Highend Industrial ERP

The complete solution for mid-sized manufacturing companies

VERSION 16



TimeLine®

timeline-erp.com

RECOGNITIONS

Leading the industry for years





































Greetings,

As one of the leading ERP providers for the industrial mid-market, TimeLine ERP stands for innovation, efficiency, and forward-looking technology.

What sets us apart is this: within a single system, we offer a breadth of functionality that typically can only be achieved by combining multiple systems. Our unique combination of an ERP platform and an integrated development environment enables functional customizations with minimal effort, providing a decisive competitive advantage for your company.

From inventory management and production planning to quality management, all modules work seamlessly together and can be flexibly extended. Our integrated development platform and migration tools ensure that individual customizations are automatically retained even during version upgrades.

By leveraging modern technologies such as AI-driven process automation and innovative workflow systems, we enhance the efficiency of your business processes. At the same time, we focus on personal partnership: dedicated teams and a service hotline staffed by experienced project managers support you on your path to digital transformation. Together, we are shaping the future of enterprise management.

With innovative regards,

Yours sincerely,

Boris Gebauer
(CEO Gebauer GmbH, TimeLine ERP Licensee, Head of Development)

RANGE OF CAPABILITIES

TimeLine brings more together

With its broad functional scope, TimeLine ERP is arguably the best-integrated ERP solution for mid-sized companies, delivering within a single system what previously required the complex combination of multiple tools. The result is maximum efficiency for your processes.



Customer Relationship Management

12 Retain a complete overview at all times: A centralized data management, a fully integrated email client and calendar, intelligent document management, and a mobile CRM solution.

Sales

19 TimeLine ERP provides all the tools required for professional sales operations, from quotation creation through to electronic invoicing.

Purchasing and Procurement

22 TimeLine ERP supports you with a well-designed procurement management system that takes all critical factors into account: schedules, quantities, quality, and costs.

Inventory Management

25 TimeLine offers a fully integrated inventory management solution tailored to manufacturing companies, covering all requirements.

27 **Requirements planning**
28 **Inventory and warehouse organization**
35 **Logistics and shipping**
37 **HTML warehouse scanner**

Production and Planning

39 From rough planning to detailed shop-floor control, the system supports you in using your production capacities efficiently.

40 **Material requirements planning**
42 **Electronic data interchange (EDI)**
44 **Production planning**
50 **Tool management and toolmaking**

Data Capture

52 Personnel time recording (PZE), production data capture (BDE), machine data capture (MDE), and quality data capture (QDE) combined in a single system.

External Manufacturing

56 TimeLine ERP provides an end-to-end solution that seamlessly integrates all extended workbench processes into your company.

Projects and Project Management

58 From purchasing and sales documents to production orders and customer communication, all project-relevant information is consolidated within a central structure.

Quality Management

60 TimeLine is one of the few ERP systems that integrates all relevant quality management functions directly within the ERP system.

CAD Integration

67 TimeLine offers a solution specifically developed for single-item and project-based manufacturers, seamlessly integrating the CAD environment into the ERP system.

70 **Product data management**

Business Intelligence

71 With the dashboard system and additional powerful tools, you gain exactly the transparency required for strategic business decisions.

Office Functions

76 With the integrated document management system, email system, as well as calendar and task management, TimeLine covers all office-related functions within the ERP system.

77 **Document management**
80 **Tokenizer**
81 **E-Mail**
83 **Calendar**
85 **Workflows**
87 **Personnel deployment planning**

Financial Accounting

88 TimeLine integrates certified financial accounting. In addition, an EBICS interface as well as export options for Lexware and DATEV are available.

TIMELINE BUSINESS SOLUTIONS GROUP

Our Mission for the Mid-Market

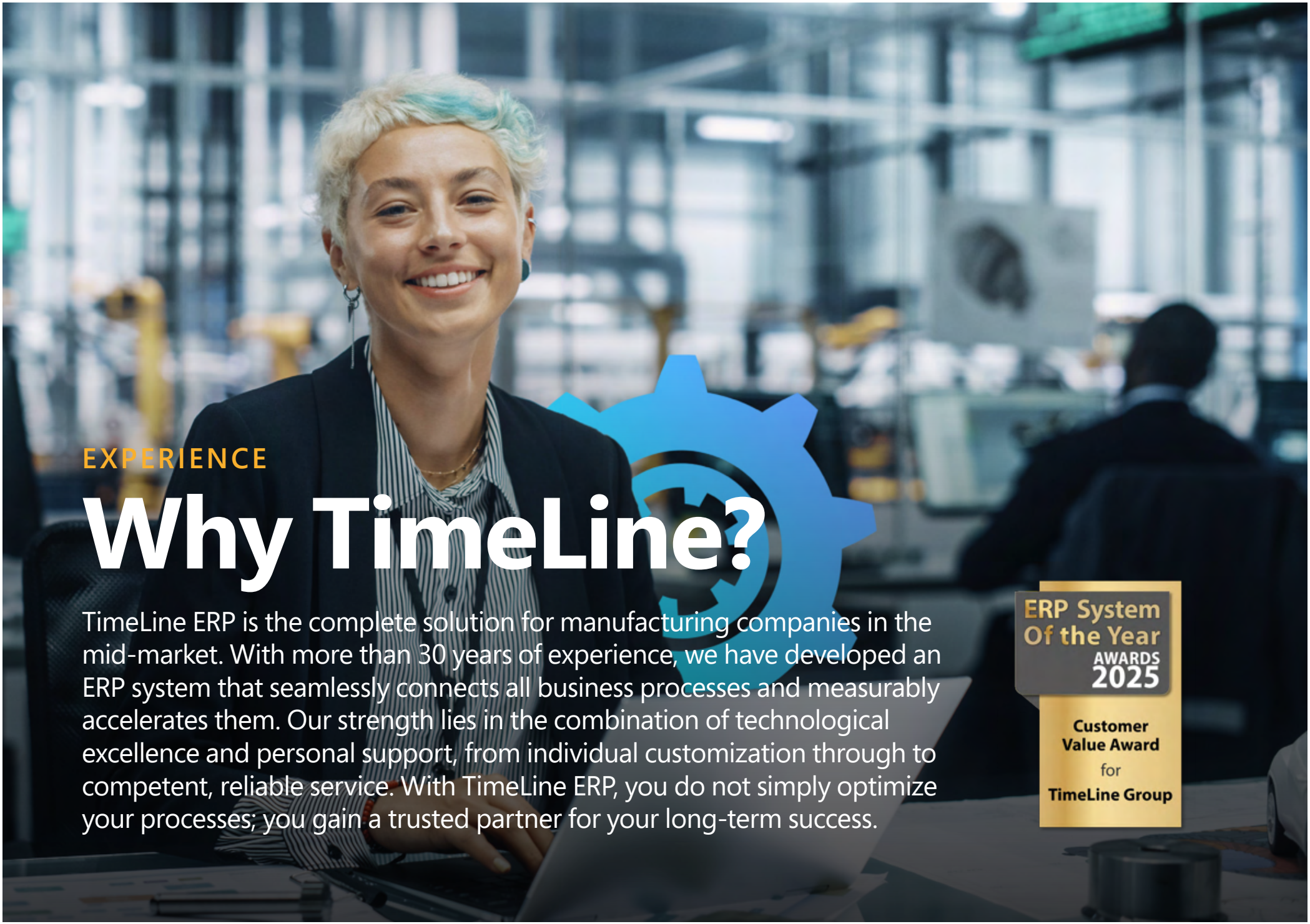
Cutting-edge technology does not have to be the privilege of large enterprises. We combine high-end functionality with practical, real-world solutions at fair terms tailored specifically to the needs of mid-sized companies.



The TimeLineGroup

Sixteen companies, along with a network of partners, operate from locations in Germany, Switzerland, France, Poland, Slovakia, Romania, Bulgaria, India, and the Netherlands. Together, around 220 employees support more than 1,300 customers with over 25,000 installations worldwide.


POLAND
NETHERLANDS
GERMANY
SLOVAKIA
ROMANIA
RANCE
SWITZERLAND
BULGARIA


EXPERIENCE
Why TimeLine?
TimeLine ERP is the complete solution for manufacturing companies in the mid-market. With more than 30 years of experience, we have developed an ERP system that seamlessly connects all business processes and measurably accelerates them. Our strength lies in the combination of technological excellence and personal support, from individual customization through to competent, reliable service. With TimeLine ERP, you do not simply optimize your processes; you gain a trusted partner for your long-term success.
ERP System Of the Year AWARDS 2025
Customer Value Award
for
TimeLine Group

PARTNERSHIP-DRIVEN

The customer always in focus

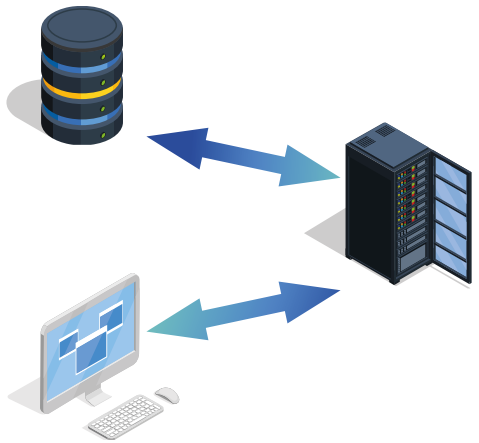
Personal support

Continuous consulting by a dedicated project team who also acts as experienced developers and support specialists ensures short decision-making paths and fast, effective solutions. Our service hotline is not staffed by call-center agents, but by project managers with direct development expertise. This unique combination enables us not only to understand your requirements, but to implement them immediately.



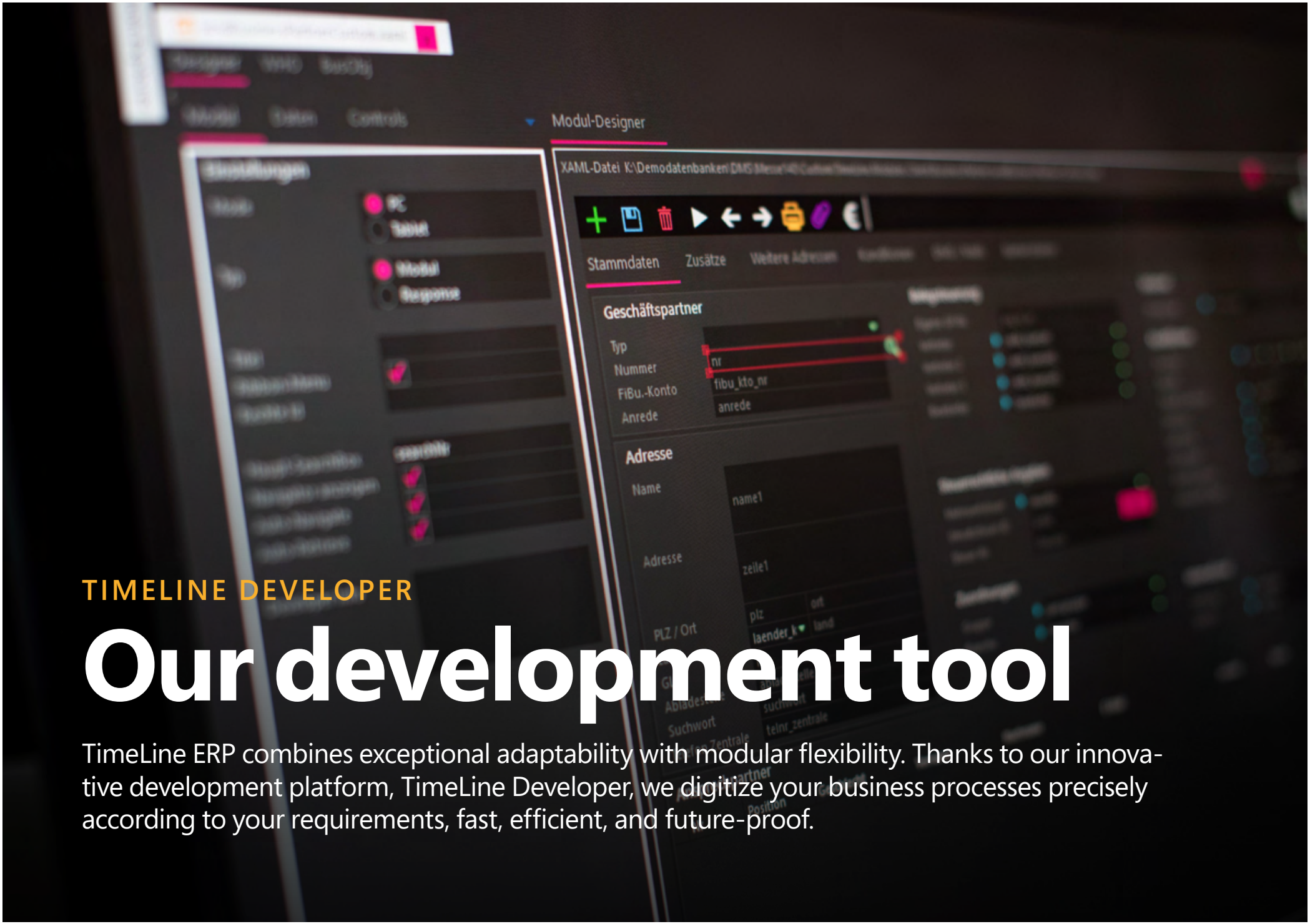
Mobile working

The modern three-tier architecture, with the TimeLine Server as intelligent middleware, enables secure and encrypted access to your TimeLine database, whether from the home office, the office, or on site with customers. Without additional VPN tunnels or terminal servers, the TimeLine Server centrally and efficiently manages external access, tenants, and licenses. This guarantees maximum flexibility and location independence with the highest level of security.



Flexible hosting options

You retain full data sovereignty: operate TimeLine ERP either as a classic on-premise installation on your own hardware or take advantage of cloud hosting.
The choice is yours. We support both options with the highest security standards.



TIMELINE DEVELOPER

Our development tool

TimeLine ERP combines exceptional adaptability with modular flexibility. Thanks to our innovative development platform, TimeLine Developer, we digitize your business processes precisely according to your requirements, fast, efficient, and future-proof.

CUSTOMIZING

A tailored suit, not a straitjacket

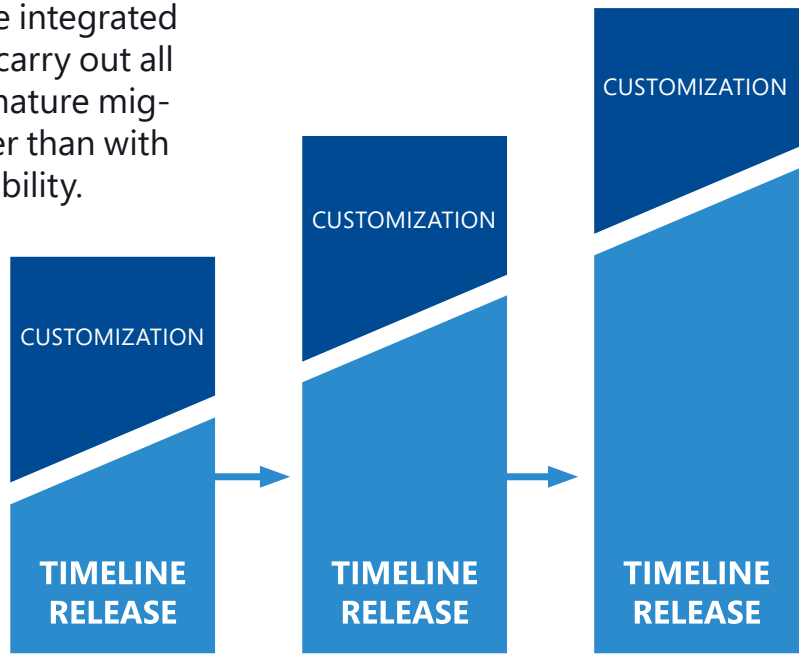
With TimeLine ERP, you receive a system that adapts perfectly to your business processes, not the other way around. The unique TimeLine Developer platform enables fast, sustainable customizations while fully preserving release compatibility, while the modular concept provides maximum flexibility to support your company's growth.

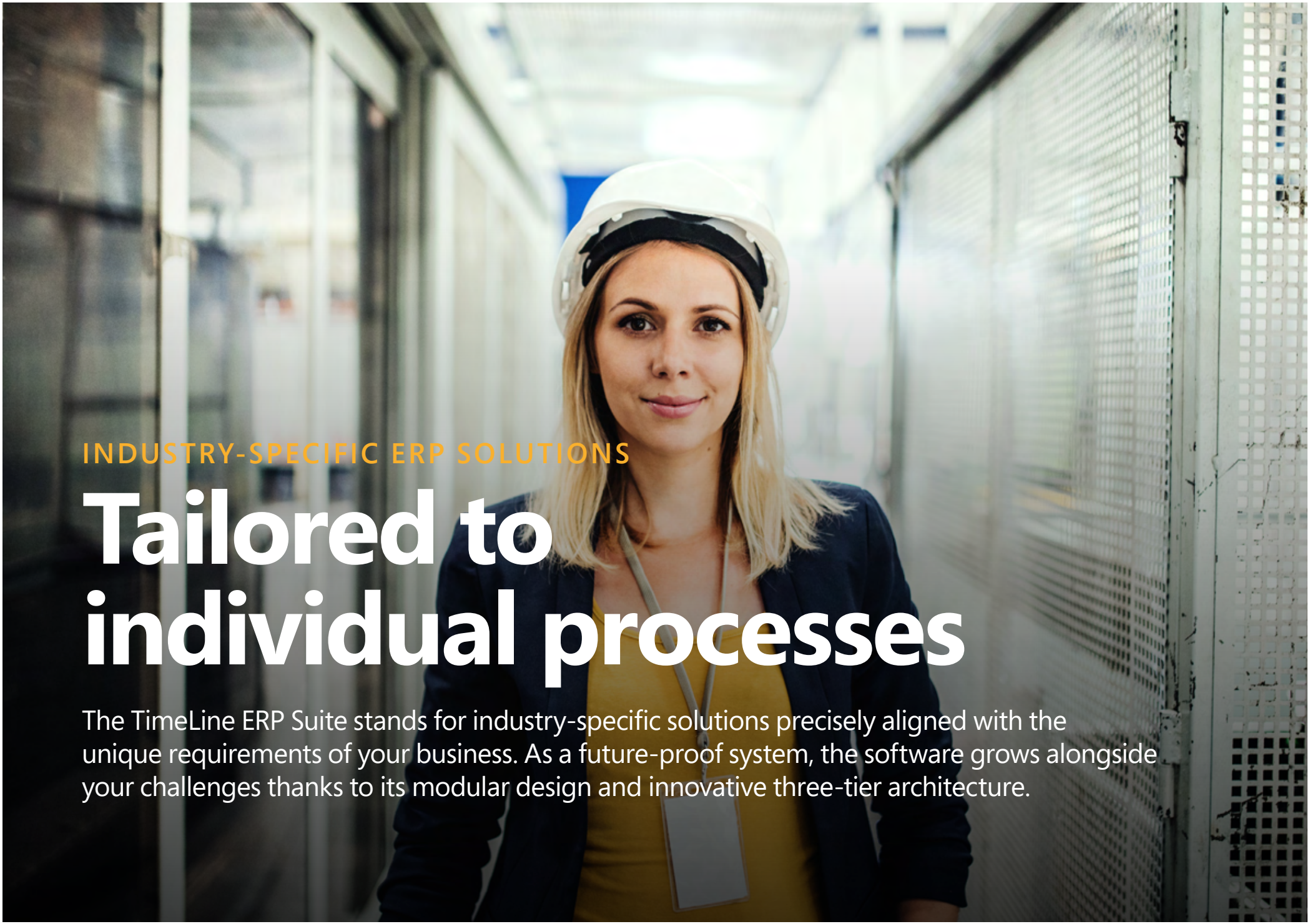
Efficient adaptability

TimeLine Developer and the TimeLine Framework form a powerful customizing platform that fundamentally redefines system adaptation. Within the integrated development environment, project managers and IT administrators carry out all individual customizations directly inside the ERP system. Thanks to mature migration tools, adaptations can be implemented up to three times faster than with comparable systems, while consistently maintaining full release capability.

Future-proof modularity

The well-conceived modular architecture allows the system to grow flexibly alongside your requirements. New modules can be seamlessly integrated at any time. Individual customizations are intelligently isolated and automatically migrated during updates, minimizing downtime and protecting your investment over the long term.





