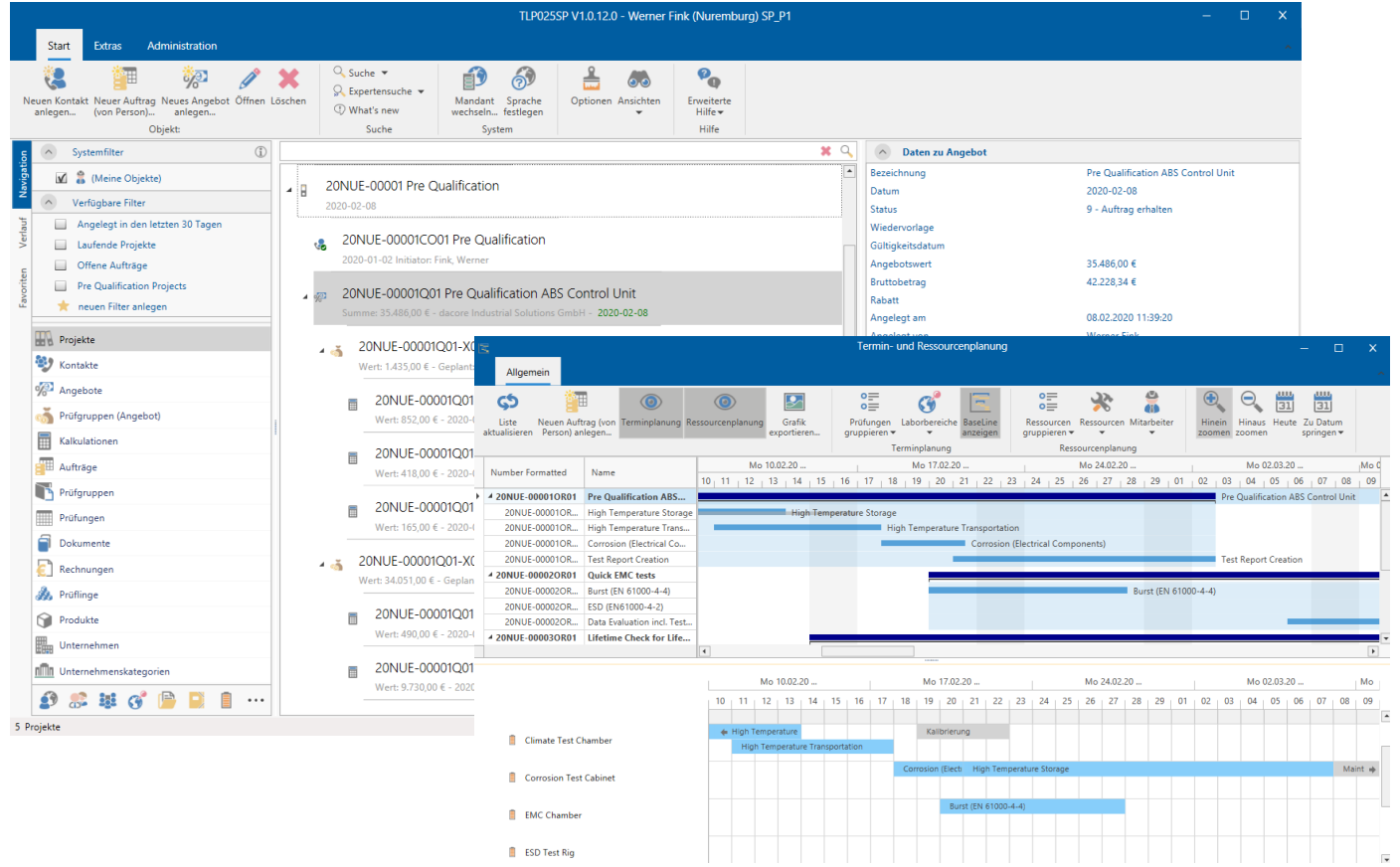
The TestLab Plus 025 starter package

- is no standard software,
- is no system, where continuous updates are necessary,
- does not need an update contract at all,
- has no client based license model,
- is no ERP system but has the possibilities to interface other systems.

TestLab Plus 025

Functional Overview (1)

- Customer Data Management (CRM)
- Contact Management
- Calculation and Quotation
- Order Management
- Time & Resource Scheduling
- Test Sample Management
- Management of Test Plans and Test Plan Templates
- Assign performed work to Orders and Tests
- Invoicing (internal and external prices)
- Creation of Status Reports and other data based Documents



The screenshot displays the TestLab Plus 025 software interface. The main window shows a project overview for '20NUE-00001 Pre Qualification'. A detailed view of a task, '20NUE-00001Q01-XC', is open, showing a Gantt chart for 'Termin- und Ressourcenplanung' (Schedule and Resource Planning). The Gantt chart shows various tasks and their durations across a timeline from October 2020 to March 2021. A legend at the bottom identifies resources such as 'Climate Test Chamber', 'Corrosion Test Cabinet', 'EMC Chamber', and 'ESD Test Rig'.

TestLab Plus 025

Functional Overview (2)

- Management of Measuring Equipment
- Improvement and Complaint Management
- Creation and management of Test Reports with integrated Image Processing Functions and Measuring Data Management
- Integrated Document Management System
- Integrated Workflow and Messaging System
- Free definable Help Functions
- Smart Query and Data Analyzing Functions
- Outlook Add-In to assign e-mails
- SendTo application to assign files
- Administrative Tools

The screenshot displays the TestLab Plus 025 software interface. The main window, titled 'Objekt: Messmittel (Nürnberg) Digital Multimeter', shows a table with the following data:

Feld	Wert
Bezeichnung	Digital Multimeter
Überprüfungsart	Kalibrierung
Laborbereiche	Environmental; Safety; Dimensiona...
Kalibrierangaben	24 Monate

Below the table, there is a section for image processing. The 'Bilder' window shows a list of images, with the selected image 'Schliffbild.JPG' displayed in a larger view. The image shows a micrograph of spherical particles. The 'Bildbeschreibung' field contains 'Schliffbild.JPG' and the 'Aufnahmedatum' is '13.02.2020 20:06:24'. The 'Bemerkung' field contains 'Micrograph Detail 2,0 µm Resolution'. A small image of a digital multimeter is also visible on the right side of the interface.

TestLab Plus 025

Base Data (Companies, Person, Employees)

- Easy and structured registration and maintenance of customer and person data
- Different types of addresses
- Quality relevant data for suppliers or calibration departments
- Role based permission and right system
- Direct usage of e-mail addresses
- Assign employees to lab fields
- Personnel categories for marketing activities
- Company categories for evaluations

The screenshot displays two overlapping windows from the dacore TestLab Plus application. The top window, titled 'Objekt: Unternehmen (Nürnberg) dacore Test Center', shows the 'Allgemein' (General) tab for a company. It includes a toolbar with icons for 'Neu', 'Kopieren', 'Löschen', 'Öffnen', 'Speichern', 'Mitarbeiter aufnehmen', 'E-Mail', 'Nachrichtenjournal', and 'Erweiterte Hilfe'. Below the toolbar are tabs for 'Grunddaten', 'Adresse 1', 'Adresse 2', 'Adresse 3', 'Adresse 4', 'Interne Dateien', and 'Eigenschaften'. The 'Grunddaten' tab is active, showing fields for Name 1 (filled with 'dacore Test Center'), Name 2, Rechtsform (filled with 'AG'), Debitorennummer (filled with 'D-0977'), SAP Kundenr. (filled with '0295-A'), CRM Nummer (filled with '7733'), Kostenstelle, Zahlungsziel (filled with '30' and 'Tage'), Unsere ID beim Unternehmen (filled with 'XXX'), USt. ID (filled with 'YYY'), and USt. Satz (filled with '19,00' and '%'). There are also checkboxes for 'Verrechnung mit USt.' and 'Externer Stundensatz'. A 'Sichtbar für Mandant' section shows a list of mandants: Nürnberg, Wien, and Syracuse, all with checked boxes.