INDUSTRY-SPECIFIC ERP SOLUTIONS

Tailored to individual processes

The TimeLine ERP Suite stands for industry-specific solutions precisely aligned with the unique requirements of your business. As a future-proof system, the software grows alongside your challenges thanks to its modular design and innovative three-tier architecture.

TIMELINE ENGINEERING

Single-item and project manufacturing

TimeLine ENGINEERING combines ERP, CAD, and PDM within a single integrated system. The solution seamlessly connects engineering, purchasing, and project management. It offers specialized functions for project-based manufacturing alongside comprehensive ERP and PPS standard functions to ensure efficient processes.

TIMELINE ELECTRONICS

Electronics manufacturing and EMS providers

TimeLine ELECTRONICS is the industry-specific ERP solution for electronic manufacturing and Electronic Manufacturing Services (EMS). The software covers all key processes, from component procurement to final assembly. Integrated MES and production data capture functions ensure full control over manufacturing.

TIMELINE AUTOMOTIVE

Automotive and series production

TimeLine AUTOMOTIVE is the specialized ERP solution for automotive suppliers and series manufacturers. Developed in close collaboration with users, it delivers precisely tailored functions that can be flexibly adapted to individual requirements.

TIMELINE PLASTICS

Plastics processing

TimeLine PLASTICS supports plastics processing companies in their digital transformation with industry-specific functions. The combination of standard software and specialized modules optimizes processes and adapts flexibly to new requirements.

TIMELINE FOUNDRY

Foundries

TimeLine FOUNDRY provides an end-to-end ERP solution for foundries, from production planning and mold making through to costing. All commercial and production-relevant processes are mapped within a single system, without interfaces.

TIMELINE SURFACE

Surface finishing and electroplating

TimeLine SURFACE is the ERP solution for contract manufacturing. It offers industry-specific functions such as rack management, document processing, and defect recording, along with optimized production planning and costing.



CUSTOMER RELATIONSHIP MANAGEMENT

Managing customer relationships professionally

The integrated Customer Relationship Management (CRM) system makes your customer relationships transparent and efficient. With centralized data management, a fully integrated email client and calendar, intelligent document management, and a mobile CRM solution, you retain a complete overview, from the first point of contact through to long-term customer retention.

INTEGRATED CRM SYSTEM

End-to-end process control

Manage your entire sales process efficiently within a single system, from the initial customer inquiry through to the final quotation. The intelligent linkage of all activities enables a seamless transition from inquiries to calculations and quotations. Automated follow-ups and instant telephone lookups ensure you retain full visibility of all customer interactions at all times.

Central customer management

Manage all customer data centrally and in a structured manner. The system allows you to maintain any number of addresses and contacts, including all relevant contact details. Workflow-supported follow-ups and integrated opportunity management assist you in delivering systematic and consistent customer care.

Telephony integration

The full integration of your telephone system enables automatic caller identification with direct access to customer information, as well as convenient click-to-dial functionality.

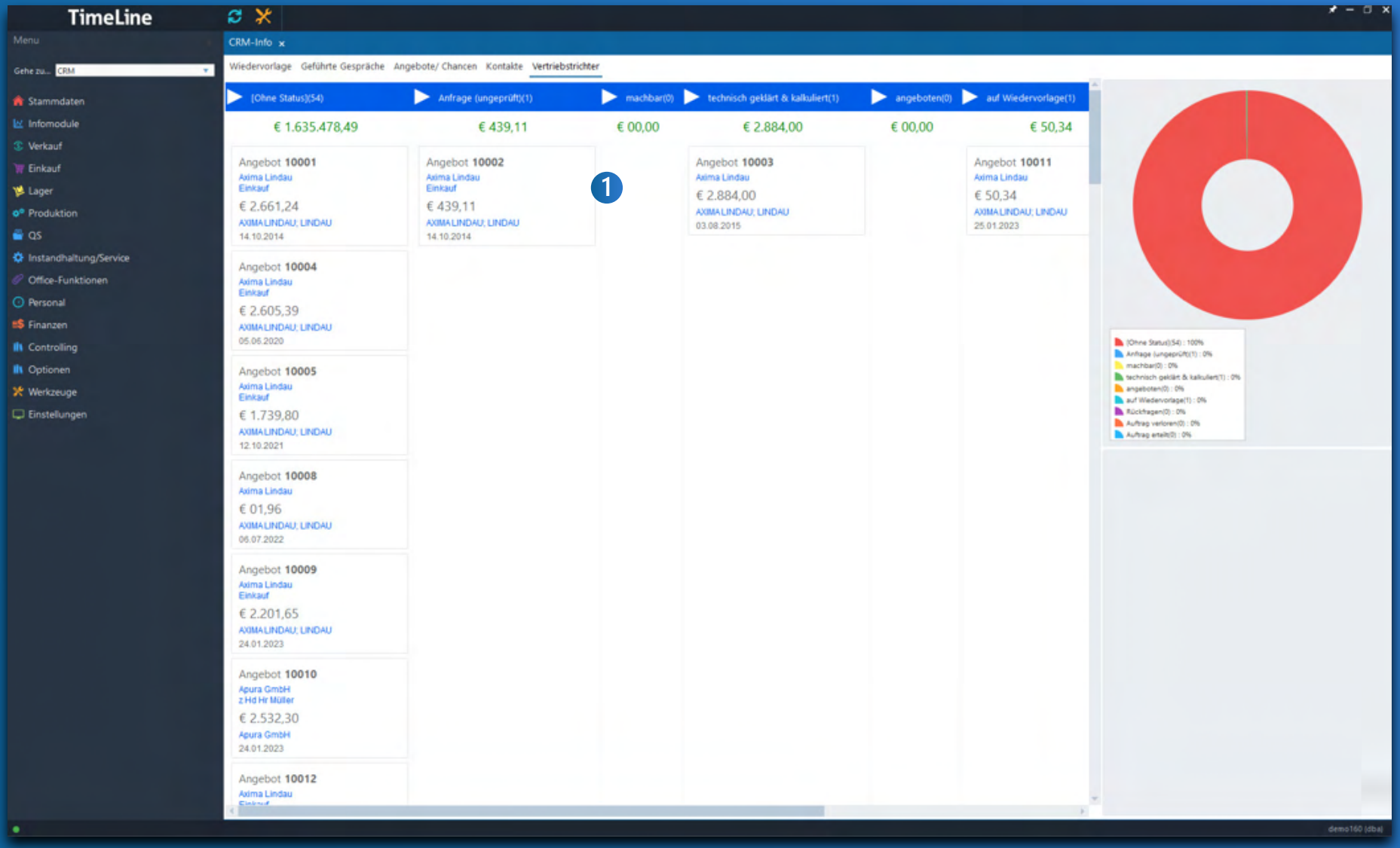
Professional communication management

Email and documents

- ✓ Direct email sending from customer records and documents
- ✓ Automatic email archiving via IMAP/SMTP
- ✓ Microsoft Exchange Server
- ✓ Professional campaign management for mailing campaigns
- ✓ Integrated rich-text editor for direct quotation creation

Calendar and tasks

- ✓ Bidirectional calendar synchronization via CalDAV
- ✓ Flexible task management for projects and APQP


TimeLine
Menu
Gehe zu... CRM
Stammdaten
Infomodule
Verkauf
Einkauf
Lager
Produktion
QS
Instandhaltung/Service
Office-Funktionen
Personal
Finanzen
Controlling
Optionen
Werkzeuge
Einstellungen
CRM-Info
Wiedervorlage
Geführte Gespräche
Angebote/ Chancen
Kontakte
Vertriebstrichter
[Ohne Status](54)
Anfrage (ungeprüft)(1)
machbar(0)
technisch geklärt & kalkuliert(1)
angeboten(0)
auf Wiedervorlage(1)
€ 1.635.478,49
€ 439,11
€ 00,00
€ 2.884,00
€ 00,00
€ 50,34
Angebot 10001
Axima Lindau
Einkauf
€ 2.661,24
AXIMA LINDAU; LINDAU
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Angebot 10002
Axima Lindau
Einkauf
€ 439,11
AXIMA LINDAU; LINDAU
14.10.2014
1
Angebot 10003
Axima Lindau
€ 2.884,00
AXIMA LINDAU; LINDAU
03.08.2015
Angebot 10011
Axima Lindau
€ 50,34
AXIMA LINDAU; LINDAU
25.01.2023
Angebot 10004
Axima Lindau
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AXIMA LINDAU; LINDAU
05.06.2020
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Axima Lindau
Einkauf
€ 1.739,80
AXIMA LINDAU; LINDAU
12.10.2021
Angebot 10008
Axima Lindau
€ 01,96
AXIMA LINDAU; LINDAU
06.07.2022
Angebot 10009
Axima Lindau
Einkauf
€ 2.201,65
AXIMA LINDAU; LINDAU
24.01.2023
Angebot 10010
Apura GmbH
z Hd Hr Müller
€ 2.532,30
Apura GmbH
24.01.2023
Angebot 10012
Axima Lindau
[Ohne Status](54) : 100%
Anfrage (ungeprüft)(1) : 0%
machbar(0) : 0%
technisch geklärt & kalkuliert(1) : 0%
angeboten(0) : 0%
auf Wiedervorlage(1) : 0%
Rückfragen(0) : 0%
Auftrag verloren(0) : 0%
Auftrag erteilt(0) : 0%
demo160 (dba)

1 Sales funnel

The graphical sales funnel in the CRM module gives you a clear and comprehensive overview of your sales pipeline. In the intuitive Kanban view, you can see at a glance which stage your quotations are in, from the initial inquiry through to successful completion.

Particularly convenient: quotations can be moved effortlessly from one sales phase to the next using drag and drop.

Central information platform

Access all customer-relevant information in a clearly structured central hub:

- Complete correspondence and email communication
- Contact notes and follow-up appointments
- Internal documents and DMS files
- Addresses and pricing conditions
- Customer history and statistics
- Open items and delivery backlogs
- Revenue overviews



«VOI CERT»

VOI Service GmbH | Zertifizierungsstelle VOI-CERT
Postfach 140 231 | 53057 Bonn
www.voi.de

Auditbericht: VCC-11-24-102
Zertifikats-ID: ZVCC-11-24-102
Gültig bis: 22. Oktober 2027

ZERTIFIKAT

Die Zertifizierungsstelle der VOI Service GmbH bescheinigt hiermit dem Unternehmen

Gebauer GmbH
Obere Dammstraße 8-10 | 42653 Solingen
Deutschland

für die Lösung

„TimeLine ERP", Version 15

die Erfüllung aller anwendbaren Anforderungen nach dem VOI-Zertifizierungsprogramm „PK-DML ready" auf Basis der Prüfkriterien für digitale Dokumenten-Management-Prozesse und verbundene IT-Lösungen (PK-DML, 5. Auflage 2019, in Zusammenarbeit des VOI – Verband Organisations- und Informationssysteme e.V. und der TÜViT Informationstechnik GmbH, TÜV NORD GROUP).

Der Nachweis wurde durch das Prüfverfahren mit der Nummer VCC-11-24-102 erbracht. Das Gütezeichen VOI Compliance Certificate (VCC) „Geprüfte Sicherheit" wurde erteilt.

Das auditierte Produkt ermöglicht ein revisionssicheres Compliance-Management digitaler Dokumente.

VOI Service GmbH | Zertifizierungsstelle
Bonn, 22. Oktober 2024

Peter J. Schmerler
Geschäftsführer | Managing Director

CERT
PK-DML ready
«VOI»
10 / 2027
Compliance Certificate
„TimeLine ERP", Version 15

Zertifikat

Anforderungen im Zertifizierungsprogramm VOI „PK-DML ready"

MOBILE CRM

For maximum flexibility

Stay fully connected while on the move with the mobile CRM solution. The smartphone-optimized HTML application provides the full range of functionality for professional customer management, anytime and anywhere.

Comprehensive mobility

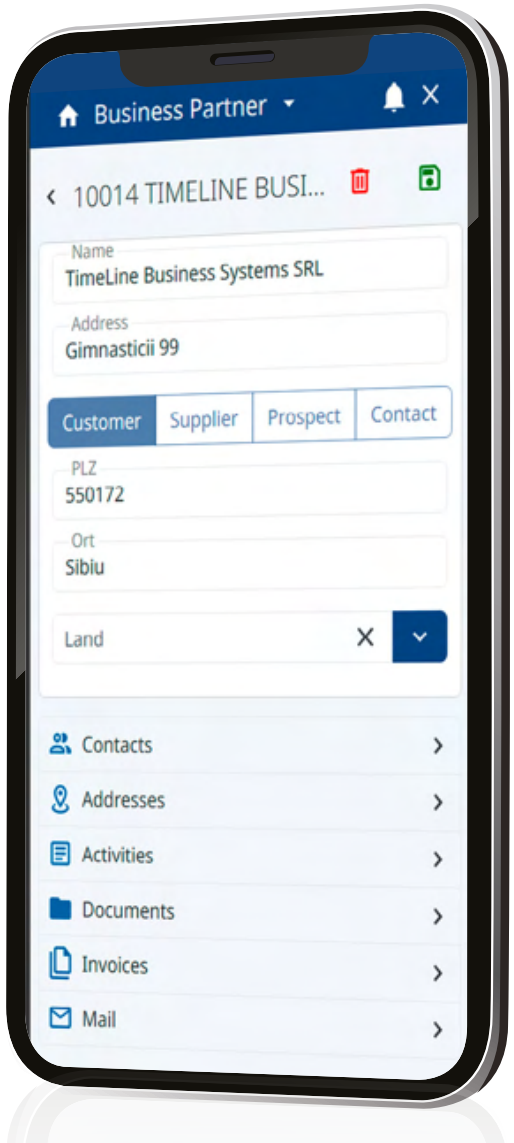
- Full access to calendar and digital address book
- Mobile capture of conversation notes and project time tracking
- Flexible task management and feedback
- Convenient time recording with clock-in and clock-out entries

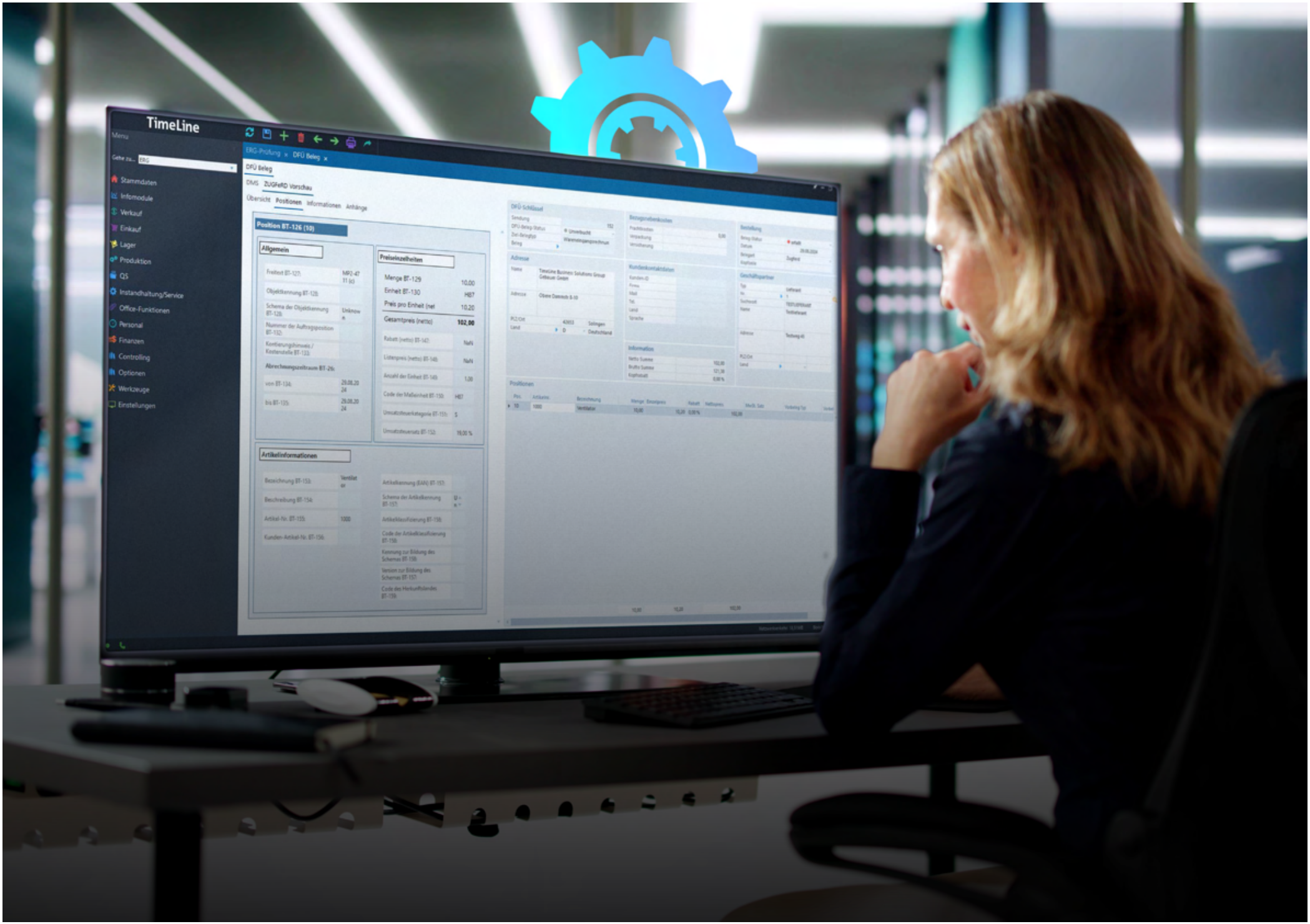
Efficient contact management

Mobile contact management gives you a complete overview of customers and contacts. All relevant information is immediately available, enabling efficient and professional customer support even when working remotely.

Mobile document management

Access all important documents in the DMS while on the move. The clearly structured document management allows fast access to all relevant business documents, making it ideal for mobile sales activities.




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Werkzeuge
Einstellungen
DFÜ Beleg
Übersicht
Positionen
Informationen
Anhänge
Position BT-126 (10)
Allgemein
Preiseinzelheiten
Menge BT-129
Einheit BT-130
Preis pro Einheit (net
Gesamtpreis (netto)
Artikelinformationen

Comprehensive document management

The system supports you in creating all relevant sales documents, including quotations, order confirmations, partial and collective delivery notes, as well as various invoice types such as pro forma, partial, and advance invoices. Version 16 additionally introduces clearly structured group totals within documents, a particularly valuable feature for project-based manufacturers with complex quotations.

Digital invoice formats

TimeLine ERP is ready for the digital future. The system provides advanced options for exporting invoices in accordance with the latest electronic invoicing standards. With support for ZUGFeRD 2.2 as well as the XRechnung Extended and Comfort formats, invoices can be exported efficiently and in full compliance.
These standards ensure interoperability and the smooth processing of business transactions with partners and customers.

Flexible contract design

With sales contracts and delivery schedules, you can manage long-term customer relationships professionally. The new graphical progress indicator visualizes time and quantity progress and provides full transparency on the status of your agreements at all times.