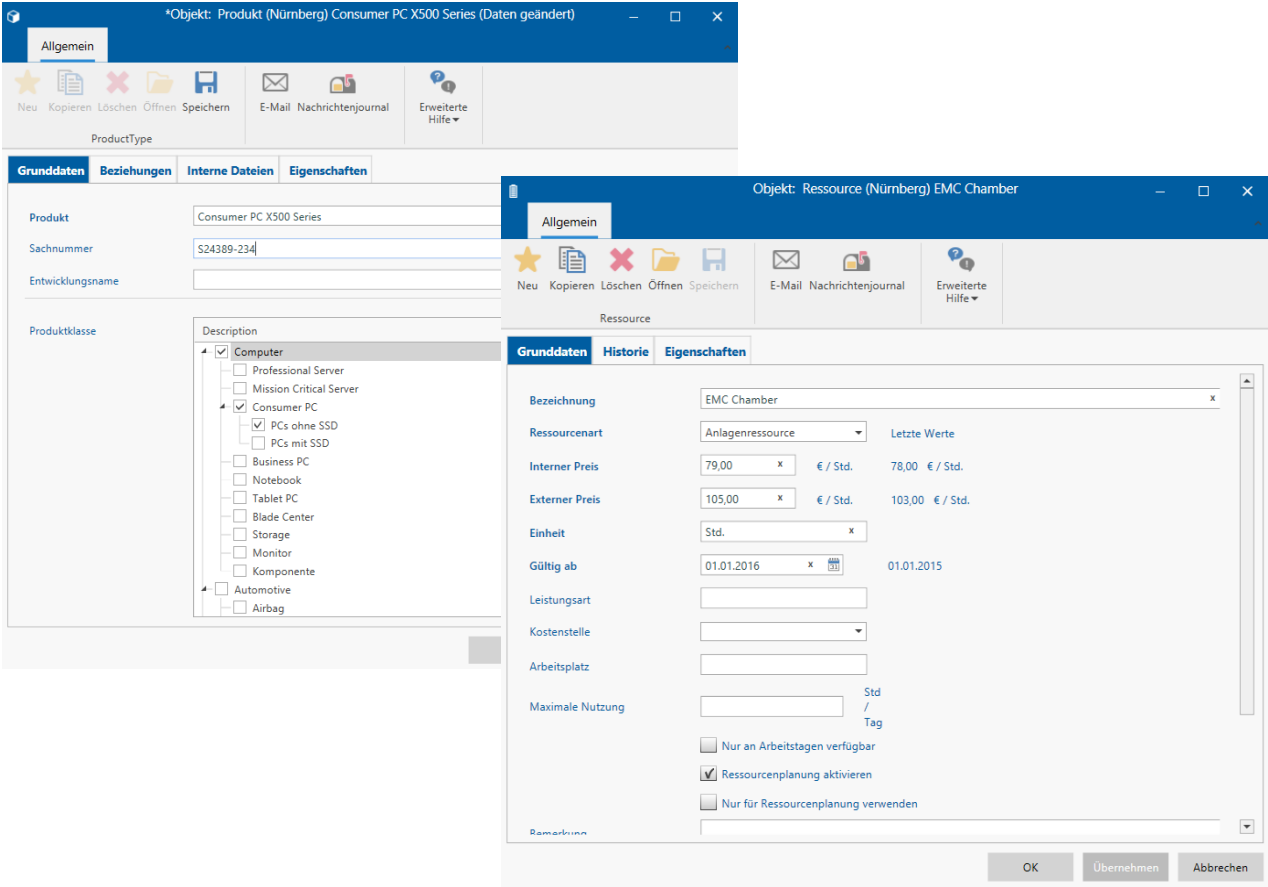
The bottom window, titled '*Objekt: Mitarbeiter (Nürnberg) Alfred Administrator (dacore Test Center) (Daten geändert)', shows the 'Allgemein' tab for an employee. It has a similar toolbar and tabs for 'Grunddaten', 'Beziehungen', 'Verwaltung', and 'Eigenschaften'. The 'Grunddaten' tab is active, showing fields for Heimat Mandant (filled with 'Nürnberg'), Mandant (auswählen für die Funktionszuordnung) (filled with 'Nürnberg'), Eintrittsdatum, Austrittsdatum, Kostenstelle, Personalnummer (filled with '001'), Stundensatz (filled with 'EUR (Mandant Nürnberg)'), Arbeitszeit (filled with '40,00' and 'Std./Woche'), Kurzzeichen (filled with 'aa'), Funktion, and Freigebende. There are checkboxes for 'Temporärer Mitarbeiter' and 'Ressourcenplanung aktivieren'. At the bottom, there are fields for Benutzername (filled with 'admin'), Kennwort, and PIN. The window ends with 'OK', 'Übernehmen', and 'Abbrechen' buttons.

TestLab Plus 025

Base Data (Test Samples and Resources)

- Manage EUT (test sample) data and configuration in different hierarchy levels
- Define characters for components
- Assignment to product structure possible

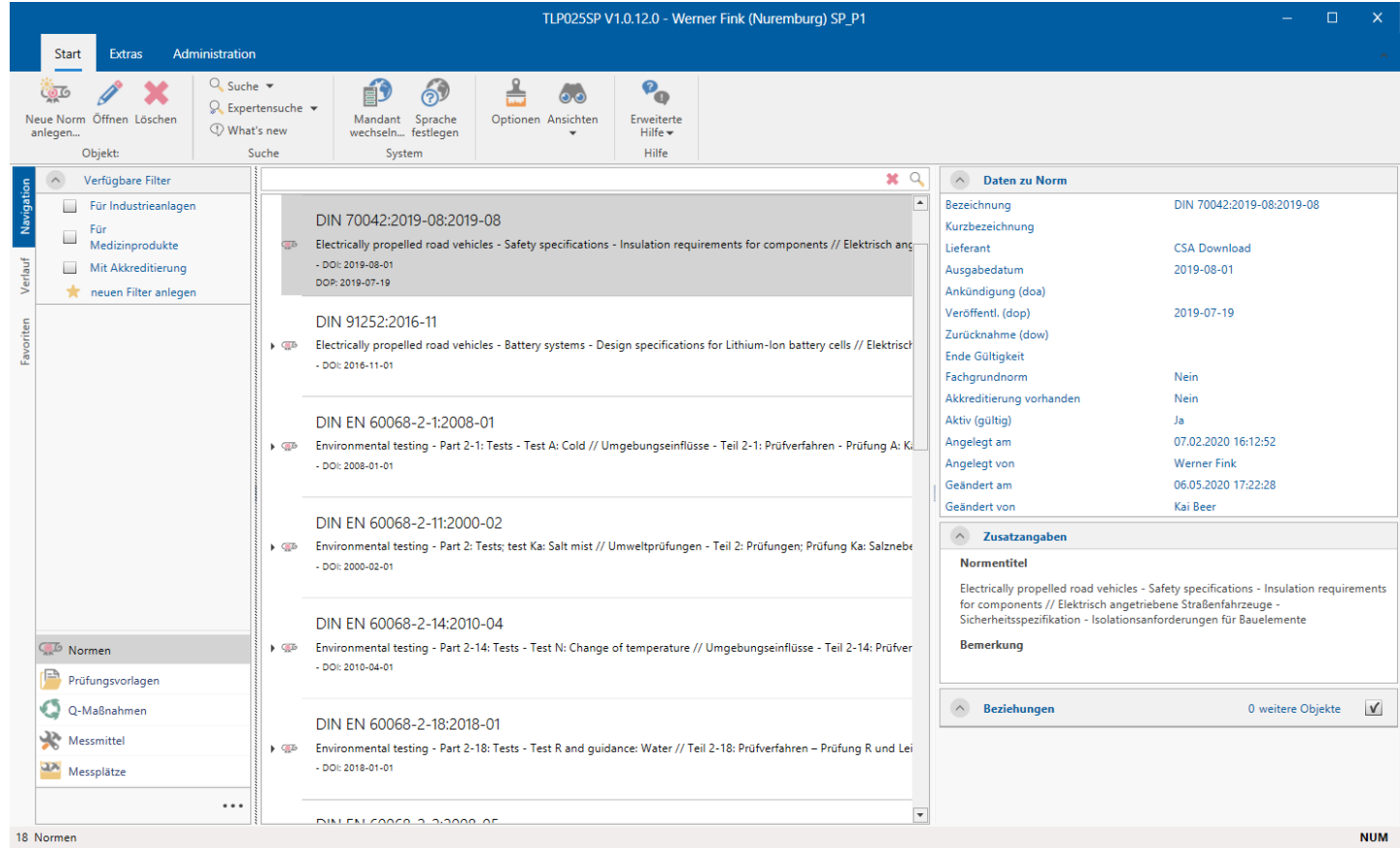
- Different types of resources available (human work, equipment, external costs, material costs)
- Resource based pricing model with internal and external prices
- Full price history (planned, current and historical prices)



TestLab Plus 025

Base Data (Standards and Specifications)

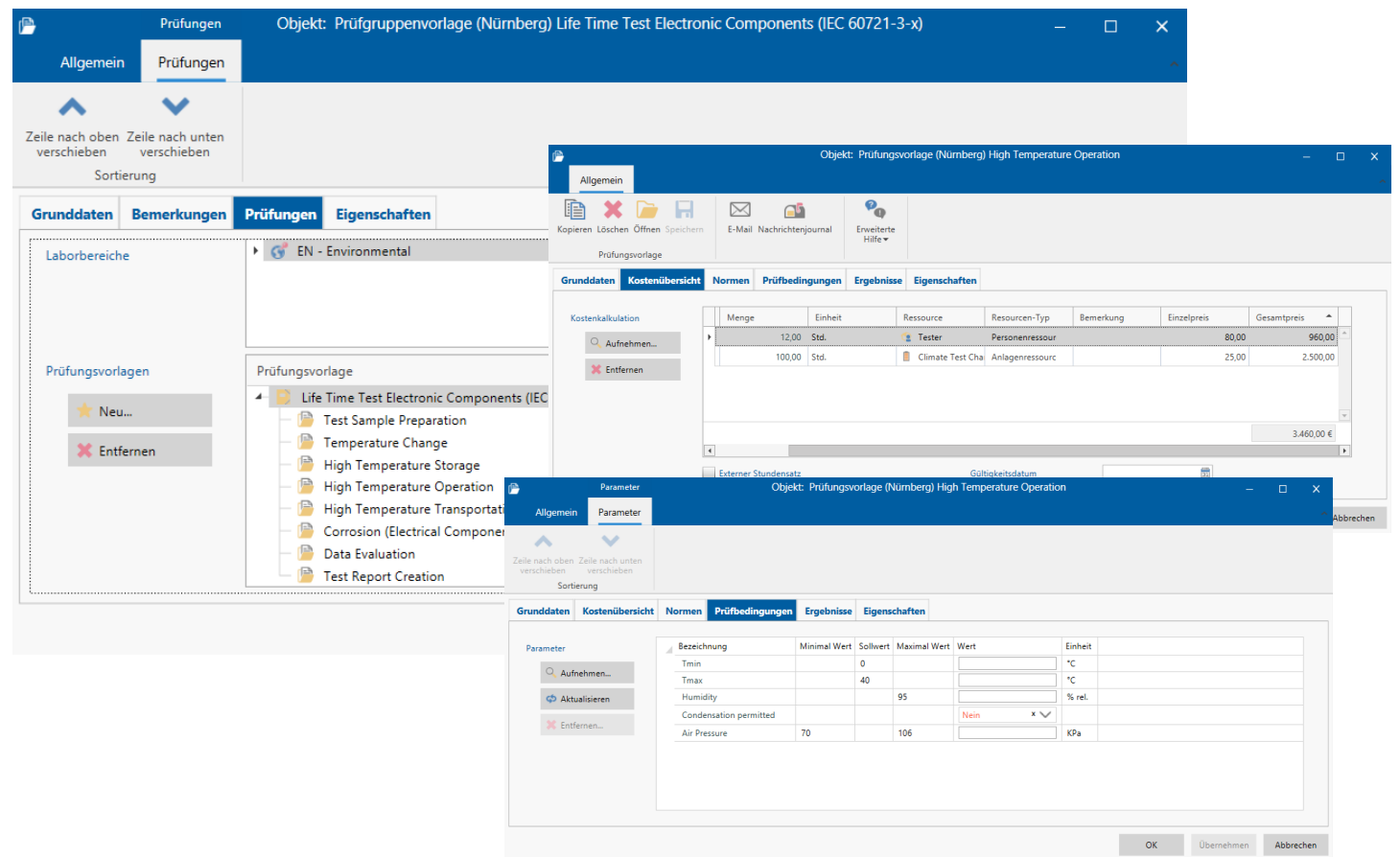
- Management of basic data of standards, specifications (e.g. OEM specs) or other external documents
- Assignment of files (standard)
- Relationships between standards
- Categorization according to industries, countries or application areas
- Monitoring of dates (e.g. doa, dop, dow, etc.)
- Referencing in tests



TestLab Plus 025

Templates for single tests or test sequences

- Set up templates for single tests or single work packages
- Group these single steps in test group templates
- Unlimited levels of groups in groups possible, so that test legs can be set up
- Calculate costs for each single step or test. Total costs per group or sequence will be shown.
- Define test conditions and test results as parameter. *1)
- Link standards,
- Link lab fields to route work in lab



The screenshot displays the TestLab Plus software interface with three overlapping windows:

- Top Window:** "Prüfungen" (Tests) for "Objekt: Prüfgruppenvorlage (Nürnberg) Life Time Test Electronic Components (IEC 60721-3-x)". It shows a tree view of test templates under "EN - Environmental", including "Life Time Test Electronic Components (IEC)", "Test Sample Preparation", "Temperature Change", "High Temperature Storage", "High Temperature Operation", "High Temperature Transport", "Corrosion (Electrical Component)", "Data Evaluation", and "Test Report Creation".
- Middle Window:** "Kostenübersicht" (Cost Overview) for "Objekt: Prüfungsvorlage (Nürnberg) High Temperature Operation". It displays a cost calculation table:

Menge	Einheit	Ressource	Ressourcen-Typ	Bemerkung	Einzelpreis	Gesamtpreis
12,00	Std.	Tester	Personenressourc		80,00	960,00
100,00	Std.	Climate Test Cha	Anlagenressourc		25,00	2.500,00
						3.460,00 €
- Bottom Window:** "Parameter" for "Objekt: Prüfungsvorlage (Nürnberg) High Temperature Operation". It shows a table of test parameters:

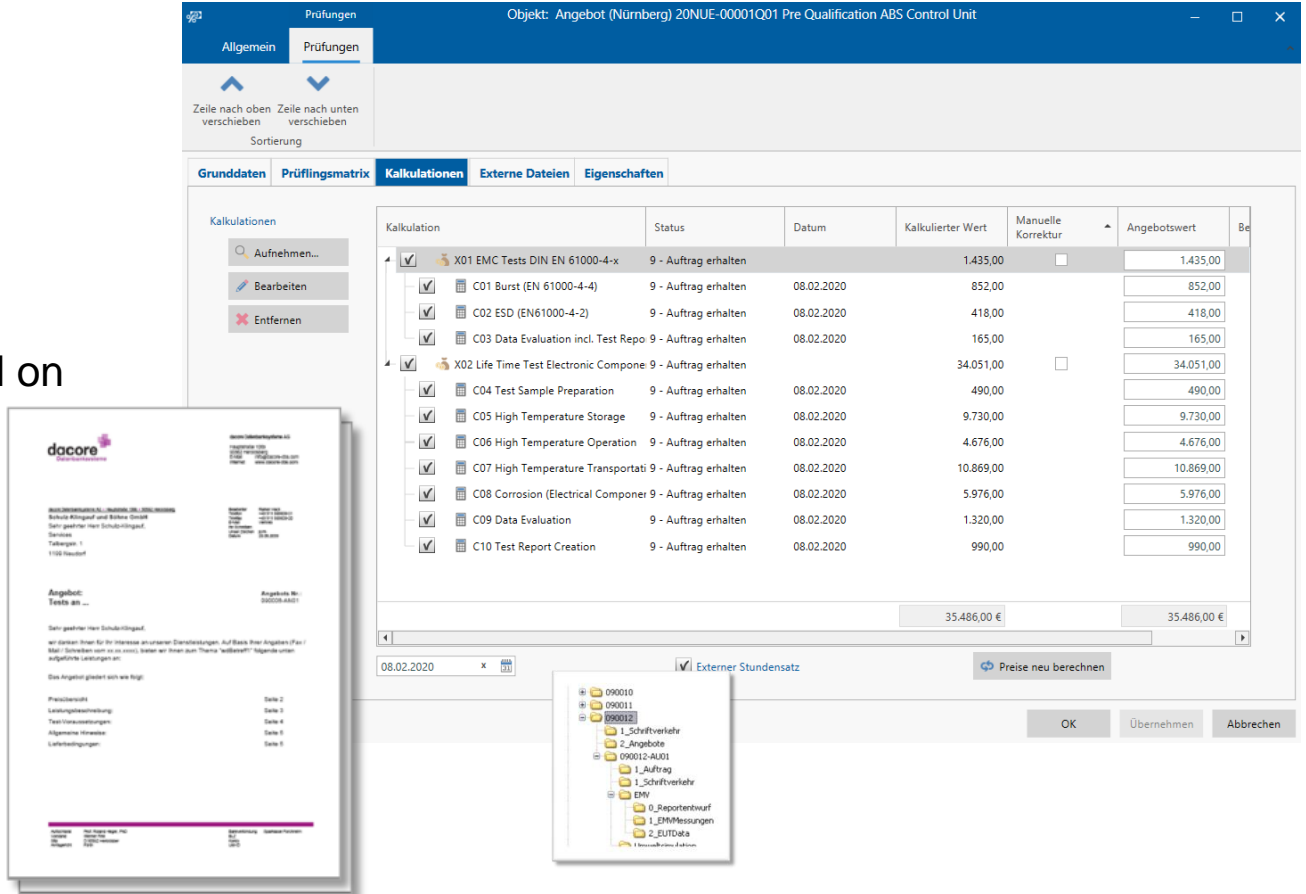
Parameter	Bezeichnung	Minimal Wert	Sollwert	Maximal Wert	Wert	Einheit
Tmin			0			°C
Tmax			40			°C
Humidity				95		% rel.
Condensation permitted					Nein	
Air Pressure		70		106		KPa

*1) Option „Parameter“ needed

TestLab Plus 025

Cost Calculations and Quotations

- Set up test plans or test sequences
- Define scope of work and the test plan for calculations already in quotation phase
- Creation of tenders based on single calculations or groups/sequences.
- Nearly fully Automated creation of documents based on MS-Word templates
- Automatic creation of folder and file structure for such documents
- Controlling of due dates using Outlook or the internal messaging functions
- Assign employees in different roles for tenders/ quotes, orders, tests (technical responsible, project manager, ...)



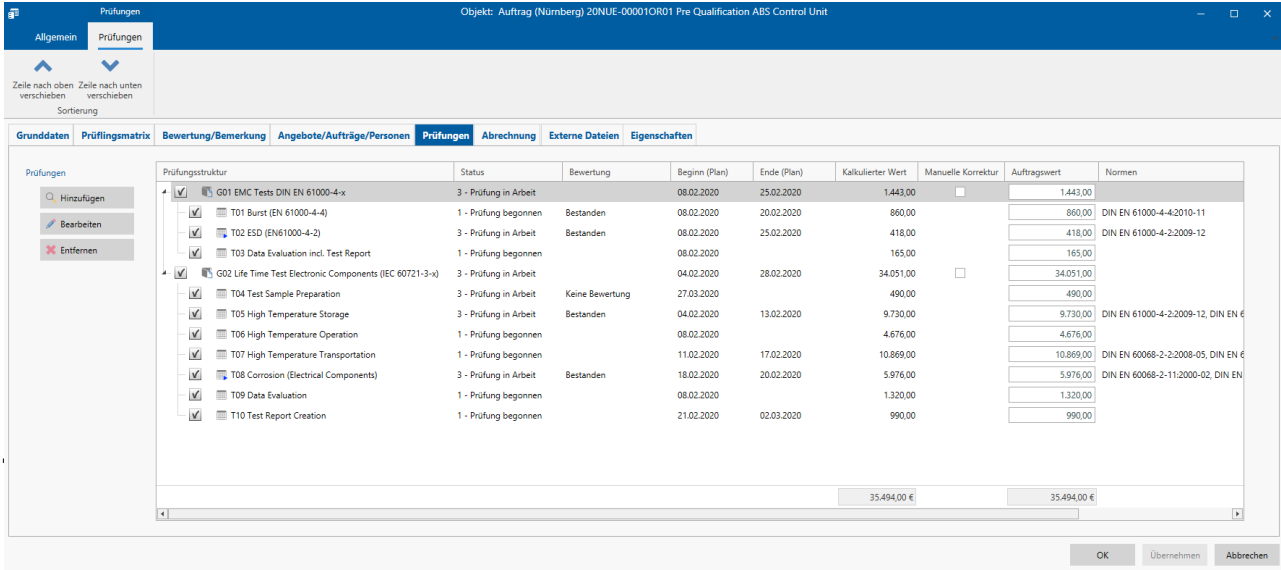
The screenshot displays the 'Kalkulationen' (Calculations) window in the dacore software. The window title is 'Objekt: Angebot (Nürnberg) 20NUE-00001Q01 Pre Qualification ABS Control Unit'. The 'Kalkulationen' tab is active, showing a table of calculations with columns for 'Kalkulation', 'Status', 'Datum', 'Kalkulierter Wert', 'Manuelle Korrektur', and 'Angebotswert'. A tree view on the left shows a hierarchy of calculation items, including 'X01 EMC Tests DIN EN 61000-4-x' and 'X02 Life Time Test Electronic Component 9'. A document preview is overlaid on the bottom left, showing a technical document with the dacore logo and various fields.