Intelligent price management

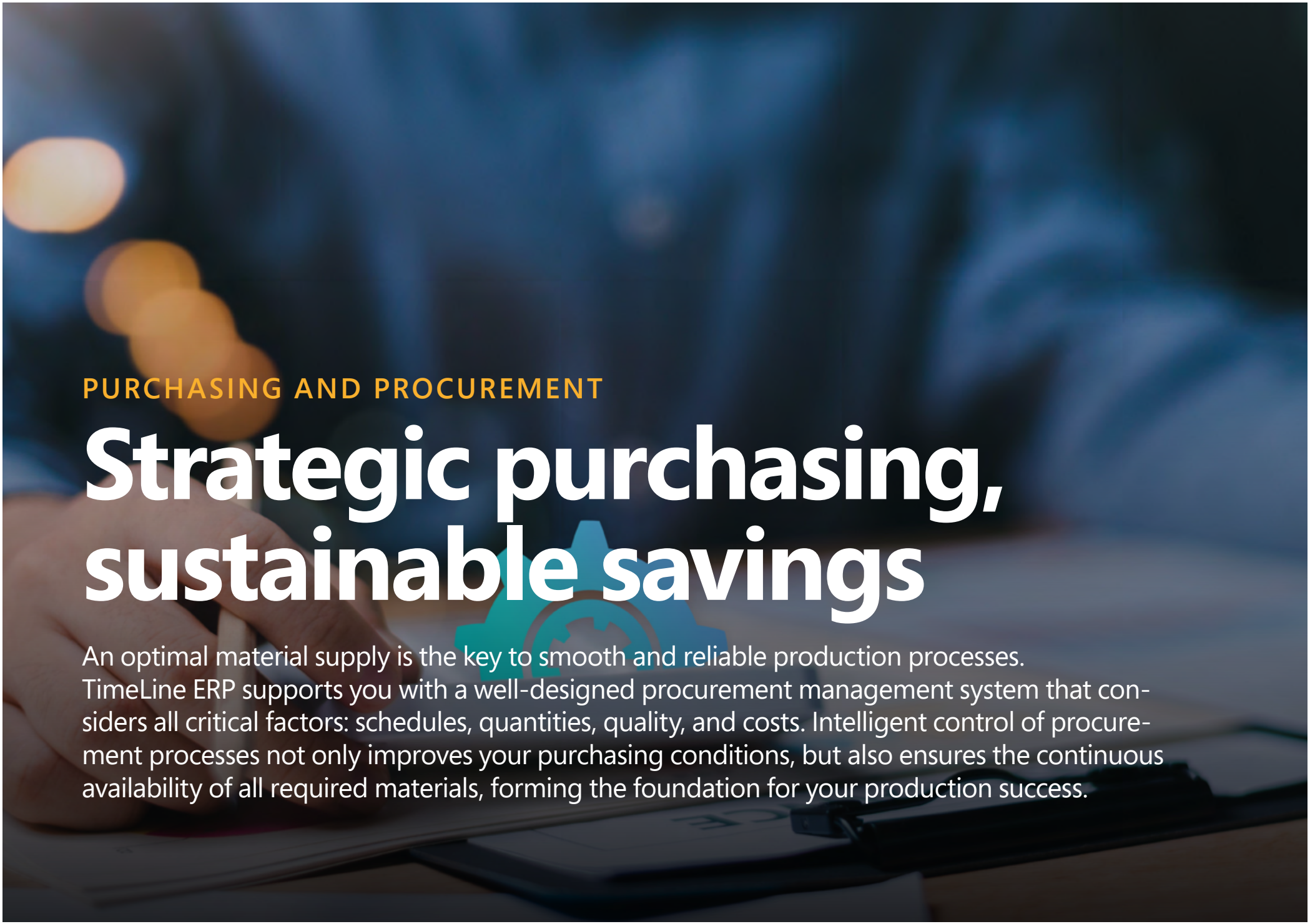
The system offers maximum flexibility in pricing:

- ✓ Individual discounts and special prices
- ✓ Customer-specific promotional pricing
- ✓ Industry-specific surcharges (MTZ, ETZ)
- ✓ Multi-currency and multi-language documents
- ✓ Automatic exchange rate updates



Optimized assortment management

TimeLine ERP enables fully flexible handling of assortments within documents. Prices, texts, and long descriptions can be individually adjusted for each item, ensuring maximum flexibility in customer communication.



PURCHASING AND PROCUREMENT

Strategic purchasing, sustainable savings

An optimal material supply is the key to smooth and reliable production processes. TimeLine ERP supports you with a well-designed procurement management system that considers all critical factors: schedules, quantities, quality, and costs. Intelligent control of procurement processes not only improves your purchasing conditions, but also ensures the continuous availability of all required materials, forming the foundation for your production success.

Purchase Requests: Efficiently Manage C-Parts

TimeLine ERP optimizes the management of C-Parts, operating supplies, and auxiliary materials through an intelligent system for Purchase Requests (PRQs). Employees can autonomously enter their requirements and transparently track the complete process from ordering to goods receipt.

Material Requirements Managers benefit from flexible processing: Requests can be converted into purchase orders via drag & drop and, if needed, consolidated with additional material demands. The end-to-end traceability of the demand source remains consistently preserved – as in an MRP system.

TimeLine ERP offers the following functions for Purchasing:

- ✓ Requests for Quotation (RFQs) and Price Comparisons
- ✓ Automated Purchase Suggestions
- ✓ Purchase Contracts
- ✓ Purchase Orders and Purchase Requests
- ✓ Goods Receipts (Incoming Delivery Notes) and Zero-Value Incoming Delivery Notes
- ✓ Incoming Invoices
- ✓ Supplier Dunning
- ✓ Direct Debits
- ✓ Pricing as in Sales (Supplier Conditions, List Prices)
- ✓ Supplier Sourcing
- ✓ Supplier Information

Purchase contracts: flexible and planning-reliable

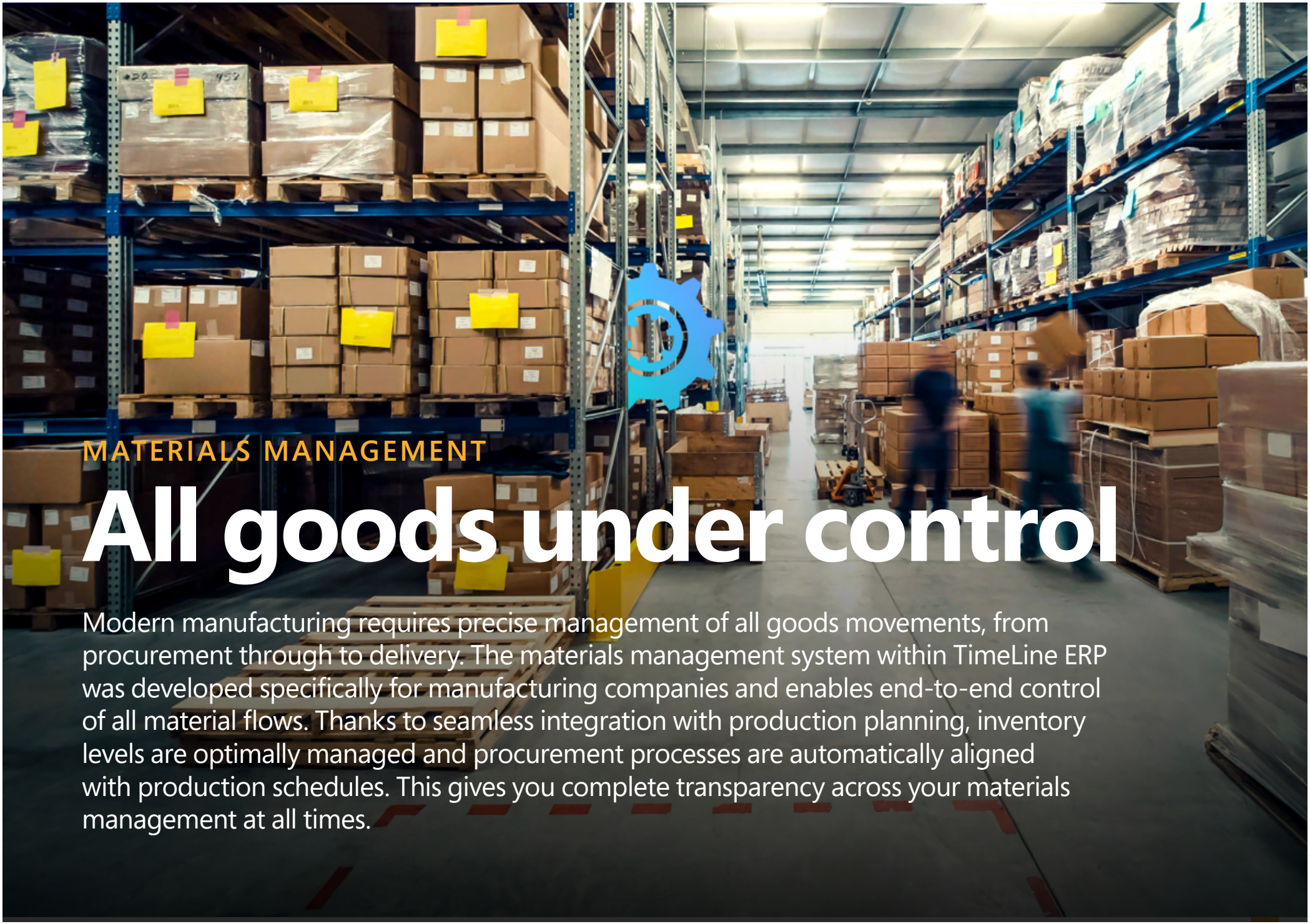
TimeLine ERP offers two efficient options for long-term supply agreements: purchase contracts and call-offs. With purchase contracts, you secure fixed conditions for a defined period and generate orders from them flexibly. Call-offs, by contrast, enable precise scheduling of individual deliveries.

Particularly practical is the serial entry of recurring deliveries, such as monthly call-offs. A clearly structured history documents all call-offs as well as any changes to dates and quantities, ensuring you always retain full visibility of your supply agreements.

Supplier management: consistent and transparent

TimeLine ERP actively supports you in handling delivery issues. In the case of incomplete, defective, or damaged deliveries, you can easily create a debit note to reduce invoice amounts or initiate returns. If agreed delivery dates are not met or parts are missing, reminder notices can be generated automatically and sent directly by email or post. This allows you to document deviations professionally and safeguard your claims toward suppliers.

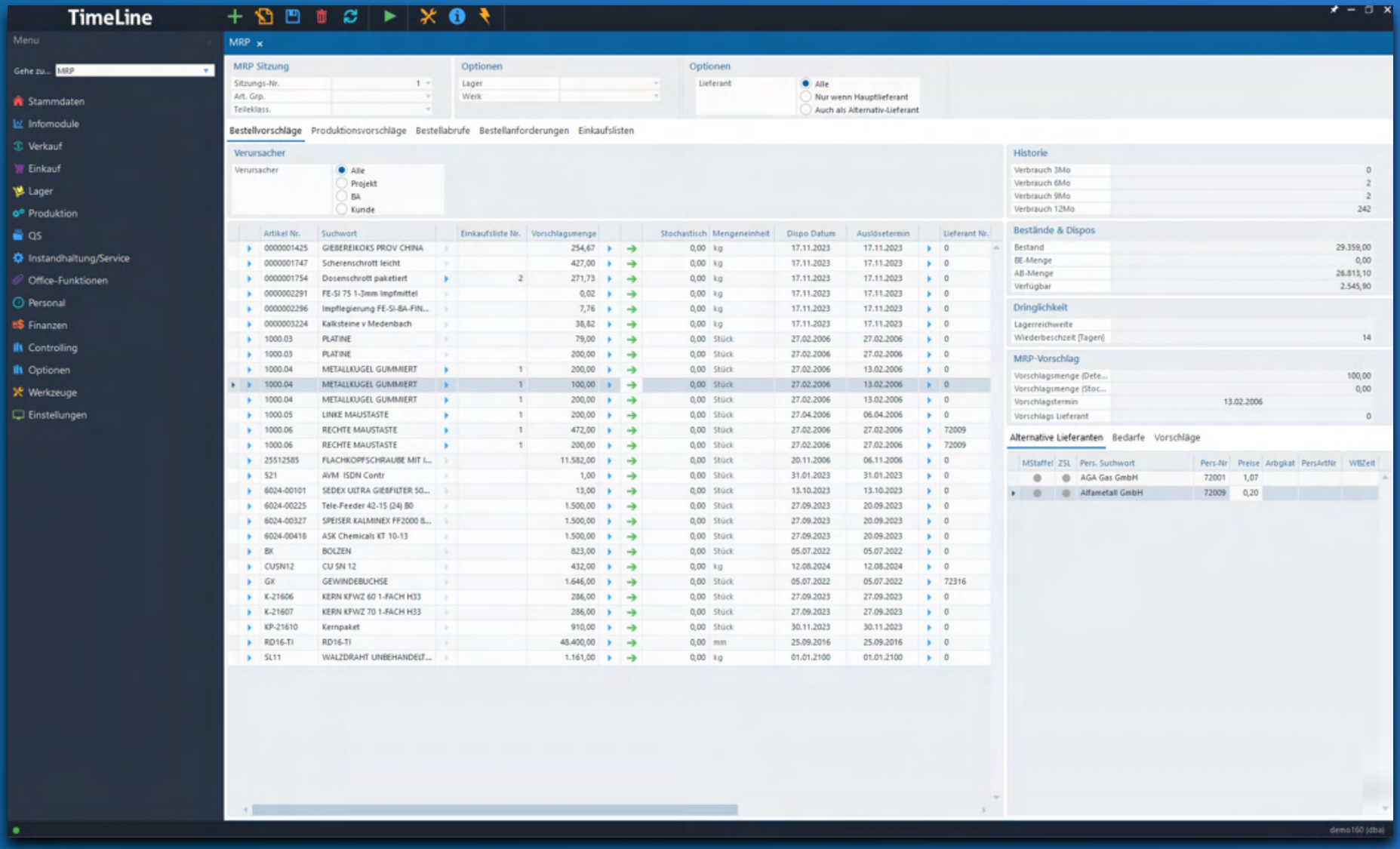




MATERIALS MANAGEMENT

All goods under control

Modern manufacturing requires precise management of all goods movements, from procurement through to delivery. The materials management system within TimeLine ERP was developed specifically for manufacturing companies and enables end-to-end control of all material flows. Thanks to seamless integration with production planning, inventory levels are optimally managed and procurement processes are automatically aligned with production schedules. This gives you complete transparency across your materials management at all times.


TimeLine
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Stammdaten
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Lager
Produktion
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Office-Funktionen
Personal
Finanzen
Controlling
Optionen
Werkzeuge
Einstellungen
MRP
MRP Sitzung
Sitzungs-Nr. 1
Art. Grp.
Teileklass.
Optionen
Lager
Werk
Optionen
Lieferant
Alle
Nur wenn Hauptlieferant
Auch als Alternativ-Lieferant
Bestellvorschläge
Produktionsvorschläge
Bestellabrufe
Bestellanforderungen
Einkaufslisten
Verursacher
Verursacher
Alle
Projekt
BA
Kunde
Artikel Nr. | Suchwort | Einkaufsliste Nr. | Vorschlagsmenge | Stochastisch | Mengeneinheit | Dispo Datum | Auslösetermin | Lieferant Nr.
0000001425 GIEBEREIKOKS PROV CHINA 254,67 0,00 kg 17.11.2023 17.11.2023 0
0000001747 Scherenschrott leicht 427,00 0,00 kg 17.11.2023 17.11.2023 0
0000001754 Dosenschrott paketiert 2 271,73 0,00 kg 17.11.2023 17.11.2023 0
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1000.04 METALLKUGEL GUMMIERT 1 100,00 0,00 Stück 27.02.2006 13.02.2006 0
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521 AVM ISDN Contr 1,00 0,00 Stück 31.01.2023 31.01.2023 0
6024-00101 SEDEX ULTRA GIEßFILTER 50... 13,00 0,00 Stück 13.10.2023 13.10.2023 0
6024-00225 Tele-Feeder 42-15 (24) B0 1.500,00 0,00 Stück 27.09.2023 20.09.2023 0
6024-00327 SPEISER KALMINEX FF2000 8... 1.500,00 0,00 Stück 27.09.2023 20.09.2023 0
6024-00418 ASK Chemicals KT 10-13 1.500,00 0,00 Stück 27.09.2023 20.09.2023 0
BX BOLZEN 823,00 0,00 Stück 05.07.2022 05.07.2022 0
CUSN12 CU SN 12 432,00 0,00 kg 12.08.2024 12.08.2024 0
GX GEWINDEBUCHSE 1.646,00 0,00 Stück 05.07.2022 05.07.2022 72316
K-21606 KERN KFWZ 60 1-FACH H33 286,00 0,00 Stück 27.09.2023 27.09.2023 0
K-21607 KERN KFWZ 70 1-FACH H33 286,00 0,00 Stück 27.09.2023 27.09.2023 0
KP-21610 Kernpaket 910,00 0,00 Stück 30.11.2023 30.11.2023 0
RD16-TI RD16-TI 48.400,00 0,00 mm 25.09.2016 25.09.2016 0
SL11 WALZDRAHT UNBEHANDELT... 1.161,00 0,00 kg 01.01.2100 01.01.2100 0
Historie
Verbrauch 3Mo 0
Verbrauch 6Mo 2
Verbrauch 9Mo 2
Verbrauch 12Mo 242
Bestände & Dispos
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BE-Menge 0,00
AB-Menge 26.813,10
Verfügbar 2.545,90
Dringlichkeit
Lagerreichweite
Wiederbeschzeit [Tagen] 14
MRP-Vorschlag
Vorschlagsmenge (Dete... 100,00
Vorschlagsmenge (Stoc... 0,00
Vorschlagstermin 13.02.2006
Vorschlags Lieferant 0
Alternative Lieferanten
Bedarfe
Vorschläge
MStaffel | ZSL | Pers. Suchwort | Pers.-Nr | Preise | Arbgkat | PersArtNr | WBZeit
AGA Gas GmbH 72001 1,07
Alfametall GmbH 72009 0,20
demo160 (dba)

REQUIREMENTS PLANNING

Plan intelligently, operate efficiently

Precise control of material and goods requirements is critical to the economic success of your business. TimeLine ERP supports you with intelligent, automated requirements planning. The system continuously analyzes relevant key figures and derives optimized purchasing and production proposals. This helps you avoid bottlenecks, reduce inventory levels, and ensure a stable material flow, entirely without manual intervention.

Material Requirements Planning (MRP): intelligent and efficient

1. TimeLine ERP supports your materials management with a powerful MRP system that automatically generates precise planning proposals. The intelligent analysis takes all decisive factors into account, from current stock levels and replenishment lead times to expected scrap quantities. For particularly accurate forecasts, the system applies linear regression to historical data.
2. The MRP module provides valuable additional information such as average consumption, urgency levels, and available alternative suppliers, forming a solid basis for informed material planning decisions. Thanks to end-to-end cause tracking with a practical filter function, you can immediately see the effects of quantity or schedule changes across your entire process chain.

   Newly developed purchasing lists create an effective intermediate step between demand proposals and orders, further optimizing procurement processes. In addition, the innovative session separation allows multiple planners to work simultaneously and independently within the system, making it ideal for larger organizations.

Production proposals generated by the MRP run can be taken into account in the automatic planning process. Based on these results, planned production orders are created and scheduled according to priority and delivery date.



INVENTORY AND WAREHOUSE ORGANIZATION

Reduce costs, increase efficiency

Optimized warehouse organization is another key foundation for economic success. TimeLine ERP controls your entire material flow and aligns it precisely with your production requirements. The system achieves the ideal balance by minimizing inventory costs while simultaneously ensuring continuous material availability for uninterrupted production. Transparent inventory management provides up-to-date information on storage locations and available quantities at all times. This not only optimizes internal processes, but also ensures a high level of delivery readiness for your customers.

Warehouse management: transparent and flexible

TimeLine ERP provides comprehensive warehouse management for all materials, from raw materials and semi-finished goods to finished products. The system supports any number of parallel warehouses, including multiple sites, consignment warehouses, and commission warehouses.

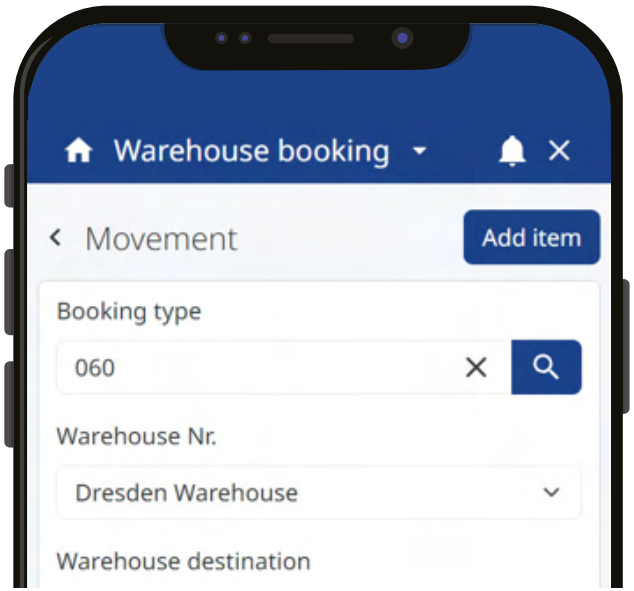
- ✓ Sites and locations
- ✓ Blocked warehouse and consignment warehouse management
- ✓ External manufacturers and extended workbench
- ✓ Consignment and commission warehouses
- ✓ Putaway and picking suggestions based on the FIFO principle
- ✓ Chaotic storage

Intelligent warehouse organization

Within each warehouse, you benefit from a flexible storage location structure that adapts precisely to your requirements. The system supports you with automatic putaway suggestions and FIFO-controlled picking. Integrated batch and serial number management ensures complete traceability, meeting even the most demanding industry standards.

Mobile warehouse management

For maximum flexibility, TimeLine ERP offers an HTML interface optimized for mobile devices. Warehouse transactions can be recorded conveniently via smartphone, tablet, or mobile scanner. Individually configurable transaction types allow optimal alignment with your specific processes.



Warehouse transfers and relocations

TimeLine ERP optimizes your relocation processes with a well-designed system of transfer orders and transfer delivery notes. The software not only manages stock transfers, but also supports the entire logistics workflow, from shipping preparation through to the creation of consignment notes and shipping labels. The flexible warehouse structure supports both hierarchical and matrix-based organizational models, making it well suited for high-bay warehouses as well. Intelligent functions assist you throughout: automatic putaway suggestions take free storage locations and batch management into account, while FIFO-controlled picking ensures optimal stock rotation.

Container management: transparent and traceable

TimeLine ERP provides end-to-end container management for your storage and shipping units. Each container is assigned a unique identification number, enabling seamless tracking across the entire process, from goods receipt and storage through to dispatch. Flexible configuration allows container-specific transactions, which can be conveniently recorded using mobile scanners. This ensures you always have a clear overview of your container inventories and their movements.

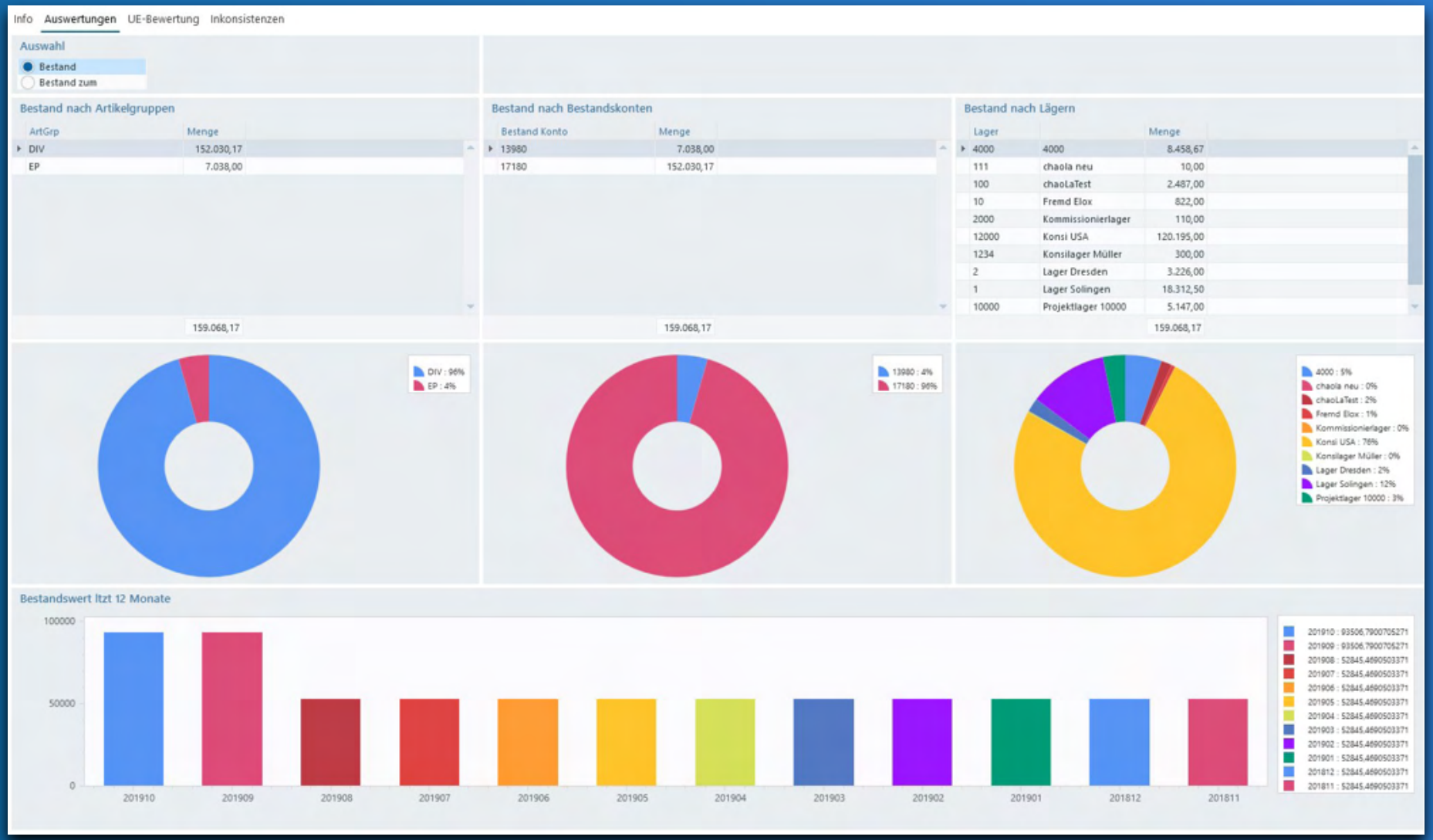
Product tracking: seamless and certification-compliant

TimeLine ERP provides end-to-end batch and serial number management that meets the highest industry requirements, from automotive through to aerospace. The system automatically records every stock movement and gives you full control over the use of specific batches or serial numbers. For each batch, you can manage important additional information such as expiration dates or warranty periods. Integrated document management allows relevant documents, from inspection reports to mill certificates, to be assigned directly.

Flexible product structures

Using assortment management, you can define sales-ready product sets. The system automatically calculates the available number of complete sets based on individual stock levels. For in-house production, the powerful bill of materials management supports product structures of any depth and includes automatic recursion checks to ensure error-free creation. During production, these structures are automatically broken down into the corresponding production orders and purchase orders.




Info
Auswertungen
UE-Bewertung
Inkonsistenzen
Auswahl
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4000 : 5%
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Konsi USA : 76%
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Lager Solingen : 12%
Projektlager 10000 : 3%
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201903 : 52845,4690503371
201902 : 52845,4690503371
201901 : 52845,4690503371
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201811 : 52845,4690503371

FIFO inventory valuation

TimeLine ERP provides advanced FIFO valuation for inventory and work-in-progress quantities. The system automatically links issues with receipts and applies the correct valuation prices, ensuring a realistic and accurate valuation of all movements and stock levels.

Intelligent valuation control

The latest version allows immediate use of the FIFO method without complex initialization. An intelligent rollback mechanism automatically identifies the optimal point for corrections. Even retrospective changes to warehouse logs are supported, ensuring an audit-proof and reliable data foundation.

1 Flexible reporting

Valuations can be generated for any point in the past, with values clearly grouped by inventory accounts. Date-based work-in-progress valuation delivers precise results for production orders, including operation-specific WIP values.



Transfer to financial accounting

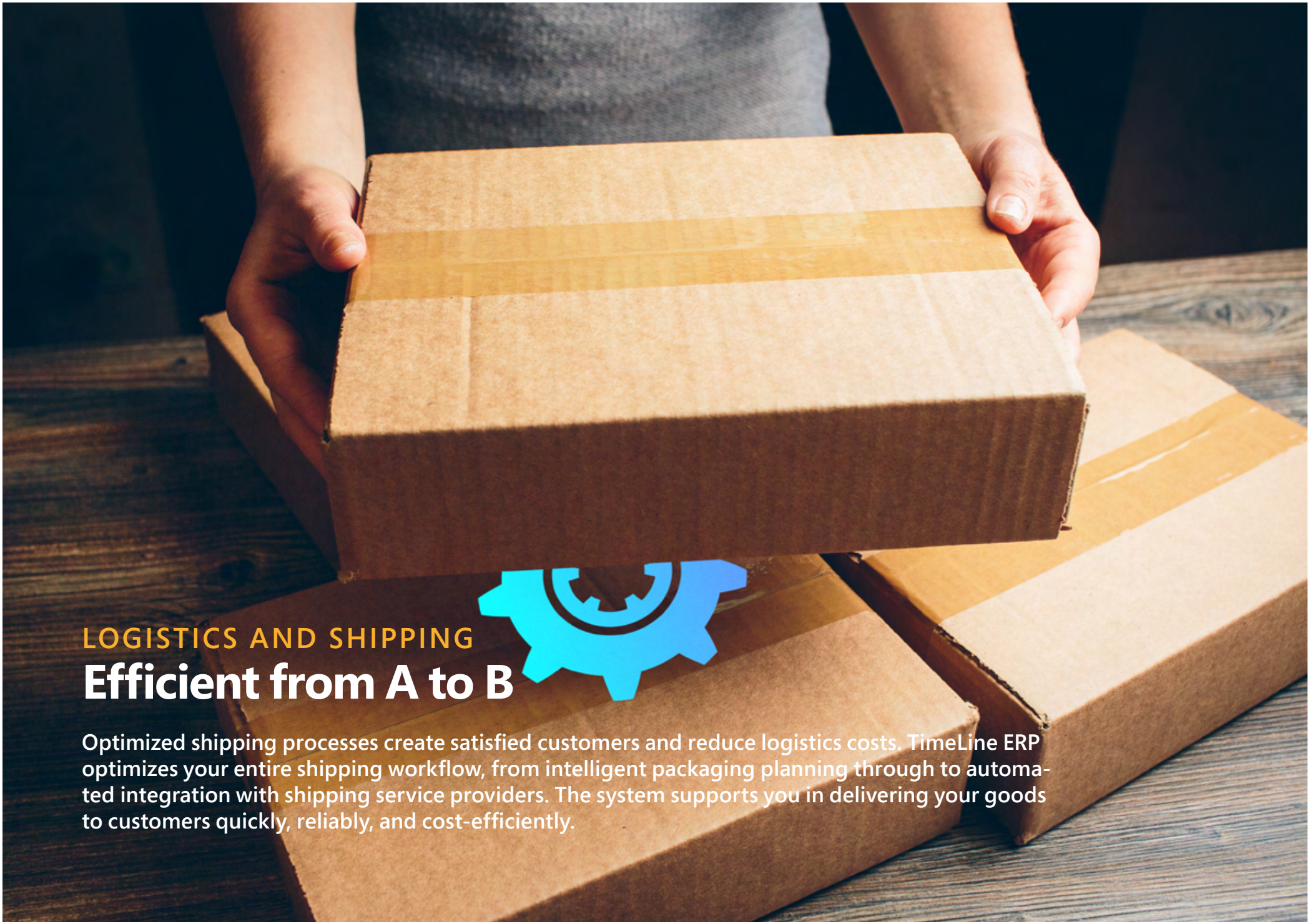
The configurable interface to financial accounting enables a differentiated transfer of postings. Cost object–relevant transactions are transferred individually, while standard postings are aggregated and transferred monthly by inventory account. This ensures a seamless reconciliation between materials management and financial accounting.

Inventory: flexible and precise

TimeLine ERP provides a comprehensive inventory module that adapts precisely to your requirements. You can choose between a classic physical inventory at a fixed date or a perpetual inventory. With perpetual inventory, counting processes can be flexibly distributed throughout the fiscal year and structured by inventory groups or warehouse areas.

The new pre-valuation feature allows for a precise assessment of inventory even before the inventory process is completed. Different valuation bases can be applied, ranging from average cost to current purchase price. Integration of container inventory further increases accuracy in stock recording. Data capture can be carried out conveniently via WLAN scanner or PC. The system automatically identifies inventory variances and supports valuation, including customizable depreciation rules for different item groups.





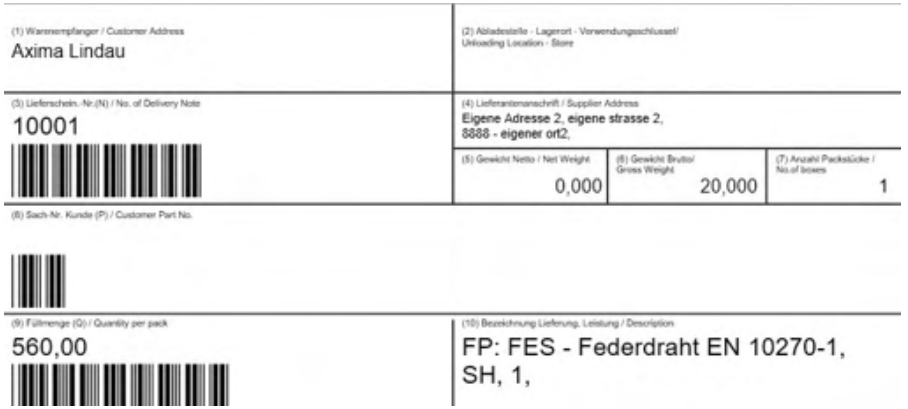
LOGISTICS AND SHIPPING

Efficient from A to B

Optimized shipping processes create satisfied customers and reduce logistics costs. TimeLine ERP optimizes your entire shipping workflow, from intelligent packaging planning through to automated integration with shipping service providers. The system supports you in delivering your goods to customers quickly, reliably, and cost-efficiently.

Smart packaging planning

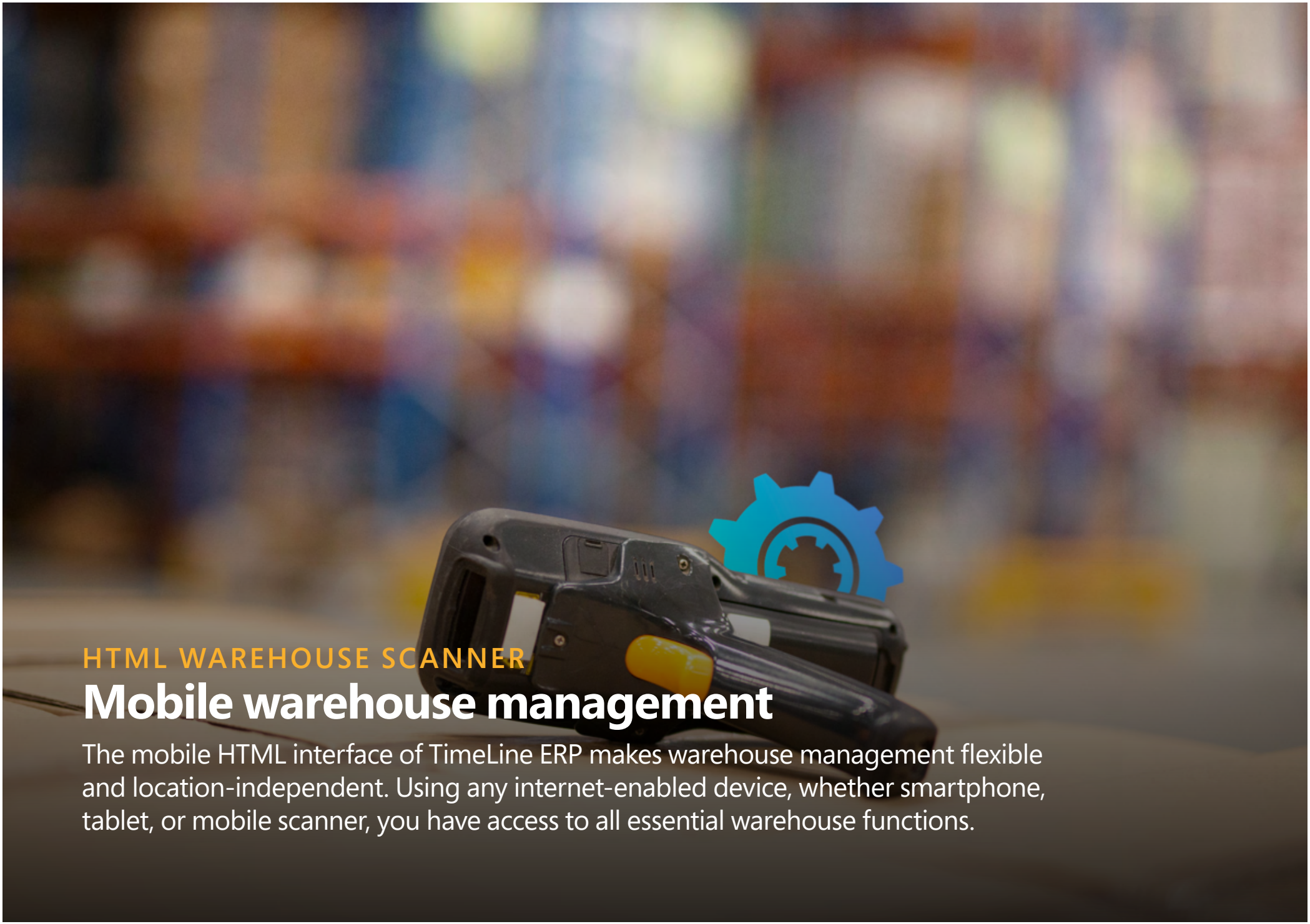
Shipping preparation is significantly simplified with Time-Line ERP. All relevant information such as weight, preferred packaging, and maximum quantities is stored once in the item master. When delivery notes are created, the system automatically generates optimized packaging suggestions based on this data.



Automated shipping processing

The shipping process is largely automated. After any manual adjustment of packaging, the data is transmitted digitally to shipping service providers such as DHL, DPD, or UPS. The finished shipping labels are returned automatically and only need to be printed. This reduces manual effort to a minimum and prevents errors caused by media discontinuities.

- ✓ Delivery note
- ✓ Label printing (e.g. VDA shipping labels)
- ✓ Consignment note
- ✓ Electronic delivery note / EDI delivery documents
- ✓ Customer-specific packaging instructions, single- and multi-level packaging
- ✓ Interfaces to UPS, DPD, and DHL web services
- ✓ Shipping proposals including logistics processes
- ✓ FIFO-based shipping proposals
- ✓ Loading lists
- ✓ Pick-and-pack workflow
- ✓ Customizable HTML scanner solution for picking and consignment notes



HTML WAREHOUSE SCANNER

Mobile warehouse management

The mobile HTML interface of TimeLine ERP makes warehouse management flexible and location-independent. Using any internet-enabled device, whether smartphone, tablet, or mobile scanner, you have access to all essential warehouse functions.

Custom transaction types

The system allows you to create tailored transaction types for your specific requirements. These are assigned to the respective mobile devices and are immediately available via the HTML interface. This allows you to design your warehouse processes precisely to match your needs.

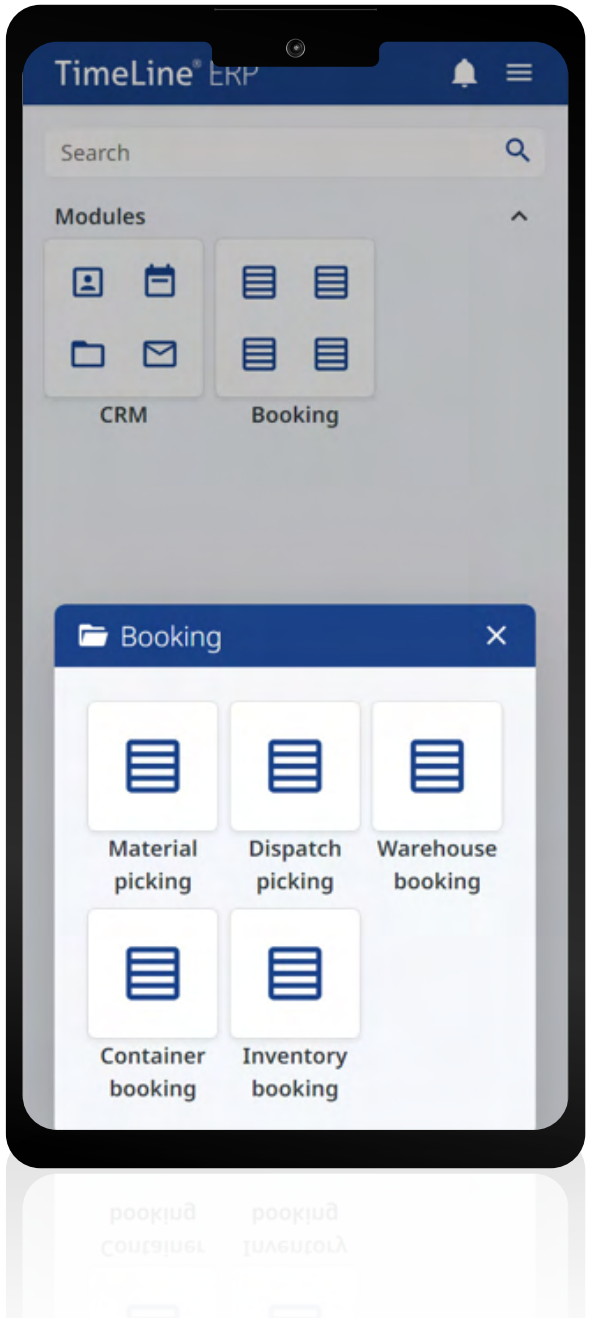
Comprehensive warehouse functions

The mobile application supports all relevant warehouse movements:

- Goods receipts, issues, and relocations
- Picking for production orders
- Shipping preparation
- Complete container management

Professional container management

With the scanner application, you can manage containers efficiently and transparently. New containers can be created, existing ones relocated or repacked, with all movements documented in real time within the system.