Kalkulation	Status	Datum	Kalkulierter Wert	Manuelle Korrektur	Angebotswert
X01 EMC Tests DIN EN 61000-4-x	9 - Auftrag erhalten		1.435,00		1.435,00
C01 Burst (EN 61000-4-4)	9 - Auftrag erhalten	08.02.2020	852,00		852,00
C02 ESD (EN61000-4-2)	9 - Auftrag erhalten	08.02.2020	418,00		418,00
C03 Data Evaluation incl. Test Repo	9 - Auftrag erhalten	08.02.2020	165,00		165,00
X02 Life Time Test Electronic Component 9	9 - Auftrag erhalten		34.051,00		34.051,00
C04 Test Sample Preparation	9 - Auftrag erhalten	08.02.2020	490,00		490,00
C05 High Temperature Storage	9 - Auftrag erhalten	08.02.2020	9.730,00		9.730,00
C06 High Temperature Operation	9 - Auftrag erhalten	08.02.2020	4.676,00		4.676,00
C07 High Temperature Transportati	9 - Auftrag erhalten	08.02.2020	10.869,00		10.869,00
C08 Corrosion (Electrical Component 9	9 - Auftrag erhalten	08.02.2020	5.976,00		5.976,00
C09 Data Evaluation	9 - Auftrag erhalten	08.02.2020	1.320,00		1.320,00
C10 Test Report Creation	9 - Auftrag erhalten	08.02.2020	990,00		990,00
			35.486,00 €		35.486,00 €

TestLab Plus 025

Order- and Test Management (1)

- Define scope of order and single tests or complex test sequences (test plan, services, subject areas, standards, test conditions and test parameter, measurements ...)
- If quotation has been set up all data from the quote can be copied to the order. Work of defining test plan does not need to be done twice. More details can be added to the order and its tests. But order can be set up also without quote directly (same functions as for quotes).
- Assignment of test samples, test resources and responsibilities.
- Recording of internal (booking) and external costs. Easy and instant overview of accumulated costs.
- Automated creation of order related documents (e.g. order confirmation, cover sheets for test reports that cover multiple tests, business letters)
- Automated generation of file directories based on customer's configuration
- Time management functions



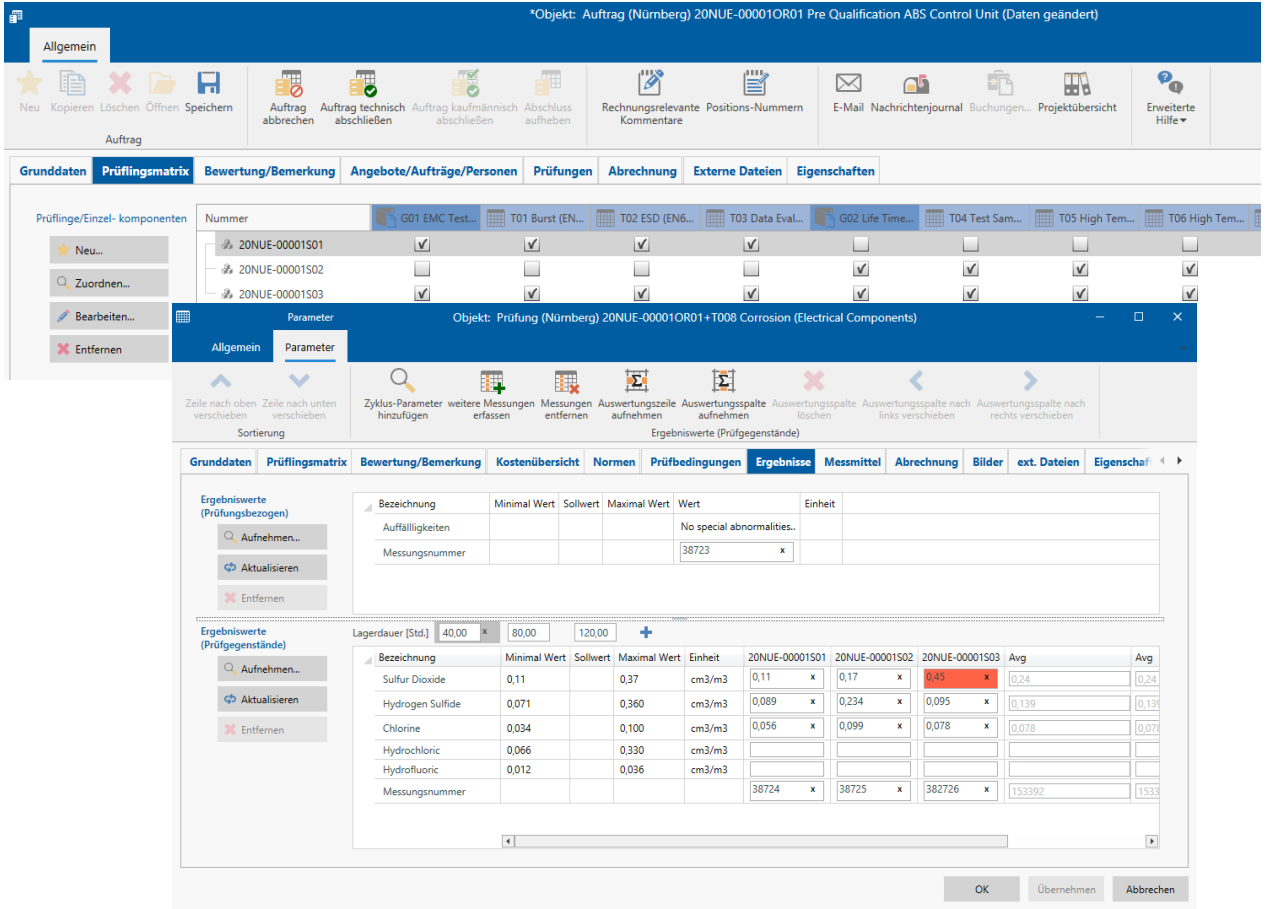
Objekt: Auftrag (Numberg) 20NUE-000010R01 Pre Qualification ABS Control Unit

Prüfungen	Status	Bewertung	Beginn (Plan)	Ende (Plan)	Kalkulierter Wert	Manuelle Korrektur	Auftragswert	Normen
<ul style="list-style-type: none"> ✓ G01 EMC Tests DIN EN 61000-4-x <ul style="list-style-type: none"> ✓ T01 Burst (EN 61000-4-4) ✓ T02 ESD (EN61000-4-2) ✓ T03 Data Evaluation incl. Test Report ✓ G02 Life Time Test Electronic Components (IEC 60721-3-x) <ul style="list-style-type: none"> ✓ T04 Test Sample Preparation ✓ T05 High Temperature Storage ✓ T06 High Temperature Operation ✓ T07 High Temperature Transportation ✓ T08 Corrosion (Electrical Components) ✓ T09 Data Evaluation ✓ T10 Test Report Creation 	3 - Prüfung in Arbeit	Bestanden	08.02.2020	25.02.2020	1.443,00		1.443,00	
	1 - Prüfung begonnen	Bestanden	08.02.2020	20.02.2020	860,00		860,00	DIN EN 61000-4-4:2010-11
	3 - Prüfung in Arbeit	Bestanden	08.02.2020	25.02.2020	418,00		418,00	DIN EN 61000-4-2:2009-12
	1 - Prüfung begonnen		08.02.2020		165,00		165,00	
	3 - Prüfung in Arbeit	Keine Bewertung	04.02.2020	28.02.2020	34.051,00		34.051,00	
	3 - Prüfung in Arbeit	Keine Bewertung	27.03.2020		490,00		490,00	
	3 - Prüfung in Arbeit	Bestanden	04.02.2020	13.02.2020	9.730,00		9.730,00	DIN EN 61000-4-2:2009-12, DIN EN 61000-4-2:2009-12
	1 - Prüfung begonnen		08.02.2020		4.676,00		4.676,00	
	1 - Prüfung begonnen		11.02.2020	17.02.2020	10.869,00		10.869,00	DIN EN 60068-2-2:2008-05, DIN EN 60068-2-11:2000-02, DIN EN 60068-2-11:2000-02
	3 - Prüfung in Arbeit	Bestanden	18.02.2020	20.02.2020	5.976,00		5.976,00	DIN EN 60068-2-11:2000-02, DIN EN 60068-2-11:2000-02
	1 - Prüfung begonnen		08.02.2020		1.320,00		1.320,00	
	1 - Prüfung begonnen		21.02.2020	02.03.2020	990,00		990,00	
					35.494,00 €		35.494,00 €	

TestLab Plus 025

Order- and Test Management (2)

- Assign samples (DUTs) to tests easily using a matrix.
- Define or detail test conditions and test results using parameter *1)
- Assessment of tests (passed/failed) and commend/remark functions.
- Assign test equipment and test stands used for each test.
- Assign pictures, graphics or measurement files to tests to document set up, pictures of samples or results.
- Integrated image editing (e.g. markings, and commends).



The screenshot displays the TestLab Plus software interface. The main window shows a test matrix for 'Objekt: Auftrag (Nürnberg) 20NUE-00001OR01 Pre Qualification ABS Control Unit (Daten geändert)'. The matrix lists various test components and their status across different test types (G01 EMC Test, T01 Burst, etc.).

An inset window titled 'Objekt: Prüfung (Nürnberg) 20NUE-00001OR01+T008 Corrosion (Electrical Components)' shows detailed results. It includes a table for 'Ergebniswerte (Prüfungbezogen)' and 'Ergebniswerte (Prüfgegenstände)'. The 'Ergebniswerte (Prüfungbezogen)' table shows 'Auffälligkeiten' as 'No special abnormalities...' and 'Messungsnummer' as '38723'. The 'Ergebniswerte (Prüfgegenstände)' table shows a grid of results for various substances (Sulfur Dioxide, Hydrogen Sulfide, Chlorine, Hydrochloric, Hydrofluoric) across different test samples (20NUE-00001S01, 20NUE-00001S02, 20NUE-00001S03) and an average value.