PRODUCTION AND PLANNING

Your manufacturing in focus

Modern manufacturing faces complex challenges: on-time delivery, cost control, and optimal resource utilization must be perfectly aligned. With TimeLine ERP, you have a powerful tool that brings transparency to your production processes and elevates your planning to a new level. From rough planning through to detailed shop-floor control, the system supports you in using your production capacities efficiently and optimizing lead times. Through the seamless integration of all relevant business areas, you create the foundation for future-ready, competitive manufacturing.

MATERIAL REQUIREMENTS PLANNING

Managing resources intelligently

Precise planning of material requirements is the key to efficient and cost-effective manufacturing. Only those who control material flows optimally can avoid costly excess inventory and critical bottlenecks. TimeLine ERP supports you with intelligent planning tools to ensure the right quantities are available at the right time, creating an efficient and future-proof materials management process.

Available-to-Promise (ATP)

Inventory management has never been this precise. With the ATP function, you optimize stock levels while simultaneously increasing customer satisfaction. The intelligent system determines the optimal inventory quantities and maintains the perfect balance between product availability and efficient warehousing.

Your benefits:

- Minimized inventory levels with maximum delivery capability
- Data-driven demand forecasts for reliable planning
- Automatic replenishment control
- Avoidance of excess stock

As a core component of modern supply chain management, ATP enables precise inventory control and reliable delivery commitments. The result is reduced inventory costs alongside improved customer service.

Advanced Planning and Scheduling

Optimize your materials management and production planning with the powerful APS module. The system precisely determines future material requirements and controls on-time procurement, ensuring efficient inventory management and reliable delivery performance.

Your benefits:

- Automatic requirements calculation and planning
- Optimized inventory levels and transparent material movements
- Flexible response to dynamic delivery call-offs
- Nightly replanning to reflect current call-off changes

Especially in the supplier industry, where delivery schedules may change on a daily basis, the APS module provides a decisive competitive advantage. The system automatically incorporates all call-off changes overnight and adjusts rough planning accordingly. This ensures you start each day with an optimally updated production plan.



APS run

Step 1: Import via EDI interface

Import of current call-off quantities and delivery dates.

Step 2: Delete planned orders

Removal of all planned orders that have not yet been fixed.

Step 3: MRP run

Recalculation of all primary and secondary requirements based on the new call-offs, and generation of production proposals with target dates.

Step 4: Generate planned orders

Conversion of production proposals into new planned orders.

Step 5: Rescheduling

Planned orders are scheduled backwards from the delivery date. Alternative machines are taken into account during planning.



ELECTRONIC DATA INTERCHANGE

Digitally accelerating business processes

Modern business relationships demand fast and precise data exchange. The EDI module (Electronic Data Interchange) automates communication between you, your customers, and your suppliers. Documents such as orders, delivery notes, and invoices are transmitted in a standardized and error-free manner, both nationally and internationally. This reduces manual data entry, accelerates processes, and increases the efficiency of your business operations.

Editing documents

Imported transmissions can be viewed, edited, and released for further processing using the editor. The editor displays all components of a transmission exactly as they will later be processed by TimeLine ERP.

EDI file viewer

The integrated EDI file viewer makes EDI messages readable and easy to understand. EDI messages can be uploaded and displayed segment by segment, including the corresponding values for each data element.

EDI Formats

STANDARDUNTERSTÜTZUNG
VDA
Global EDIFACT gemäß GS1 oder VDA
EDIFACT alle Directories
Flatfile
SAP IDOC
XML
CSV
Echtes ANY-TO-ANY Mapping auf Datenbanken
Intern. Standard Mappings z.B. EDI –> VDA oder VDA –> EDI

EDI-BELEGTYPEN	VDA STANDARD	GLOBAL EDIFACT STANDARD (GS1/VDA)	EDIFACT NACHRICHTENTYP
Auftrag	VDA 4925		EDIFACT ORDERS
Auftragsänderung	VDA 4925		EDIFACT ORDCHG
Lieferabruf	VDA 4905	VDA 4984	EDIFACT DELFOR
Feinabruf	VDA 4915	VDA 4985	EDIFACT DELJIT
Lieferschein	VDA 4913	VDA 4987	EDIFACT DESADV
Lagerbericht, -bewegungen	VDA 4913	VDA 4990	EDIFACT INVRPT
Rechnungen	VDA 4906	VDA 4938	EDIFACT INVOIC
Gutschrift (Selfbilling)	VDA 4908	VDA 4938	EDIFACT CREADV
Zahlungsavis	VDA 4907		EDIFACT REMADV
Wareneingangsbericht	VDA 4913		EDIFACT RECADV
Auftragsbestätigung			EDIFACT ORDRSP
Artikelstammdaten			EDIFACT PRICAT
Verkaufsbericht			EDIFACT SLSRPT
Speditionsavis	VDA 4933		EDIFACT IFTMIN





SCHEDULING AND CAPACITY PLANNING

Perfectly coordinating production processes

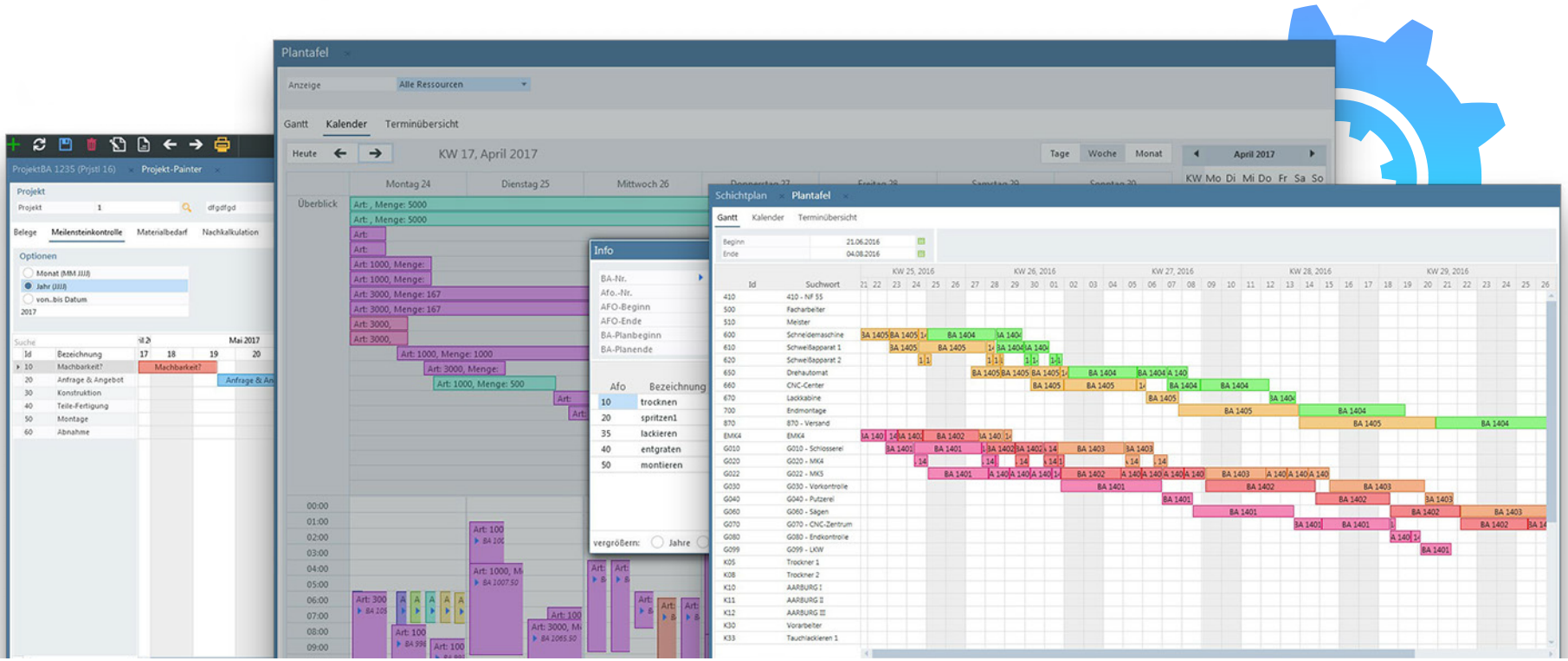
In modern manufacturing, the precise coordination of schedules and capacities is a decisive factor for business success. TimeLine ERP provides powerful tools for reliable production planning, from strategic rough planning through to detailed shop-floor control. By intelligently linking routings, resources, and shift models, you optimize lead times and maximize the utilization of your production capacities.

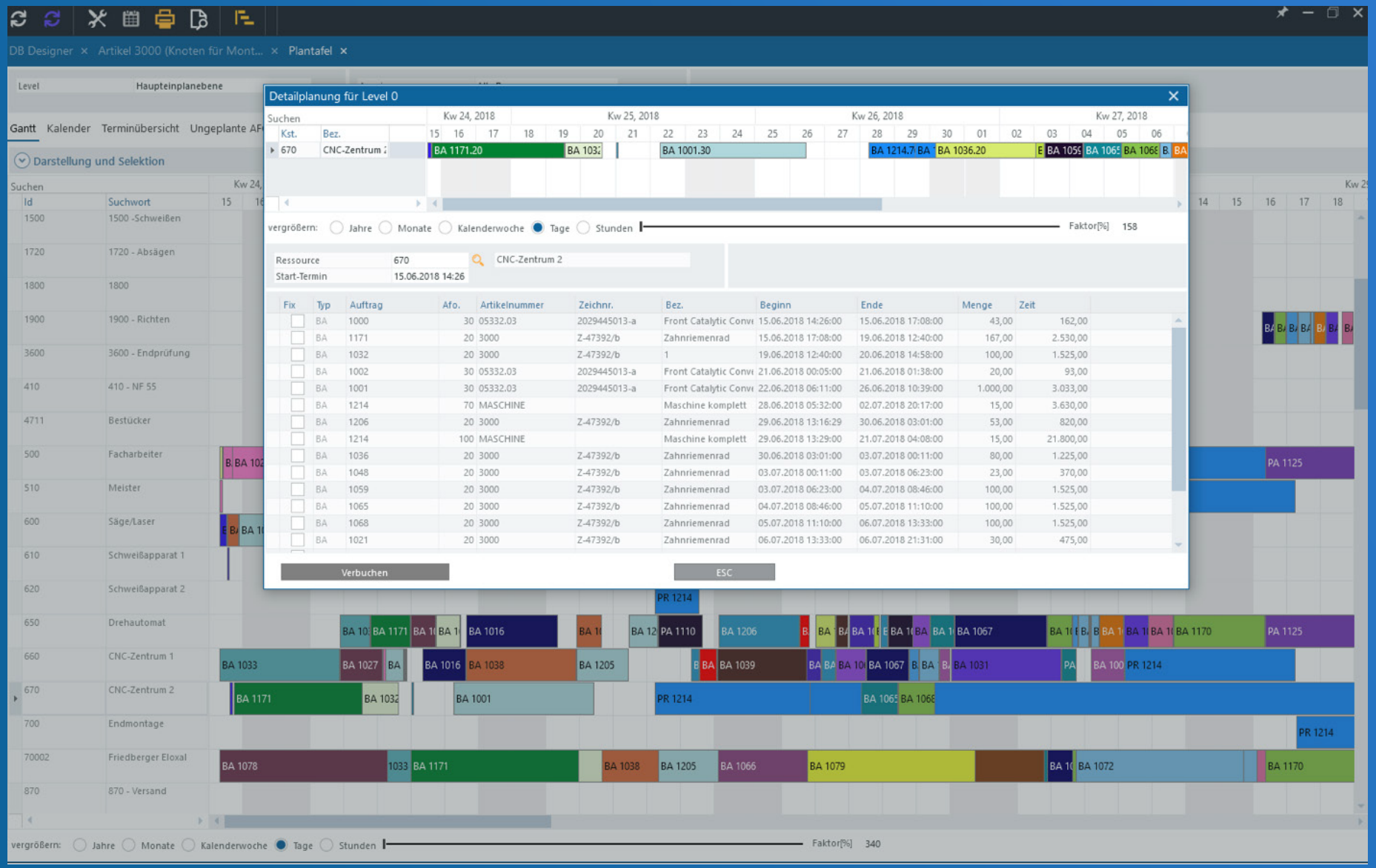
Rough planning

Rough planning provides the decisive overview you need. The system automatically calculates realistic production dates, taking available resources and capacities into account. Starting from the target dates, all production orders are scheduled backwards. This allows you to identify potential schedule deviations at an early stage and take corrective action in good time.

Visualization and planning

The clear Gantt chart makes your production planning fully transparent. At a glance, you can see the utilization of all resources and identify potential bottlenecks. The flexible planning calendar also allows a detailed view of each individual resource, available in daily, weekly, or monthly formats. This ensures full control over your manufacturing processes and enables optimal capacity planning at all times.




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Suchen
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Suchwort
1500 1500 -Schweißen
1720 1720 - Absägen
1800 1800
1900 1900 - Richten
3600 3600 - Endprüfung
410 410 - NF 55
4711 Bestücker
500 Facharbeiter
510 Meister
600 Säge/Laser
610 Schweißapparat 1
620 Schweißapparat 2
650 Drehautomat
660 CNC-Zentrum 1
670 CNC-Zentrum 2
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SEQUENCE PLANNING AND FINE SCHEDULING

Perfectly orchestrating production processes

The optimal control of complex manufacturing processes requires a precise interplay between strategic planning and operational execution. TimeLine ERP brings both worlds together: rough planning defines the strategic framework, while fine scheduling by your experts enables the decisive coordination of day-to-day production. The system supports every decision with intelligent planning tools, from clear Gantt visualizations to detailed machine loading. This gives you full control over order sequences, resource allocation, and capacity utilization. Minute-by-minute coordination of all processes ensures maximum efficiency with the highest degree of flexibility.

The result: on-time deliveries combined with optimal production costs.

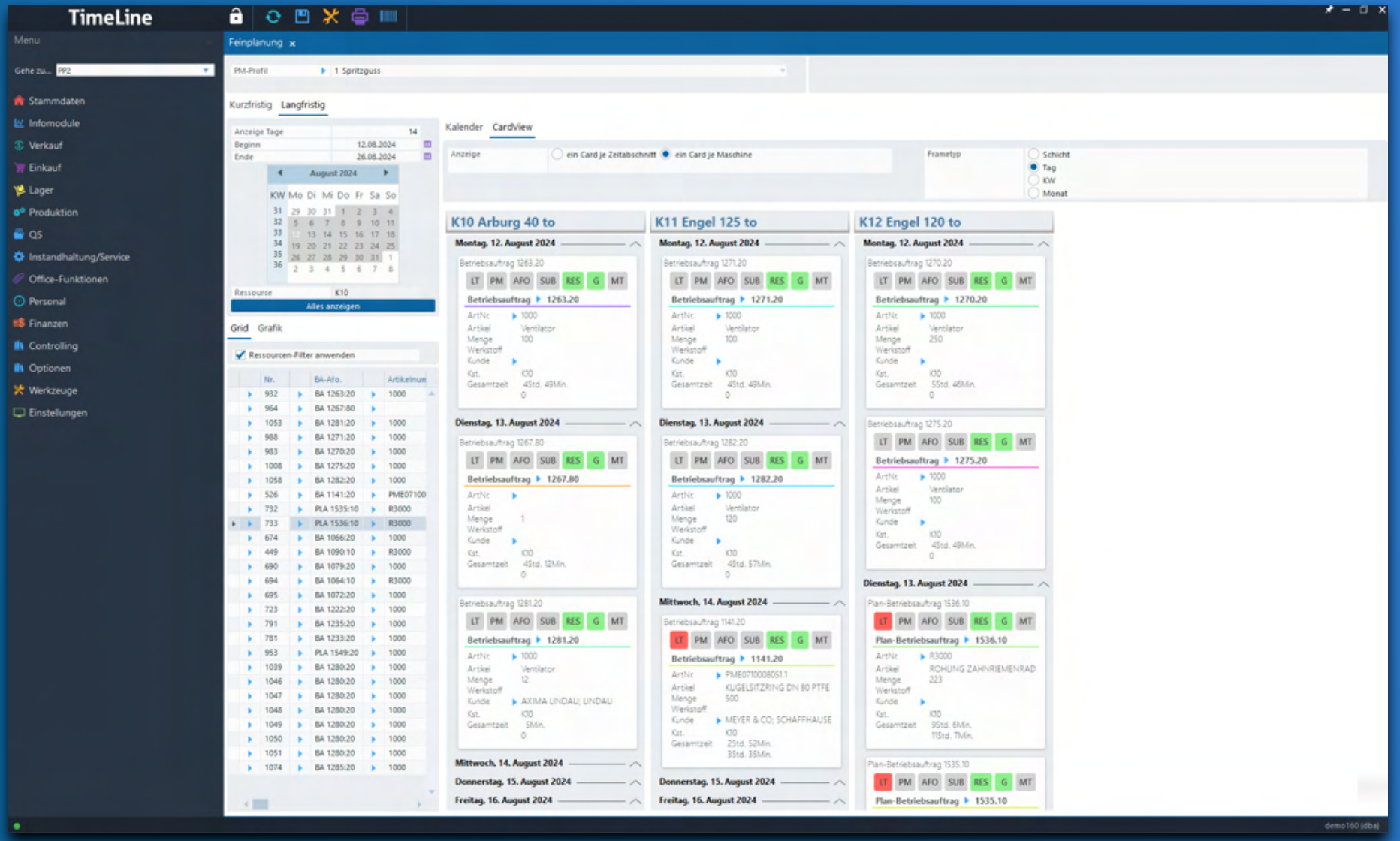
Fine scheduling: manual optimization for maximum efficiency

Fine scheduling in TimeLine ERP allows you to selectively optimize the automatically generated rough plan. While the system calculates a continuously updated overview of resource utilization and production dates on a daily basis, planners can manually refine the results.

The interaction between automated rough planning and manual fine control opens up a wide range of optimization options:

- Flexible shifting of orders between resources
- Intelligent optimization of setup sequences
- Demand-driven splitting or consolidation of production orders
- Targeted adjustment of production dates

1


TimeLine
Menu
Gehe zu... PP2
Stammdaten
Infomodule
Verkauf
Einkauf
Lager
Produktion
QS
Instandhaltung/Service
Office-Funktionen
Personal
Finanzen
Controlling
Optionen
Werkzeuge
Einstellungen
Feinplanung
PM-Profil
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Ende 26.08.2024
August 2024
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K12 Engel 120 to
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Dienstag, 13. August 2024
Mittwoch, 14. August 2024
Donnerstag, 15. August 2024
Freitag, 16. August 2024
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1 Kanban board

The innovative Kanban board in TimeLine ERP optimizes production planning through its machine-to-machine view. The synchronized period view provides a precise overview of all planning horizons. Particularly valuable is the flexible aggregation of planning data by shift, day, week, or month. This multidimensional perspective enables more effective resource allocation and supports strategic analysis of your production capacities.

Shift schedules and capacities

TimeLine ERP enables precise capacity planning through the intelligent management of shift models. The system automatically takes all relevant factors into account, from region-specific public holidays to individual resource availability. This gives you an accurate overview of available capacities at all times and allows shift schedules to be optimally aligned with the order situation. Dynamic capacity calculation forms a reliable foundation for your entire production control.