Bezeichnung	Minimal Wert	Sollwert	Maximal Wert	Wert	Einheit
Auffälligkeiten				No special abnormalities...	
Messungsnummer				38723	

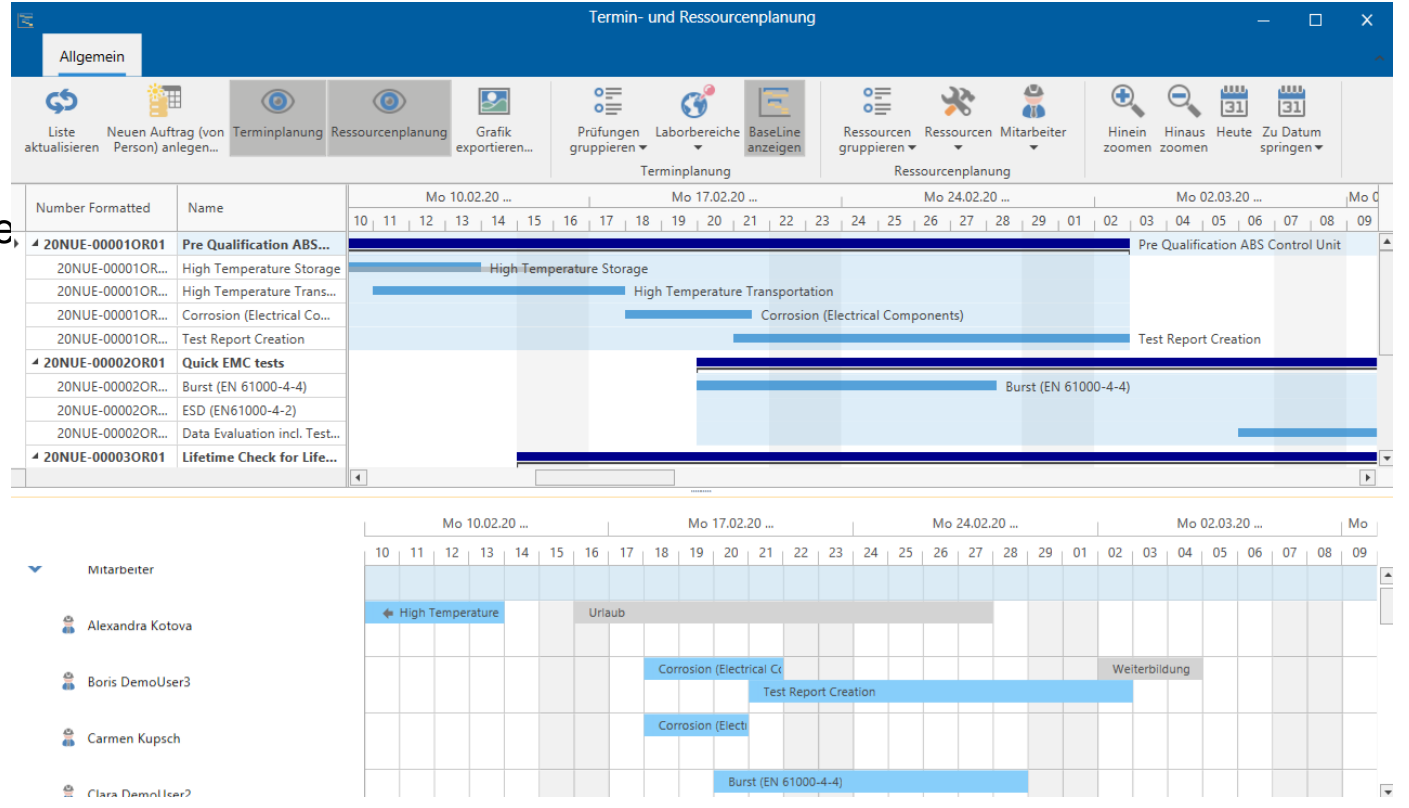
Bezeichnung	Minimal Wert	Sollwert	Maximal Wert	Einheit	20NUE-00001S01	20NUE-00001S02	20NUE-00001S03	Avg	Avg
Sulfur Dioxide	0,11		0,37	cm3/m3	0,11	0,17	0,45	0,24	0,24
Hydrogen Sulfide	0,071		0,360	cm3/m3	0,089	0,234	0,095	0,139	0,139
Chlorine	0,034		0,100	cm3/m3	0,056	0,099	0,078	0,078	0,078
Hydrochloric	0,066		0,330	cm3/m3					
Hydrofluoric	0,012		0,036	cm3/m3					
Messungsnummer					38724	38725	382726	153392	1533

*1) Option „Parameter“ needed

TestLab Plus 025

Time- and Ressource Planning

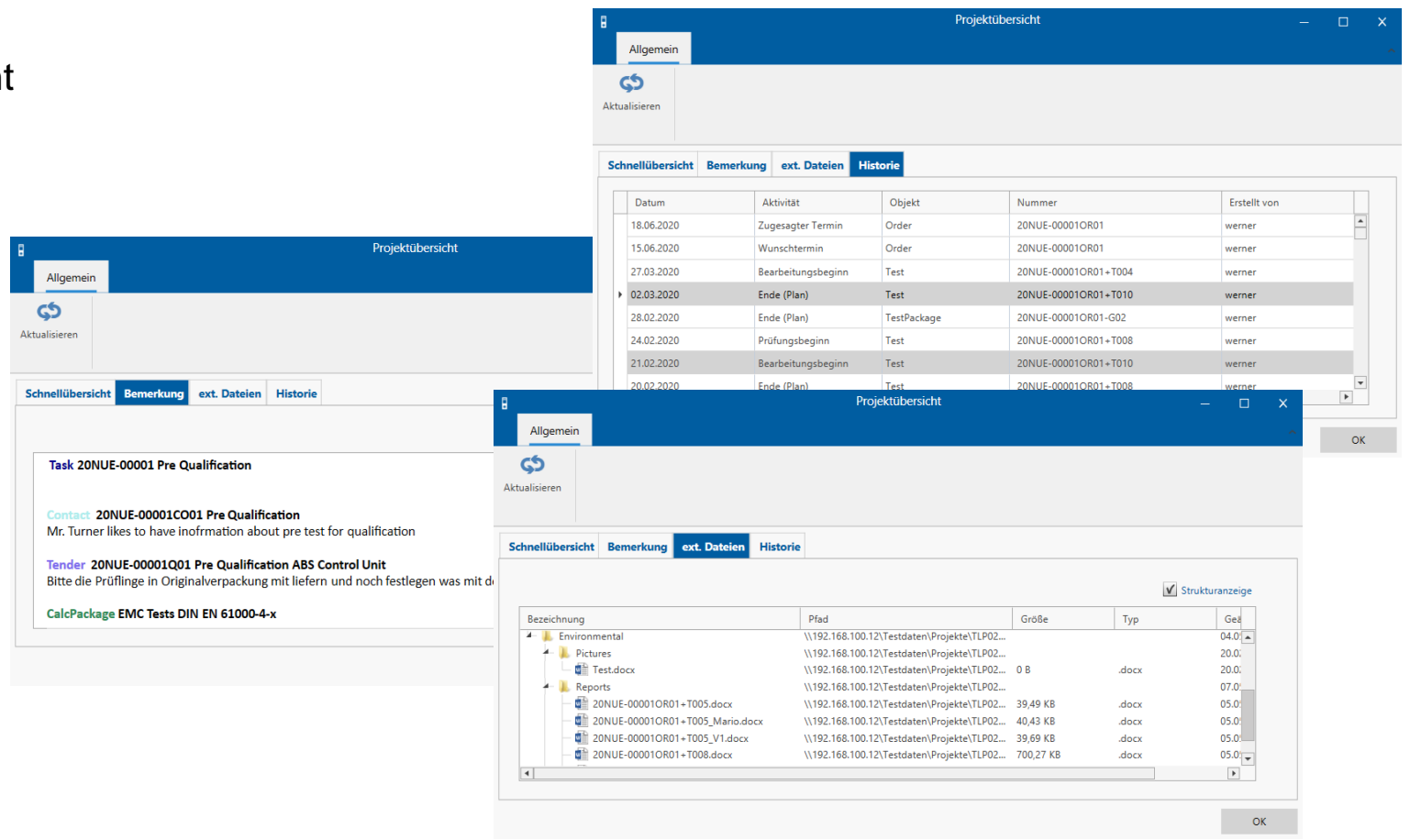
- Integrated time and resource planning module with graphical user interface
- Display of tests or reservations not only in order but already in planning/quoting phase with confirmed and planned dates
- Assign tests or calculations to resources (employees or equipment)
- Dynamic time scales (past, now, future)
- Individual grouping and selection levels (per order, per customer, per lab field, ...)
- Define and manage linked tests or work packages
- Filter, print and export functions
- Planning of stand by duties, holidays, reservations and common events
- Display of different planning accuracies



TestLab Plus 025

Project Overview

- Easy and quick overview about all relevant activities and data within a task or project
- Summary of all remarks independent where they have been entered
- Display of all a documents independent where they have been assigned
- Chronological list of all events and activities



Projektübersicht - Historie

Datum	Aktivität	Objekt	Nummer	Erstellt von
18.06.2020	Zugesagter Termin	Order	20NUE-00001OR01	werner
15.06.2020	Wunschtermin	Order	20NUE-00001OR01	werner
27.03.2020	Bearbeitungsbeginn	Test	20NUE-00001OR01+T004	werner
02.03.2020	Ende (Plan)	Test	20NUE-00001OR01+T010	werner
28.02.2020	Ende (Plan)	TestPackage	20NUE-00001OR01-G02	werner
24.02.2020	Prüfungsbeginn	Test	20NUE-00001OR01+T008	werner
21.02.2020	Bearbeitungsbeginn	Test	20NUE-00001OR01+T010	werner
20.02.2020	Ende (Plan)	Test	20NUE-00001OR01+T008	werner

Task 20NUE-00001 Pre Qualification

Contact 20NUE-00001CO01 Pre Qualification
Mr. Turner likes to have information about pre test for qualification

Tender 20NUE-00001Q01 Pre Qualification ABS Control Unit
Bitte die Prüflinge in Originalverpackung mit liefern und noch festlegen was mit d

CalcPackage EMC Tests DIN EN 61000-4-x

Strukturansicht

Bezeichnung	Pfad	Größe	Typ	Ge...
Environmental	\\192.168.100.12\Testdaten\Projekte\TLP02...			04.0...
Pictures	\\192.168.100.12\Testdaten\Projekte\TLP02...			20.0...
Test.docx	\\192.168.100.12\Testdaten\Projekte\TLP02...	0 B	.docx	20.0...
Reports	\\192.168.100.12\Testdaten\Projekte\TLP02...			07.0...
20NUE-00001OR01+T005.docx	\\192.168.100.12\Testdaten\Projekte\TLP02...	39,49 KB	.docx	05.0...
20NUE-00001OR01+T005_Mario.docx	\\192.168.100.12\Testdaten\Projekte\TLP02...	40,43 KB	.docx	05.0...
20NUE-00001OR01+T005_V1.docx	\\192.168.100.12\Testdaten\Projekte\TLP02...	39,69 KB	.docx	05.0...
20NUE-00001OR01+T008.docx	\\192.168.100.12\Testdaten\Projekte\TLP02...	700,27 KB	.docx	05.0...