Workforce management

The workforce planning function in TimeLine ERP optimizes personnel resources in direct interaction with production planning. The system automatically considers employee qualifications, availability, and capacity, integrating these factors seamlessly into manufacturing control.

Intelligent personnel assignment

- Automatic consideration of qualification profiles
- Flexible adaptation to shift models and working hours
- Direct integration with detailed production scheduling

Workforce planning enables forward-looking staff deployment while simultaneously optimizing production processes. Bottlenecks are identified early, overcapacity is avoided, and manufacturing efficiency is sustainably increased.





TOOL MANAGEMENT AND TOOLMAKING

Managing valuable assets optimally

Tools are critical production resources, and their professional management has a direct impact on manufacturing efficiency. TimeLine ERP provides a well-designed system for complete control of your tool inventory, from lifecycle monitoring through to cost optimization.

Intelligent lifecycle management

The digital tool lifecycle automatically documents every use of your tools. Downtimes, maintenance cycles, and cycle times are precisely recorded and analyzed. This allows you to identify optimization potential at an early stage and plan maintenance activities proactively.

Efficient tool organization

Centralized tool management provides full transparency across your entire tool inventory. Whether die-casting tools, molds, gauges, or inspection equipment, all technical data, documents, and maintenance histories are available at any time. Automatic assignment to items and operations optimizes production planning.

Professional toolmaking

Repairs and modifications are managed via dedicated toolmaking orders. Integrated time recording and cost allocation give you full control over maintenance effort and costs. Coordination with external toolmakers is also simplified through automated delivery and documentation processes.

Economic contol

Integrated amortization calculations and continuous cost controlling per tool support sound investment decisions. Additional functions such as tool locks with justification, digital document management, and monitoring of tool components safeguard process quality.

Tool availability under control

The system automatically notifies you when maintenance intervals are due or maximum runtimes are exceeded. Predictive planning of tool changes and maintenance minimizes unplanned downtime in production.

Coupled production orders

In coupled production, a tool generates additional by-products alongside the main product. TimeLine ERP maps this process efficiently: tools are defined together with their coupled products, and cavities determine the production ratio. The system automatically monitors all key figures and reports maintenance requirements in good time.



DATA CAPTURE

From machine to management

TimeLine ERP provides a universal data capture system that covers all areas of your production. From production data capture and machine data through to mobile data capture, the system streamlines processes, optimizes manufacturing, and significantly reduces time and cost. Through the seamless integration of all data capture systems, you create the foundation for transparent, future-ready production in line with Industry 4.0.

UNIVERSAL MACHINE INTERFACE (UMI)

Digitizing analog machines

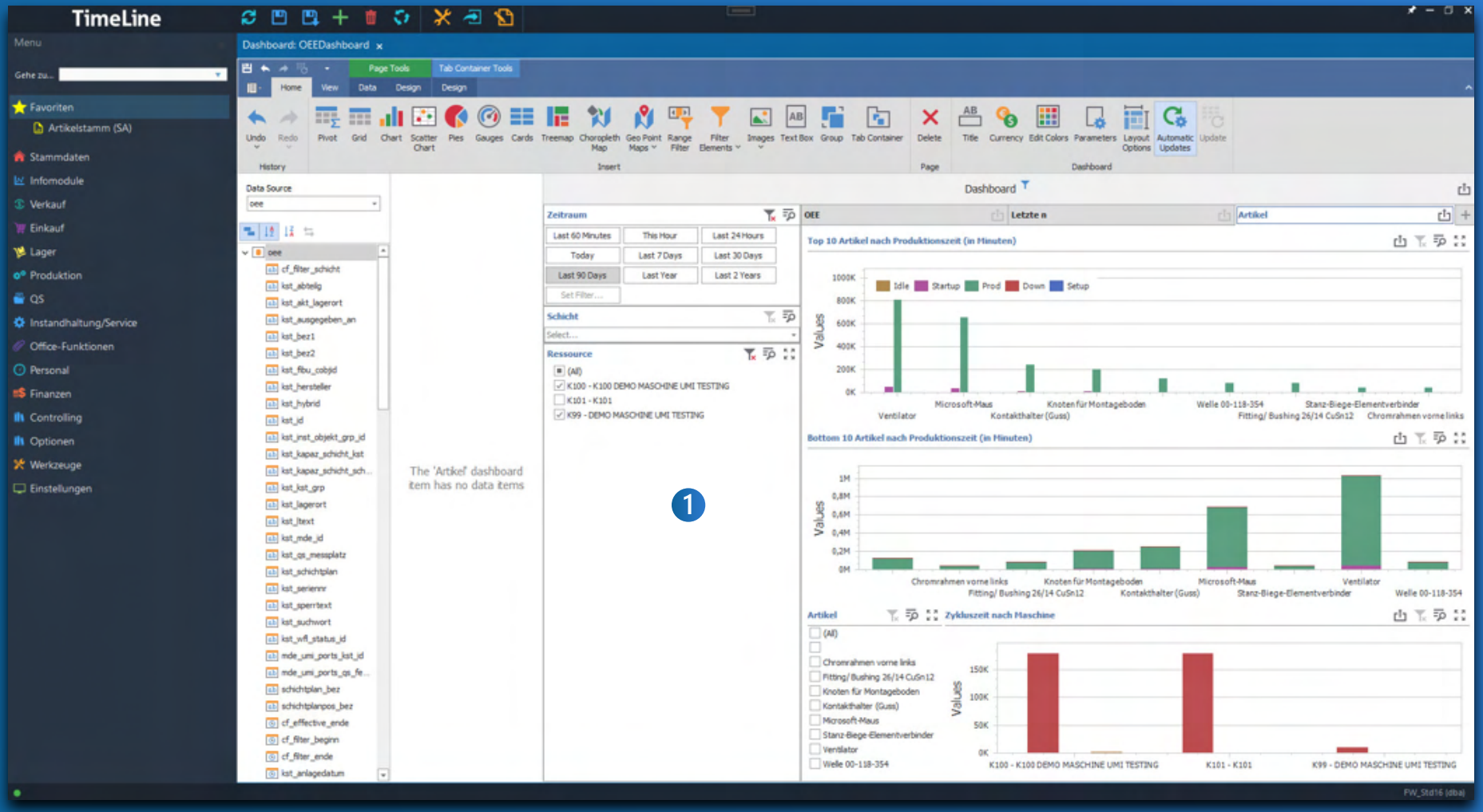
The digital transformation of existing production equipment remains a key first step toward efficient and transparent manufacturing in line with Industry 4.0. The UMI provides a simple and cost-effective way to digitize analog machines and gain valuable insights into runtimes, downtime, performance levels, and production quantities.



With 10 ports (5–24 V), the UMI offers sufficient digital inputs to comprehensively analyze modern machines or to capture cycles, statuses, and downtime across multiple machines in a brownfield environment, where new and legacy equipment operate side by side. The DIN-rail-mounted housing allows installation directly in the machine control cabinet or in a central network cabinet.

An internal cache protects against data loss in the event of connection interruptions. In addition, the UMI provides a relay output, for example to stop or shut down a machine, as well as a four-color signal light control that can be used for individual customizations.

Power is supplied via PoE Class 4 (13 W), while network configuration is managed centrally via the MDE server.


TimeLine
Menu
Favoriten
Artikelstamm (SA)
Stammdaten
Infomodule
Verkauf
Einkauf
Lager
Produktion
QS
Instandhaltung/Service
Office-Funktionen
Personal
Finanzen
Controlling
Optionen
Werkzeuge
Einstellungen
Dashboard: OEEDashboard
Dashboard
Zeitraum
Last 60 Minutes
This Hour
Last 24 Hours
Today
Last 7 Days
Last 30 Days
Last 90 Days
Last Year
Last 2 Years
Schicht
Ressource
K100 - K100 DEMO MASCHINE UMI TESTING
K101 - K101
K99 - DEMO MASCHINE UMI TESTING
The 'Artikel' dashboard item has no data items
Top 10 Artikel nach Produktionszeit (in Minuten)
Idle
Startup
Prod
Down
Setup
Values
Ventilator
Microsoft-Maus
Kontakthalter (Guss)
Knoten für Montageboden
Welle 00-118-354
Fitting/ Bushing 26/14 CuSn12
Stanz-Biege-Elementverbinder
Chromrahmen vorne links
Bottom 10 Artikel nach Produktionszeit (in Minuten)
Artikel
Zykluszeit nach Maschine
1

PDC TERMINAL

Precise production data capture creates the indispensable foundation for efficient APS planning and production control. TimeLine ERP supports this with an intuitive terminal interface that can be flexibly adapted to your individual requirements.

Employees benefit from PDC terminals directly at their workstations on the shop floor, where they can:

- View and report current work steps
- Retrieve production schedules
- Access work instructions directly at the terminal

This end-to-end data capture not only increases transparency across your processes, but also provides valuable insights for production planning and control. As a result, you can continuously optimize manufacturing workflows and sustainably increase production efficiency.

1 Cycle and machine data information panel

The new cycle and machine data info panel provides a clear overview of key information for monitoring and optimizing machine performance.

DMS and PDM access

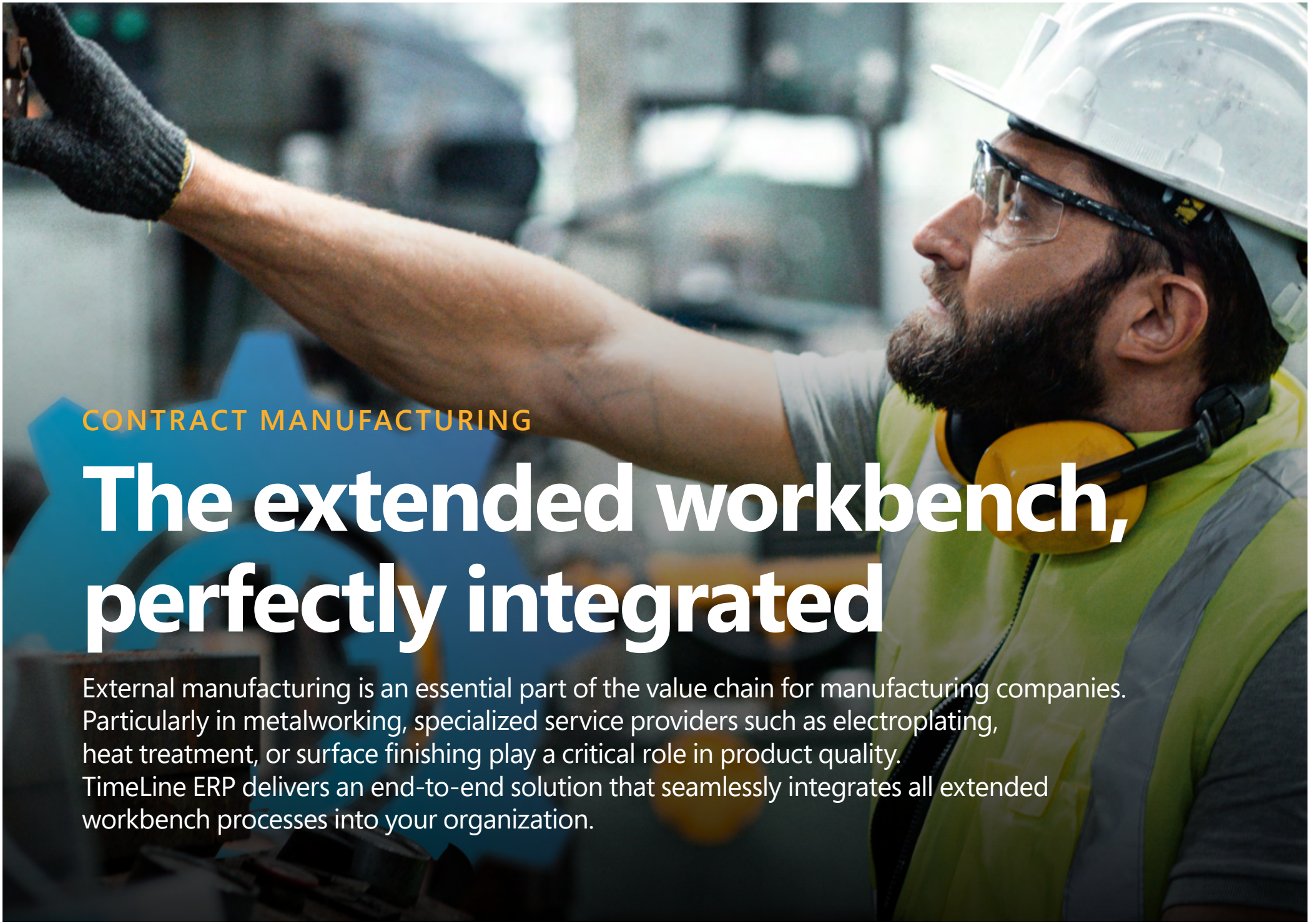
Full access to all DMS documents, drawings, and the PDM system is also available directly at the PDC terminal. Each part can be rotated, zoomed, and displayed in full using native 3D visualization of STEP and IGES neutral formats, even at the terminal.

Quality data capture

Just as quality management is an integral part of the ERP system, in-process quality data capture can be performed on the same screen as production data capture.

Machine data capture

PDC and MDC are fully integrated. Machine data can also be displayed directly on the PDC terminal via the information buttons.



CONTRACT MANUFACTURING

The extended workbench, perfectly integrated

External manufacturing is an essential part of the value chain for manufacturing companies. Particularly in metalworking, specialized service providers such as electroplating, heat treatment, or surface finishing play a critical role in product quality.
TimeLine ERP delivers an end-to-end solution that seamlessly integrates all extended workbench processes into your organization.

End-to-end planning

The integration of external processors begins as early as the routing stage, where they are defined as resources. By specifying dedicated lead times, external operations are precisely embedded into overall planning, enabling reliable scheduling and capacity planning.

Costing and cost control

External manufacturers are managed as suppliers with individual pricing conditions. This allows precise pre-calculation of subcontracting costs and their integration into overall costing. Managing operations directly within purchasing and sales documents ensures transparent and consistent cost control.

Intelligent document management

Material flow is controlled via a flexible document system. Goods accompanying notes document all material movements, while automatic warehouse transfers provide full transparency. The option to create collective documents further streamlines the handling of larger delivery volumes.

Precise material tracking

The software supports comprehensive management of serial and batch numbers as well as circulating containers. This guarantees complete traceability of all supplied components and simplifies container management throughout goods movement.

Flexible process workflows

TimeLine ERP offers multiple process variants to meet different requirements. From classic processing via goods accompanying notes to direct posting into goods receipt with automatic invoice generation, the system adapts seamlessly to your business processes.

Project-based manufacturing

External manufacturing is fully integrated into project management. Project-related production orders can include external processing steps and are controlled with the same precision as internal operations. Direct management of operations within project documents ensures seamless integration into your project execution.



PROJECTS AND PROJECT MANAGEMENT

Confidently managing complex processes

The challenges of single-item production and mechanical engineering demand a powerful project management solution. TimeLine ERP provides a well-designed project management system developed specifically for the requirements of single-item manufacturers, mechanical engineers, and series producers. At its core is the seamless integration of all processes: from purchasing and sales documents to production orders and customer communication, all project-relevant information is consolidated within a single, central structure.

PROJECT EXPLORER

Your digital cockpit

The Project Explorer serves as the central control hub for all project-related activities. All information converges here, from internal documents and external files to drawings and technical documentation. Its clear structure enables fast and direct access to all relevant project data.

Milestones and project phases

The extended milestone management now provides hierarchical structures for improved organization of complex projects. Visual differentiation between milestones and project phases, combined with new linking options between milestones, makes dependencies and project progress clearly transparent.

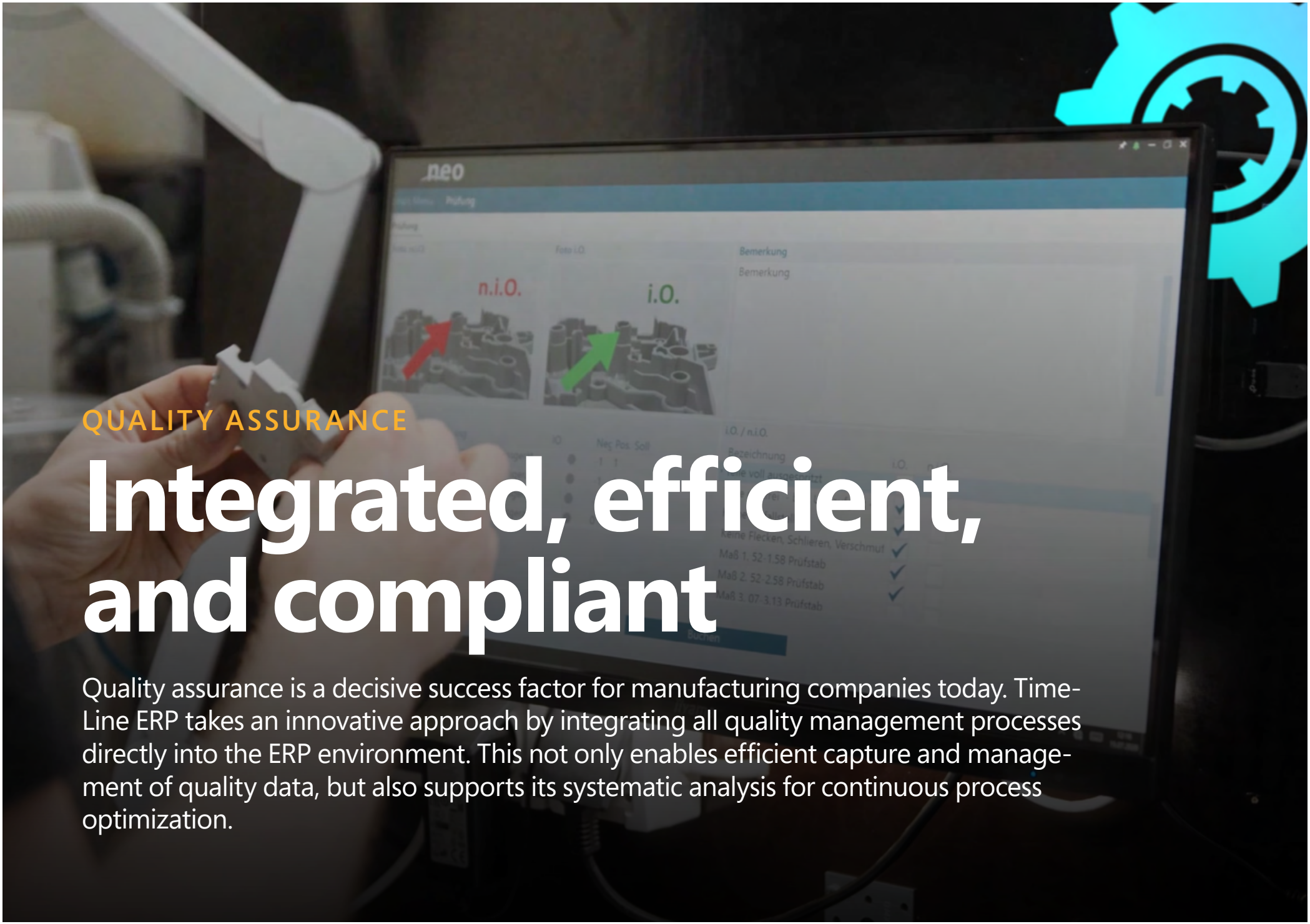
Post-calculation and cost control

A key focus is placed on project-specific post-calculation. Automatic posting of time and material consumption from linked production orders delivers a precise overview of actual project costs. Separate budgeting for milestones enables detailed cost control at every level.

Progress tracking in the Gantt chart

The integration of a progress indicator within the Gantt chart allows intuitive visual monitoring of project status. Project managers can immediately see where a project stands and where action is required.





QUALITY ASSURANCE

Integrated, efficient, and compliant

Quality assurance is a decisive success factor for manufacturing companies today. Time-Line ERP takes an innovative approach by integrating all quality management processes directly into the ERP environment. This not only enables efficient capture and management of quality data, but also supports its systematic analysis for continuous process optimization.

Standard quality management functions

- ✓ Inspection equipment management
- ✓ Inspection equipment capability analysis
- ✓ Production control and inspection plan
- ✓ Inspection orders and inspection order monitor
- ✓ Quality data capture (QDC)
- ✓ Control charts and process capability (Cpk)
- ✓ Complaint handling (8D report)
- ✓ Scrap and blocked quantity recording, defect collection cards
- ✓ Batch traceability (single- and multi-level)
- ✓ Incoming goods inspection
- ✓ FMEA
- ✓ Supplier evaluation

Production control plan (PCP)

The production control plan consolidates all quality-relevant documents within a single central module:

- Routings and inspection plans
- Bills of materials and FMEA
- Inspection instructions with photo documentation
- Technical documentation

Ein besonderer Vorteil: Bei Indexwechseln wird der PKP automatisch auf den neuen Index kopiert. Dies schließt Verwechslungen zwischen alten und neuen Versionen zuverlässig aus. Die lückenlose Rückverfolgbarkeit bis auf Chargenebene erfüllt dabei höchste Qualitätsanforderungen und ist besonders für Automobilzulieferer geeignet.


Regelkarte
Navigator
Prozessfähigkeit
Maschinenfähigkeit
Regelkarte Allgemein
Nr 2
Bezeichnung Innendurchmesser
ArtikelNr. 3000
Werkzeug
Suchwort ZAHNRIEMENRAD
Von Datum 01.01.1900
Bis Datum 27.01.2016
Stempelmass
Statistik
Anz werte 25
Anz n.i.O 0
Anz Messfehler 0
Messwert size 5
Minim 179,50
Maxim 180,50
Range 1,00
Sollwert 180,00
Median
Standardabweichung 0,27
Median Wert 179,94
Moving mean 0,37
Mittelwert 179,95
Var. Koeff. 0,00
CpU 0,53
CpO 0,63
CpK 0,53
PP 0,37
PPK 0,31
Kolmogorov test
Statistik
Messwerte
Wahrscheinlichkeit innerhalb der Normalverteilung
Häufigkeit [Stück]
Häufigkeit [%]
Messwert
Min-Mittelwert-Max
Messwert
Wert-Nr.
OSG
USG
Sollwert
Wahrscheinlichkeitsnetz
P [%]
Messwert
Standardabweichung
Wert-Nr.
Range
Wert-Nr.

1 Production-synchronous inspection

TimeLine ERP fully integrates quality assurance into the production process. With each production order, an inspection order is generated automatically. The software reliably monitors all defined inspection cycles:

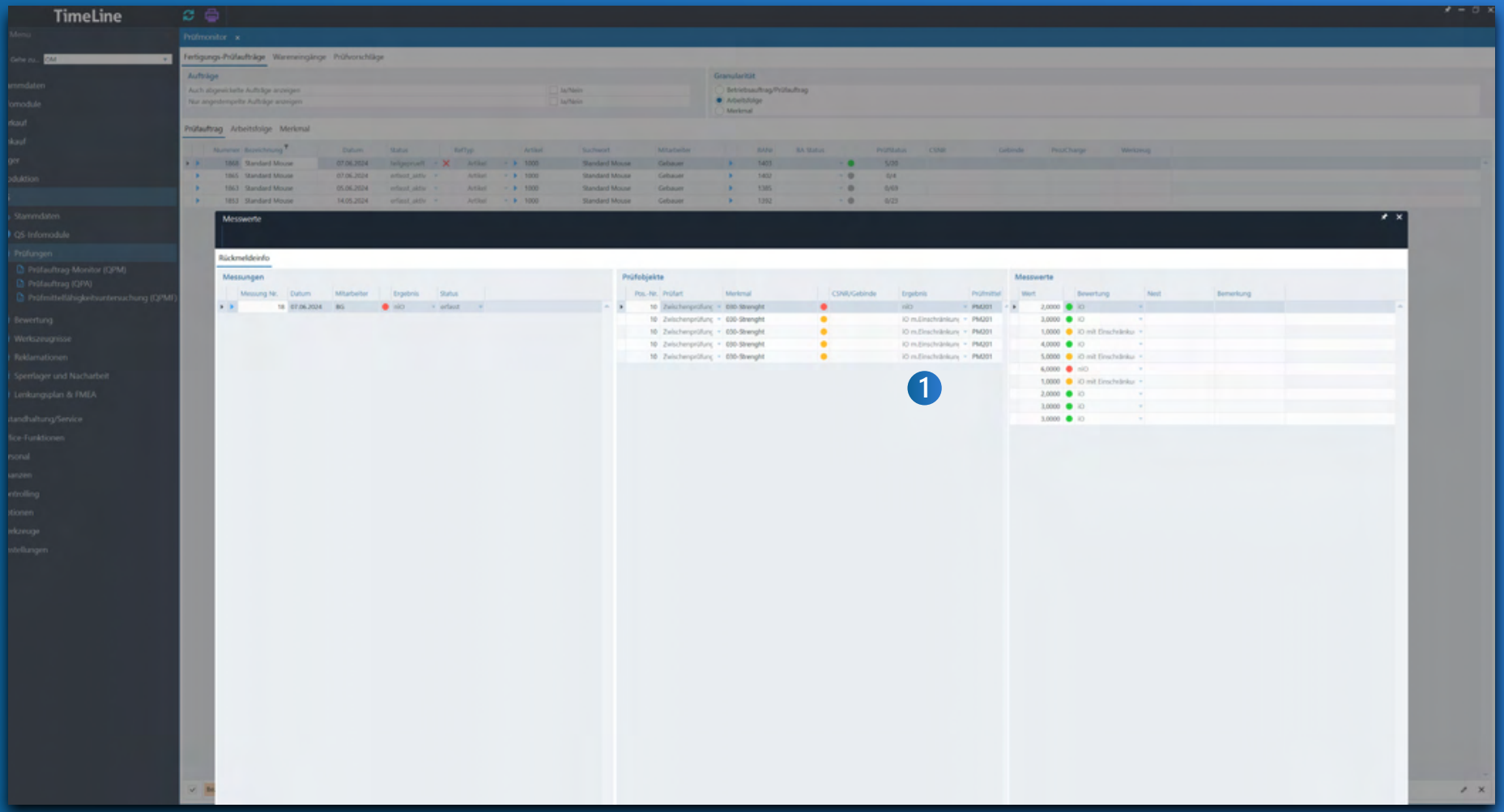
- By quantity
- By time interval
- Per container

The inspection cycle starts automatically with BDE clock-in. Integrated SPC (Statistical Process Control) enables continuous quality monitoring and meets the highest industry standards, particularly for automotive suppliers.

Supplier evaluation

Supplier evaluation in TimeLine ERP goes beyond predefined parameters and also includes individually configurable “hard” and “soft” criteria that can be stored for each supplier using an editor. In addition, TimeLine ERP automatically generates evaluations for delivery reliability, quantity accuracy, complaints, quality performance (PPM), 3D/8D response times, complaint handling, customer support, as well as quality management and environmental certifications.




TimeLine
Prüfmonitor
Fertigungs-Prüfaufträge
Wareneingänge
Prüfvorschläge
Aufträge
Granularität
Prüfauftrag
Arbeitsfolge
Merkmal
Messwerte
Rückmeldeinfo
Messungen
Prüfobjekte
Messwerte
1

1 Incoming Quality Control and Inspection Warehouse Bookings

TimeLine ERP's Incoming Quality Control (IQC) automatically manages the entire inspection process. Upon (Warehouse)Receptions, parts requiring inspection are directly rebooked to the InspectionWarehouse. Following successful inspection, automatic transfer to regular Stocks occurs. For quality Defect(s), parts are automatically rebooked to the BlockedWarehouse, and BlockingCards are generated. This integrated system ensures reliable separation of inspected and uninspected Stocks, plus the secure blocking of defective parts.

Blocking and Rework

TimeLine ERP provides a comprehensive BlockedWarehouse System for maximum quality assurance. Each Booking into the BlockedWarehouse automatically generates a BlockingCard, functioning like a Relocation DeliveryNote. Blocked items can only be issued via these BlockingCards or specific ReworkOrders (ProductionOrders). A dedicated order type is available for Rework, enabling the Recharge of blocked goods back to regular Stocks using cyclical BOMs. If needed, BlockingCards can also be created manually. A clear BlockedWarehouse view provides real-time information on BlockedStocks and their status.

Complaint Management

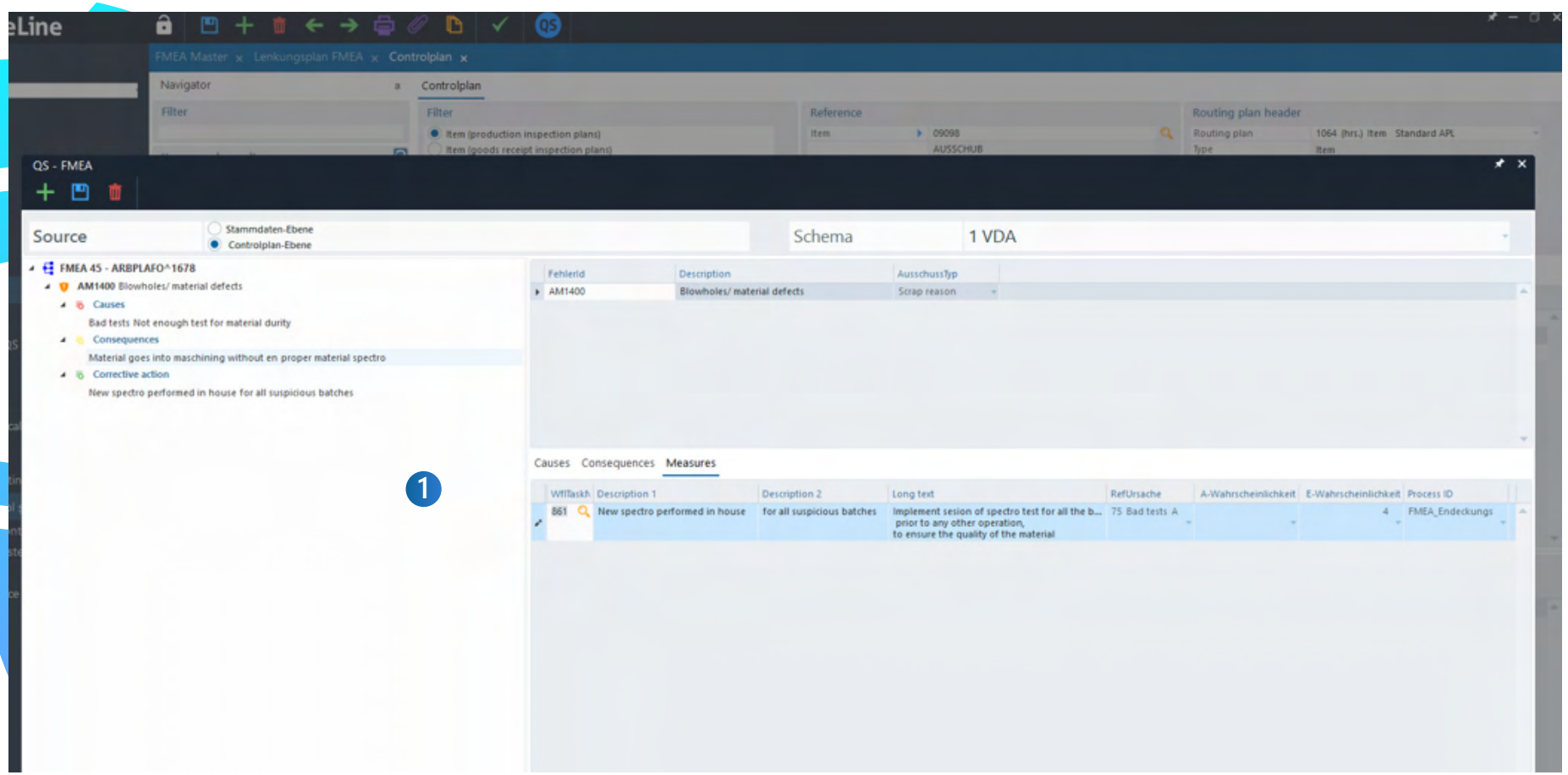
The new Complaint Management facilitates seamless tracking of quality problems. The Action Monitor offers a complete overview of all ongoing Measures. Claimed parts are automatically booked to the BlockedWarehouse and managed via BlockingCards. Integration of 3D to 8D Reports supports systematic problem solving.

1 Preventive quality management

The new FMEA editor is directly integrated into production planning. Failure modes and corrective actions are managed centrally and linked via operation IDs. The multi-level control plan is automatically generated from inspection plans, enabling preventive quality management already during the planning phase.

Tools for quality inspection

- ✓ Mill certificates with automatic email dispatch
- ✓ Enhanced inspection monitor with selective display
- ✓ Optimized sample size calculation
- ✓ Standardized control charts

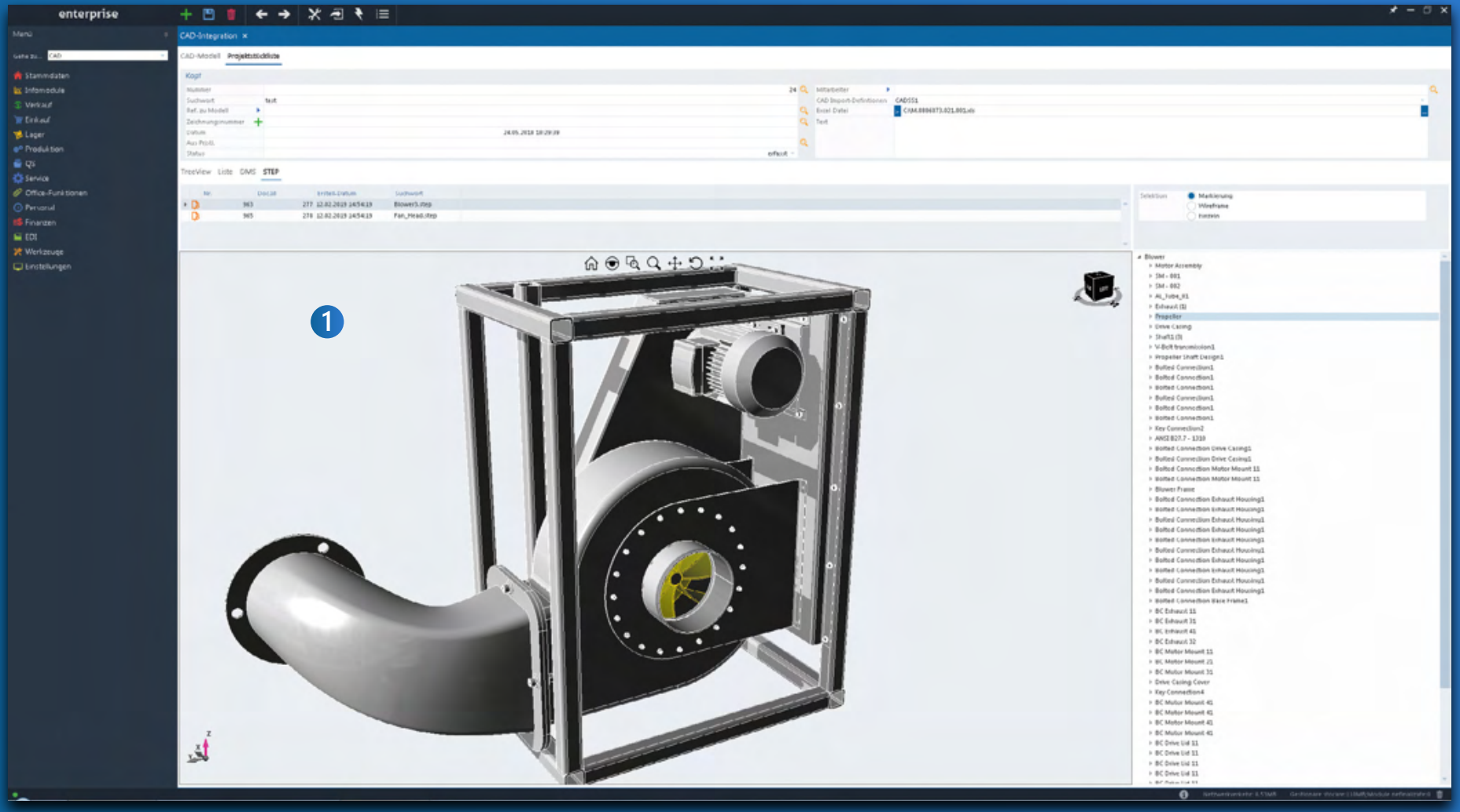




CAD INTEGRATION

When design and ERP become one

The seamless integration of design and manufacturing is the key to efficient production processes. When CAD data and the ERP system work in perfect harmony, end-to-end workflows are created without media disruptions. TimeLine ERP makes this possible: with its advanced CAD integration, the worlds of design and manufacturing merge into a single intelligent unit.


enterprise
CAD-Integration
1

Bidirectional CAD integration

TimeLine ERP connects the worlds of design and manufacturing in a fully integrated solution. The system reads bills of materials and metadata directly from 3D models and synchronizes them automatically in both directions. Design nodes are transferred as items with complete BOMs and remain consistently synchronized, both technically and in terms of revision status.

Versioning and revision control

1

End-to-end revision management ensures the highest level of data security. With every change, TimeLine automatically creates the required item and PDM file revisions. This guarantees revision-safe inventory management and reliable spare parts availability through transparent version control.

Import of supplier and standard part catalogs

The flexible import function enables targeted integration of external data. Supplier catalogs and standard part databases can be easily integrated into the system. Controlled item creation ensures that you retain full control over your data at all times.

Intelligent data import

The flexible mapping mechanism makes integration particularly efficient. Technical properties are transferred precisely into the item master and attribute lists using formula-based assignments. IntelliSense-supported formula creation allows customization to meet your specific requirements.

Integrated 3D visualization

TimeLine provides integrated visualization of neutral 3D formats such as STEP and IGES, without the need for additional CAD licenses or external viewers.

Autodesk Inventor plug-in

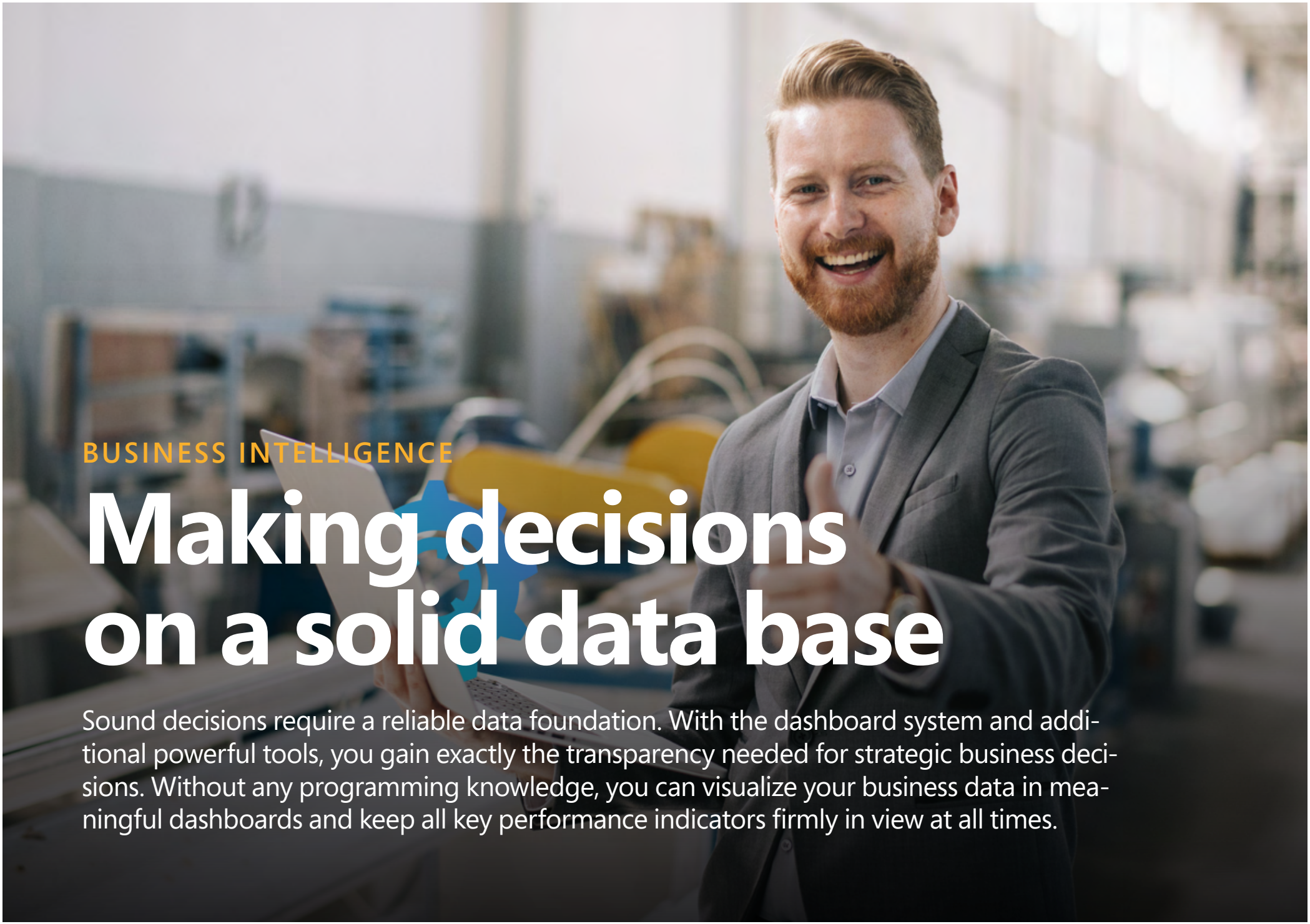
The plug-in for Autodesk Inventor enables direct interaction with TimeLine from within the CAD application. Designers can edit all master data directly in their familiar design environment without launching TimeLine separately. The plug-in displays the complete project BOM structure from TimeLine and allows direct operations within TimeLine without leaving Inventor.