TestLab Plus 025

Management of Measuring Equipment and Measuring Stands

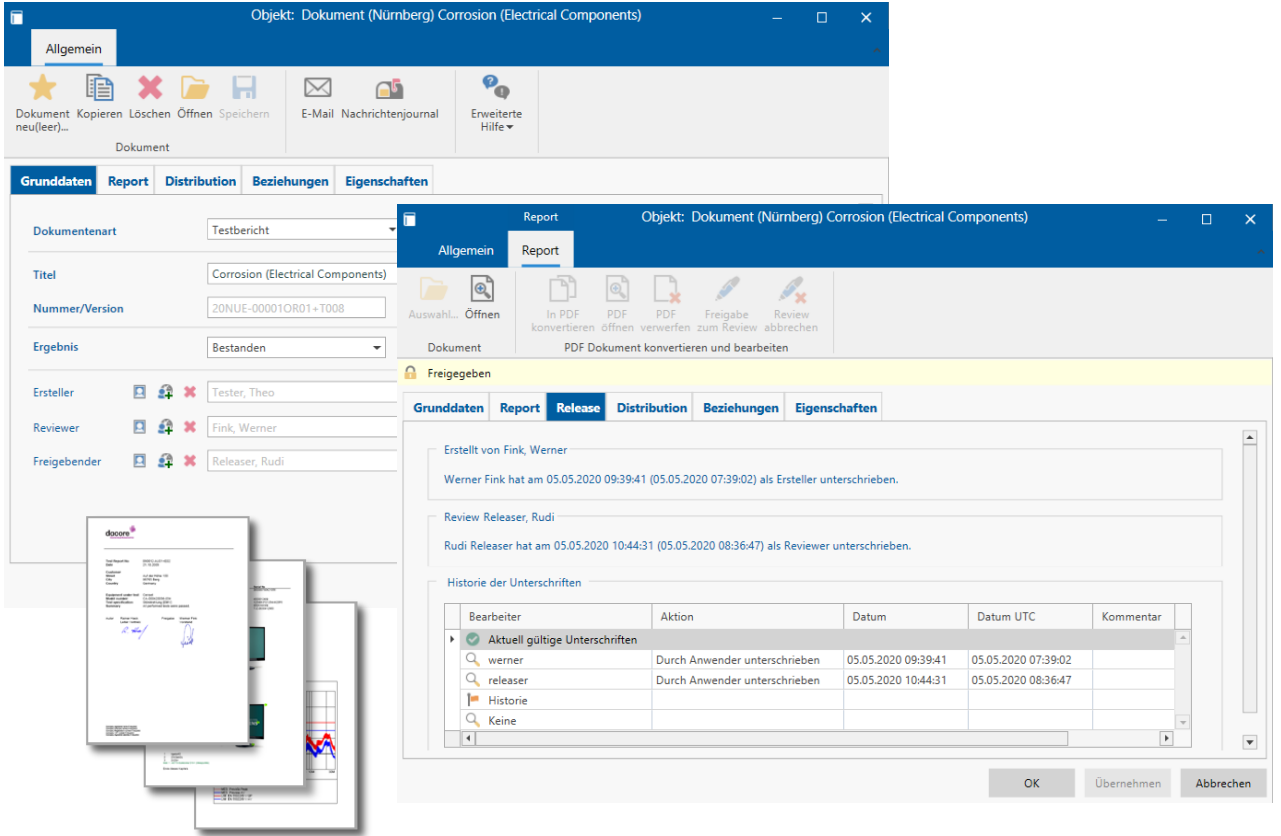
- Recording base data of measuring tools and equipments (technical data, commercial data, additional documents, ...)
- Assignment of responsibilities, persons and their skills and standards..
- Management of different calibration intervals or validations
- Management of all other dynamic tasks (e.g. maintenance, functional limitations, rentals, tests, ...)
- Integrated evaluation functions (which measuring tool has to be calibrated next month, ...)
- Management of measuring tool setups (work places, test stands) with e.g. calibrations on tool but also on group level.,
- Graphical display of relevant activities (calibration, rental, maintenance, ...)
- Full history function
- Automated messaging for upcoming e.g. calibrations.

	Datum	Validierung	Zyklus	Begründung	Geändert von
Änderung	31.05.2019	Kalibrierung	24 Monate	Hersteller Empfehlung	Werner Fink
Änderung	31.05.2019	Keine Überwachung			Werner Fink
	Datum	Nächste Messung	Status	Ergebnis	Geändert von
Kalibrierung	05.02.2020	05.02.2022	Kalibriert	IO - Innerhalb der Spezifikation	Werner Fink
Kalibrierung	30.07.2019	30.07.2021	Kalibriert	IO - Innerhalb der Spezifikation	Werner Fink
	Ausfall	Inbetriebnahme	Status	Einschränkung	Geändert von
Einschränkung	02.03.2020	02.03.2020	Freigegeben	Defekt	Werner Fink

TestLab Plus 025

Document Generation and Management

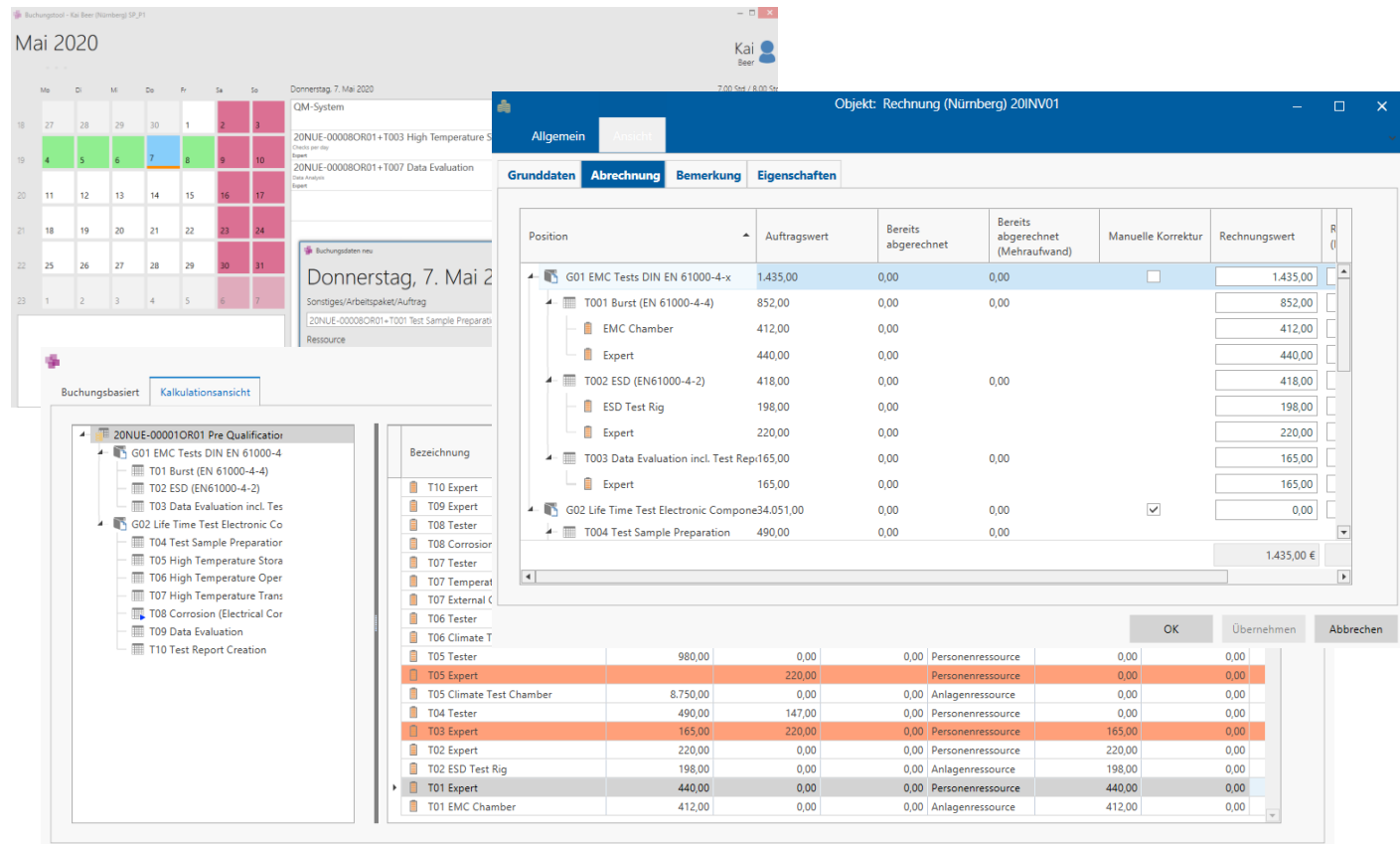
- Automatic or semi-automatic generation of test reports (all existing data can be used)
- Assignment of user measuring tools and peripheral components
- Assignment of all images and result protocols
- Integrated image processing functions to mark relevant areas
- Numbering system and version management
- Document review process with PDF conversion
- Release of test reports incl. work flow system with electronic signatures if needed
- Archive functions (mostly in database)
- Merge several single test reports to one comprehensive document also with electronic sign off and pdf-conversion



TestLab Plus 025

Expenditure Recording and Tracking

- Independent applications to record performed working hours and used resource hours (personal view, order view)
- Immediate overview your bookings
- Immediate check of planned and actual values (personnel hours, resource hours, revenue)
- Automatic alarm or notification system if actual values deviate from the planned values
- Common tasks can be selected as well
- Recording of external or additional costs or expenditures (e.g. invoices, travel expenses, ...) possible
- Interfaces to other ERP systems available (customer specific development)
- Creation of invoice documents with e.g. electronic sign off



The screenshot displays the TestLab Plus software interface. At the top left, a calendar for May 2020 is visible. The main window shows a detailed calculation view for a specific order (Objekt: Rechnung (Nürnberg) 20INV01). The interface is divided into several panes:

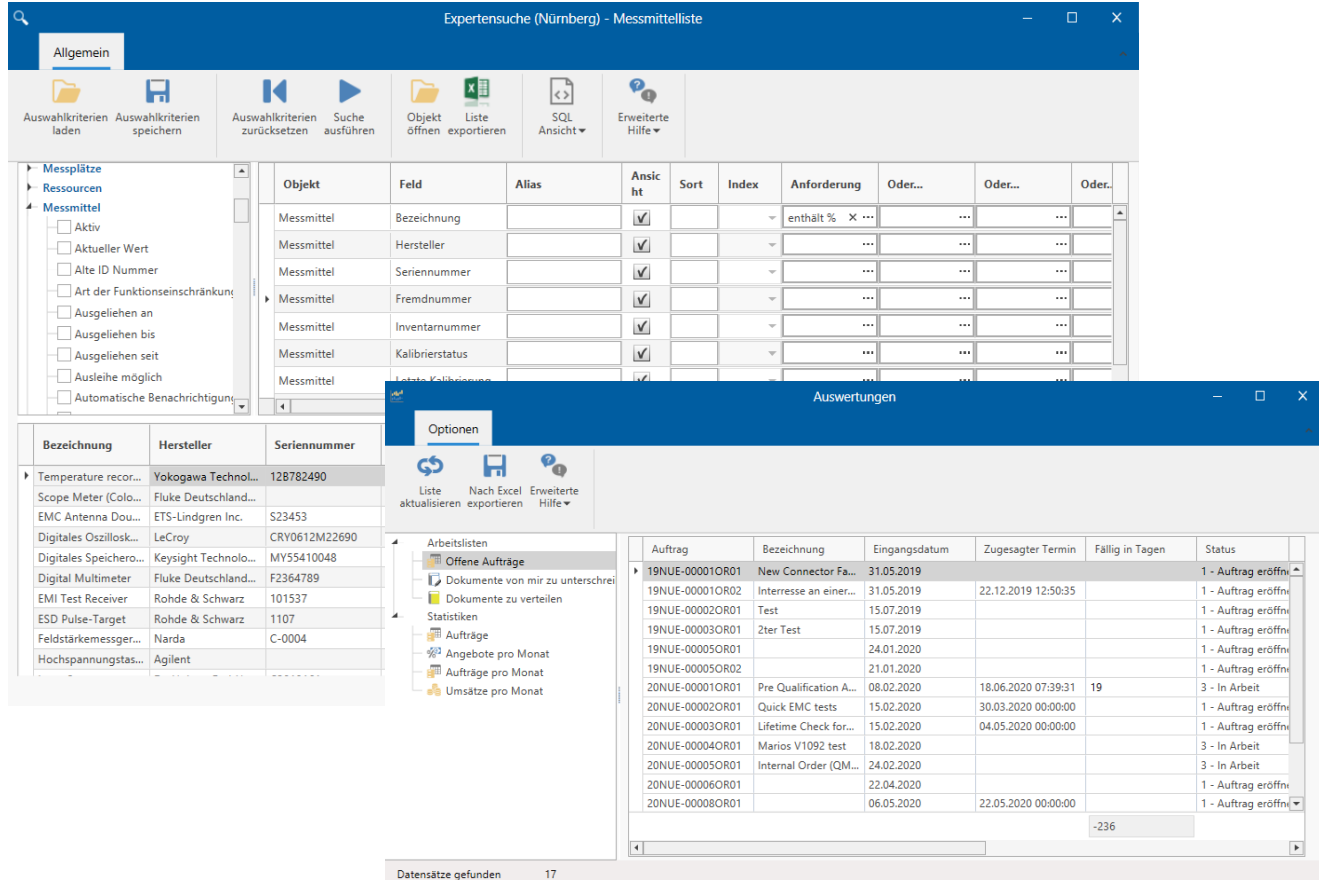
- Calendar:** Shows dates from May 1st to 31st, with some dates highlighted in green and red.
- Booking Overview:** A list of bookings with columns for date, description, and resource.
- Calculation View:** A table showing the breakdown of costs and resources for the order. It includes columns for Position, Auftragswert, Bereits abgerechnet, Bereits abgerechnet (Mehraufwand), Manuelle Korrektur, and Rechnungswert.
- Resource List:** A list of resources (e.g., T10 Expert, T09 Expert, T08 Tester) with their respective costs and resource types (Personenressource, Anlagenressource).

Position	Auftragswert	Bereits abgerechnet	Bereits abgerechnet (Mehraufwand)	Manuelle Korrektur	Rechnungswert
G01 EMC Tests DIN EN 61000-4-x	1.435,00	0,00	0,00	<input type="checkbox"/>	1.435,00
T001 Burst (EN 61000-4-4)	852,00	0,00	0,00	<input type="checkbox"/>	852,00
EMC Chamber	412,00	0,00	0,00	<input type="checkbox"/>	412,00
Expert	440,00	0,00	0,00	<input type="checkbox"/>	440,00
T002 ESD (EN61000-4-2)	418,00	0,00	0,00	<input type="checkbox"/>	418,00
ESD Test Rig	198,00	0,00	0,00	<input type="checkbox"/>	198,00
Expert	220,00	0,00	0,00	<input type="checkbox"/>	220,00
T003 Data Evaluation incl. Test Rep	165,00	0,00	0,00	<input type="checkbox"/>	165,00
Expert	165,00	0,00	0,00	<input type="checkbox"/>	165,00
G02 Life Time Test Electronic Compone	34.051,00	0,00	0,00	<input checked="" type="checkbox"/>	0,00
T004 Test Sample Preparation	490,00	0,00	0,00	<input type="checkbox"/>	490,00
Total	1.435,00	0,00	0,00		1.435,00 €

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Filter-, Evaluation and Query Functions

- Extensive query and evaluation functions for even complex researches.
- Oder overview (comparison of planned values with actual values)
- Hour and revenue evaluations
- Standardize monthly figures
- “What’s new” shows the actual activities
- Individual or system wide available filters
- Export of result lists to mainly MS-Excel but also MS-Word, MS-Access or HTML is possible.
- Script based export routines (can easily be adjusted)
- Objects can be opened wherever they are shown
- Several different search and report functions available



The screenshot displays the 'Expertensuche (Nürnberg) - Messmittelliste' application. The main window features a table with columns: 'Objekt', 'Feld', 'Alias', 'Ansiht', 'Sort', 'Index', 'Anforderung', 'Oder...', 'Oder...', and 'Oder...'. Below this is a table with columns: 'Bezeichnung', 'Hersteller', and 'Seriennummer'. An 'Auswertungen' window is overlaid, showing a table with columns: 'Auftrag', 'Bezeichnung', 'Eingangsdatum', 'Zugesagter Termin', 'Fällig in Tagen', and 'Status'. The status column shows values like '1 - Auftrag eröffn...' and '3 - In Arbeit'.

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Other Work Flows and Internal Messaging

- Integrated messaging system with different types of messages (information, task) from every object in the system.
- Knowing what has be done by whom and when
- Event or time triggered integrated messaging system
- Auto clean up of input box
- Object journal (message history)
- Personalize work lists
- Open object directly from message or work list
- Complete message history from sending to e.g. forwarding, and task acknowledgement.

The screenshot displays the 'Postfach (Nürnberg)' application window. The main area shows a list of messages with columns for 'Art', 'Von', 'Empfänger', 'Betreff', 'Basis', 'Datum', 'Zu lesen bis', and 'Gültig bis'. A dialog box titled 'Neue Nachricht senden (Nürnberg)' is open, showing fields for 'An', 'Betreff', 'Art', 'Lesen bis', 'Gültig bis', 'Text', and 'Basis'. The 'Text' field contains the message: 'Der Prüfling wir am Montag erwartet. Ein Kran ist nötig (5 t). Bitte vorbereiten.' The 'Basis' field contains '20NUE-00001OR01 Pre Qualification ABS Control Unit'.

Art	Von	Empfänger	Betreff	Basis	Datum	Zu lesen bis	Gültig bis
Nachricht	Werner Fink	Dietmar DemoUser!;...	Noch eine NACHricht	20NUE-00005OR01	30.03.2020 14:05		
Nachricht	Alfred Administrator	Kai Beer	Wird die angezeigt?	20NUE-00005OR01	30.03.2020 13:58		
Nachricht	Werner Fink	Werner Fink	Nachricht an mich selbst		09.03.2020 16:14		
Nachricht	Werner Fink						
Aufgabe	Werner Fink						

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Q-Activities (Improvements, Complaints and Ideas)

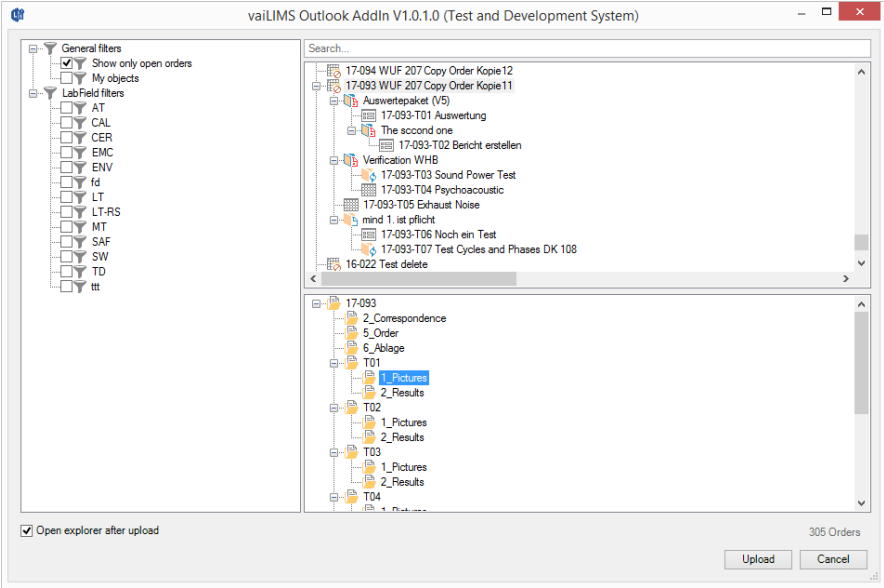
- Management of improvements, complaints, ideas or other kind o quality relevant activities
- Description of problem, goals, analysis results, solutions, alternatives, decisions, implementation actions incl. review of all activities
- Assignments to other objects as reason or impact
- Depending on phase of Q-activity different logs are possible or requested.
- Assignment of documents
- Electronic signatures for all relevant decisions
- Monitoring of implementation actions

The screenshot displays the 'Allgemein' (General) tab of a Q-activity record in the dacore system. The record title is 'Objekt: Q-Maßnahme (Nürnberg) 20-0001-V Vereinfachung bei Prüfablauf für Trockene Wärme'. The status is '5 - Entschieden' (Decided) and the priority is 'Mittel' (Medium). The decision maker is 'Meyer, Joachim' and the initiator is 'Fink, Werner'. The record is currently in the 'Lösungen' (Solutions) phase, with a sub-tab for 'Alternative Lösungen' (Alternative Solutions) open. This sub-tab contains a text area for entering alternative solutions, with prompts like 'Eine andere Möglichkeit wäre...', 'Die Chance ist...', and 'Das Risiko dabei ist...'. Below the text area, there are instructions for 'IV Lösungsalternativen entwerfen' (Designing IV solution alternatives) and a list of steps: 1. Lösungsideen und Alternativen suchen, 2. Realisierungsmöglichkeiten und Barrieren prüfen, and 3. Mögliche Auswirkungen ermitteln. The interface includes standard menu options like 'Neu', 'Löschen', 'Öffnen', 'Speichern', and 'Erweiterte Hilfe'.

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Outlook AddIn, SendTo Application

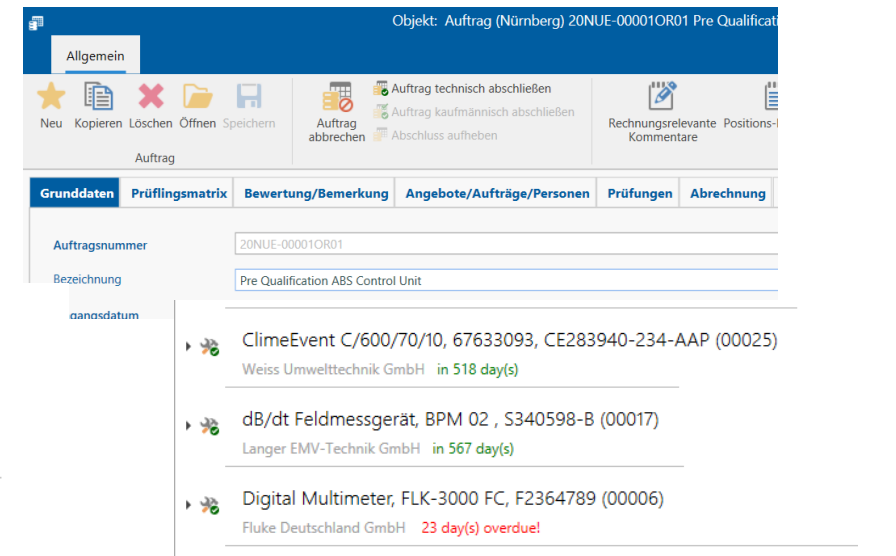
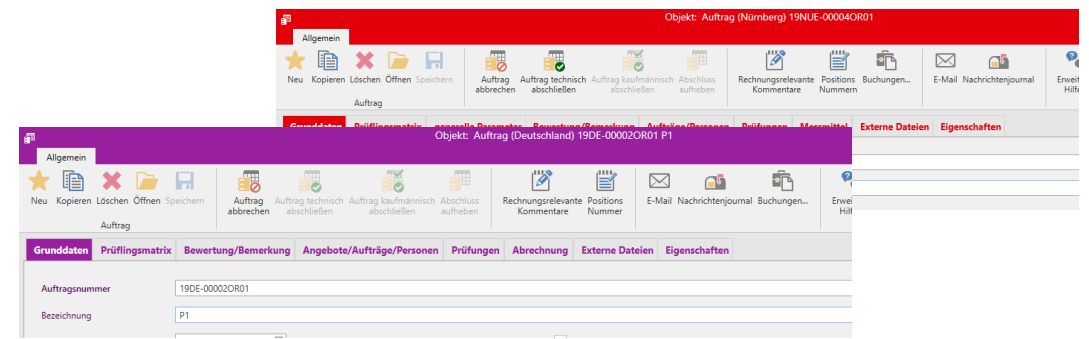
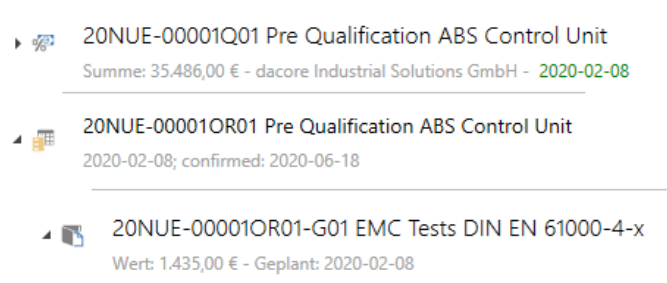
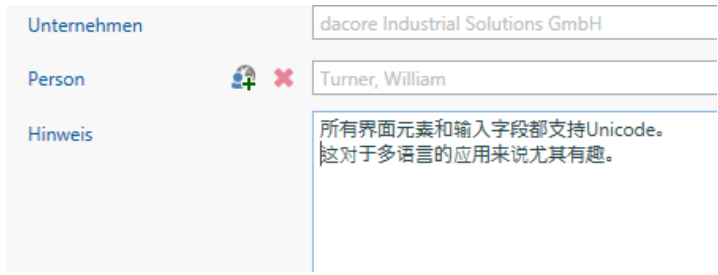
- Independent application as plug in
- E-Mails can be assigned directly in Microsoft Outlook to an order, to a test or a company
- Saving is done in Microsoft message format
- Attachments can be extracted and saved as files
- Save files directly in the Microsoft file explorer using the SendTo menu



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Additional Highlights

- Colors and color designs are configurable
- GUI design can be changed (Colorful, Dark Grey, etc.)
- Zoom in an zoom out functions not depending on windows resoulutions
- Supports Unicode
- Titles and details to be shown main navigation or tree view is configurable
- User specific set up and views can be defined
- Safes user settings when leaving and reopens with same settings
- Complete change management history is stored



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Additional Options Starter Package

- Parameters for detailed and searchable test conditions, test results. This includes all main statistical functions as e.g. mean, median, standard deviation,)
- Multi-lingual user interface where English and German are available and other languages can be added. (uni code for e.g. Chinese is supported)
- Multi-domain application (several independent labs can have independent areas within one server and one system)
- Web Portal for customers to request tests, to monitor progress and to derive test reports
- Business Score Cards as web application
- Mobile Apps supporting bar code features (samples, measurement tools, tests, storage functions, start test, finish test, logs, ...)
- Interfaces to measurement tools (EMC32, BAT EMC, SIMpati, W&T, Leonardo, ...)
- Interfaces to ERP Systems (SAP, MS-dynamics, Navision, Lexware, ...)
- and many, many more.

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Additional QM related Modules available (optional)

- Integrated electronic QM-Handbook and QM-System
- Risk Analysis for tasks, orders but also many other kind of LMS-objects or activities
- Competence- and Training Matrix
- Supplier Evaluations
- Customer Surveys and Customer Satisfaction
- Controlled Documents and Document Management
- Functions related to GDPR (DS-GVO)

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Typical IT-Environment

Server

- Microsoft Windows Server
- Microsoft SQL Server as Data Base
- Microsoft Internet Information Server (for Customer Web Application)

Clients

- Microsoft Windows 8.1 or Windows 10
- Microsoft Office 2013, 2016, 365 (local)
- Internet Browser (for Customer Web Application)
- Windows, Android or iOS operating systems for mobile apps

Alternative Installations are possible

- Terminal Server (e.g. Microsoft Windows or Citrix)
- Clouds (e.g. MS-Azure cloud)

We adapt the system to other IT environments where needed as e.g. Oracle but recommend above mentioned settings

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How to proceed?

The starter Package is the starting point to build your individual and customized Lab Management System (LMS)

- 25 years of experiences in technical physical labs are part of the starter package and the various solutions we have developed already
- Development based on an agile development pocess to consider your feedback and needs (we have been namoing this „Rapid Prototyping“ for more than 25 years now.
- One project one price. No licencees and no obligations for additional maintenance or update packages
- Several different types of trainings are available including of course admin training
- We support not only the technical development but also and on demand the implementation and related project management
- Start now with a 2-day work shop (or online conferences) to compare your needs the functions the starter package provides and to identify the Delta according to your requirements.
- Contact us to get this process going.



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