PRODUCT DATA MANAGEMENT

Integrated PDM system for end-to-end processes

TimeLine ERP integrates a powerful PDM system directly into the ERP environment. All production-relevant data is managed exactly where it is needed, within your ERP system. Standard adapters for leading CAD systems such as Autodesk Inventor, Autodesk Vault, SOLIDWORKS, and EPLAN enable seamless integration of the engineering department.

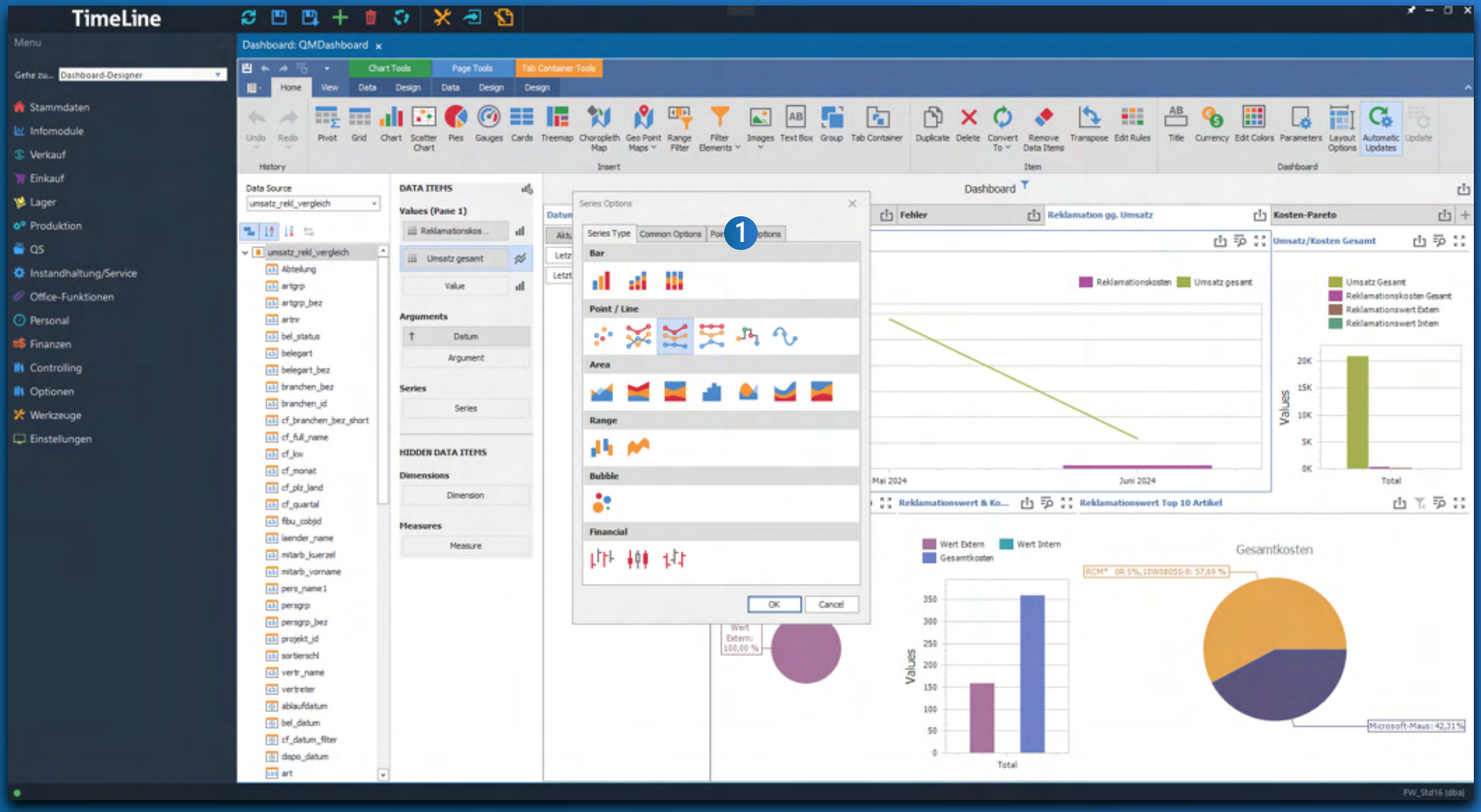




BUSINESS INTELLIGENCE

Making decisions on a solid data base

Sound decisions require a reliable data foundation. With the dashboard system and additional powerful tools, you gain exactly the transparency needed for strategic business decisions. Without any programming knowledge, you can visualize your business data in meaningful dashboards and keep all key performance indicators firmly in view at all times.


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Dashboard: QMDashboard
Stammdaten
Infomodule
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Finanzen
Controlling
Optionen
Werkzeuge
Einstellungen
Chart Tools
Page Tools
Tab Container Tools
Home
View
Data
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Grid
Chart
Scatter Chart
Pies
Gauges
Cards
Treemap
Choropleth Map
Geo Point Maps
Range Filter
Filter Elements
Images
Text Box
Group
Tab Container
Duplicate
Delete
Convert To
Remove Data Items
Transpose
Edit Rules
Title
Currency
Edit Colors
Parameters
Layout Options
Automatic Updates
Update
History
Insert
Item
Dashboard
Data Source
umsatz_rekl_vergleich
DATA ITEMS
Values (Pane 1)
Reklamationskos...
Umsatz gesamt
Value
Arguments
Datum
Argument
Series
Series
HIDDEN DATA ITEMS
Dimensions
Dimension
Measures
Measure
Series Options
Series Type
Common Options
1
Bar
Point / Line
Area
Range
Bubble
Financial
OK
Cancel
Dashboard
Fehler
Reklamation gg. Umsatz
Kosten-Pareto
Umsatz/Kosten Gesamt
Reklamationskosten
Umsatz gesamt
Umsatz Gesamt
Reklamationskosten Gesamt
Reklamationswert Extern
Reklamationswert Intern
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Total
Mai 2024
Juni 2024
Reklamationswert & Ko...
Reklamationswert Top 10 Artikel
Wert Extern
Wert Intern
Gesamtkosten
Gesamtkosten
Microsoft-Maus: 42,31%

DASHBOARDS

Flexible data views

The new no-code dashboard system transforms the way you visualize your business data. The integrated WYSIWYG designer enables even users without IT expertise to create professional dashboards. Preconfigured templates further accelerate setup.

Versatile data integration and visualization

1 In addition to TimeLine data, external sources such as Excel spreadsheets or OLAP data can be seamlessly integrated. A wide range of visualization types, from classic pivot tables to modern treemaps and geopoint maps, ensures optimal presentation of your key figures.

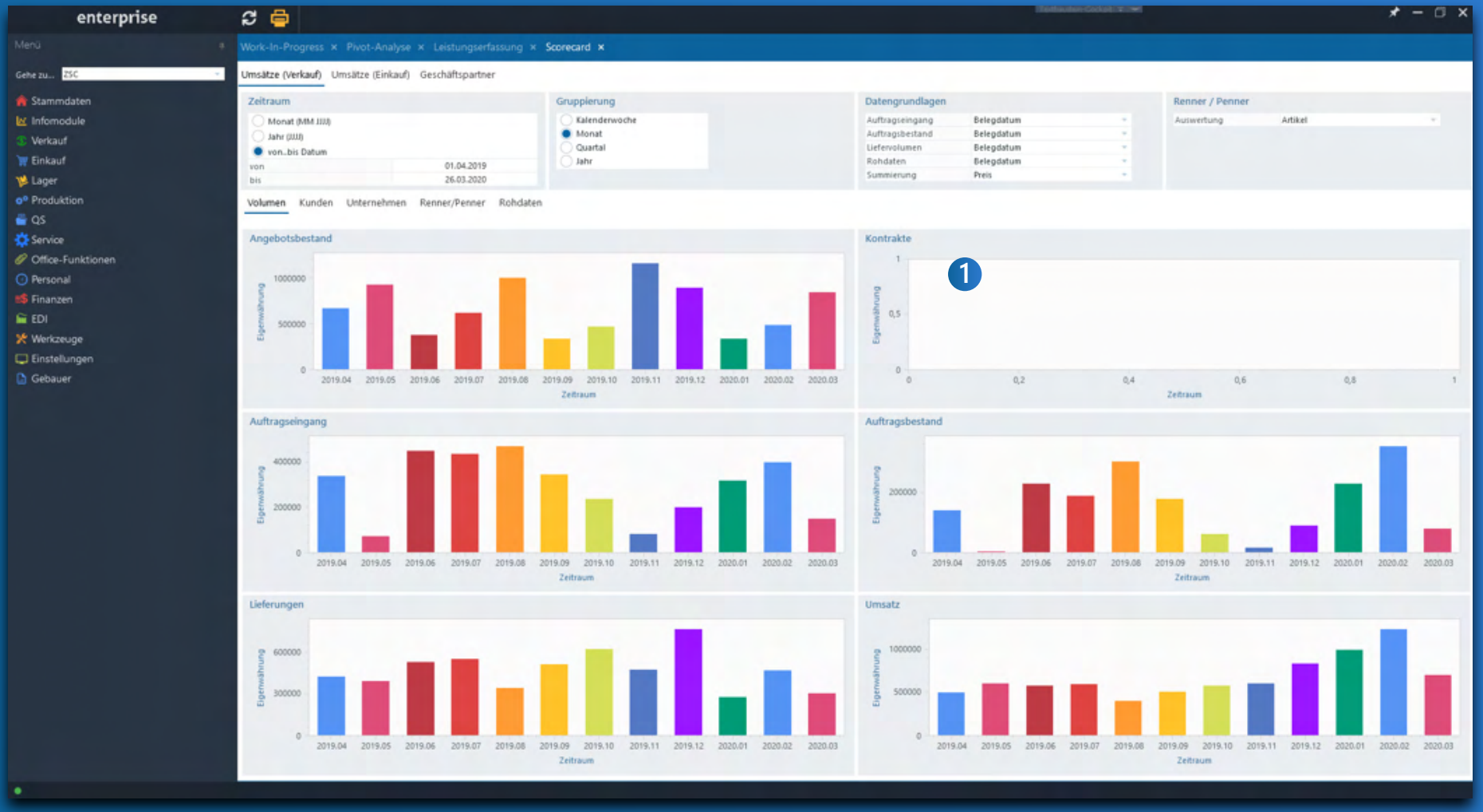
Balanced scorecard for a complete overview

The flexible balanced scorecard provides all relevant business KPIs at a glance. You decide which metrics to monitor, from standard values to individually defined indicators. Target-versus-actual comparisons and flexible periodization enable precise business control.

Key figures in detail

Order intake, order backlog, and revenue development are presented transparently. Intelligent pivot functionality allows large data volumes to be clearly aggregated and, when required, explored in detail.




enterprise
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EDI
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Einstellungen
Gebauer
Work-In-Progress
Pivot-Analyse
Leistungserfassung
Scorecard
Umsätze (Verkauf)
Umsätze (Einkauf)
Geschäftspartner
Zeitraum
Monat (MM.JJJJ)
Jahr (JJJJ)
von..bis Datum
von
01.04.2019
bis
26.03.2020
Gruppierung
Kalenderwoche
Monat
Quartal
Jahr
Datengrundlagen
Auftragseingang
Belegdatum
Auftragsbestand
Belegdatum
Liefervolumen
Belegdatum
Rohdaten
Belegdatum
Summierung
Preis
Renner / Penner
Auswertung
Artikel
Volumen
Kunden
Unternehmen
Renner/Penner
Rohdaten
Angebotsbestand
Kontrakte
1
Auftragseingang
Auftragsbestand
Lieferungen
Umsatz
Eigenwährung
Zeitraum

BOSS INFO

Detailed business figures at a glance

The boss info function in TimeLine ERP provides decision-makers with a comprehensive overview of all business-critical key figures. With the latest version, all business activities, from quotations and order backlogs through to revenue, can be analyzed within a single central overview.

Flexible analysis options

The intelligent drill-down function allows deep insight into individual key figures. Data can be broken down by various criteria such as items, customers, item groups, or document types.

Integration with business intelligence

1. As part of the BI toolkit, Chefinfo complements the analytical capabilities of the balanced scorecard. Key figures are displayed in configurable views that can be adapted to individual information requirements without any programming knowledge.





OFFICE FUNCTIONS

The smart office within the ERP system

The integration of document management, email, calendar, and task management into a single system transforms the way companies handle administrative tasks. With TimeLine ERP, the need to use multiple separate systems becomes obsolete, resulting in a holistic and efficient solution.

DOCUMENT MANAGEMENT

Your digital document hub

The integrated document management system of TimeLine ERP brings all your business documents together in a central, secure solution. Seamless integration into the ERP software streamlines administrative processes and connects business documents, email correspondence, and scheduling into a single, efficient system.

Meaningful connections

Maximum flexibility in document management: from photos and technical drawings to office documents, every file can be directly linked to the relevant business objects. Whether orders, purchase orders, customers, items, or production orders, intelligent tagging ensures all documents can be found instantly via full-text search. Time-consuming searches through nested folder structures are a thing of the past.

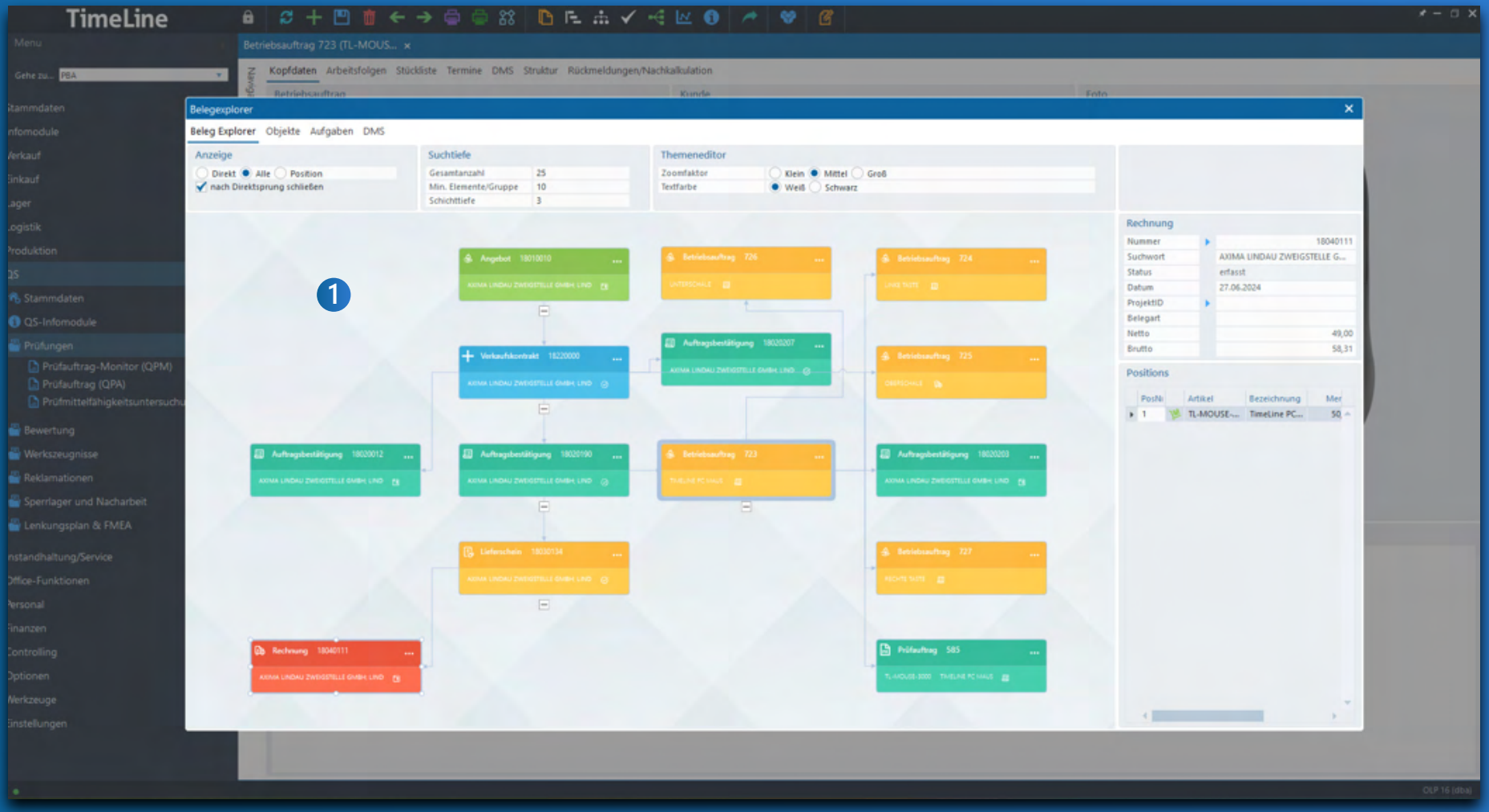
Smart email management

The system automatically imports and archives incoming and outgoing emails, including attachments. Incoming messages are identified by email address and assigned directly to the corresponding business partner.

Flexible document processing

- Automatic import from monitored directories
- Intuitive drag-and-drop via Windows Explorer
- Intelligent tagging of all documents
- Optional barcode recognition for automatic linking to projects, items, or customers




TimeLine
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Stammdaten
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Produktion
QS
Stammdaten
QS-Infomodule
Prüfungen
Prüfauftrag-Monitor (QPM)
Prüfauftrag (QPA)
Prüfmittelfähigkeitsuntersuchu
Bewertung
Werkszeugnisse
Reklamationen
Sperrlager und Nacharbeit
Lenkungsplan & FMEA
Instandhaltung/Service
Office-Funktionen
Personal
Finanzen
Controlling
Optionen
Werkzeuge
Einstellungen
Betriebsauftrag 723 (TL-MOUS...
Kopfdaten
Arbeitsfolgen
Stückliste
Termine
DMS
Struktur
Rückmeldungen/Nachkalkulation
Belegexplorer
Beleg Explorer
Objekte
Aufgaben
DMS
Anzeige
Direkt
Alle
Position
nach Direktsprung schließen
Suchtiefe
Gesamtanzahl
25
Min. Elemente/Gruppe
10
Schichttiefe
3
Themeneditor
Zoomfaktor
Klein
Mittel
Groß
Textfarbe
Weiß
Schwarz
1
Angebot 18010010
Betriebsauftrag 726
Betriebsauftrag 724
Verkaufskontrakt 18220000
Auftragsbestätigung 18020207
Betriebsauftrag 725
Auftragsbestätigung 18020012
Auftragsbestätigung 18020190
Betriebsauftrag 723
Auftragsbestätigung 18020203
Lieferschein 18030134
Betriebsauftrag 727
Rechnung 18040111
Prüfauftrag 585
Rechnung
Nummer
18040111
Suchwort
AXIMA LINDAU ZWEIGSTELLE G...
Status
erfasst
Datum
27.06.2024
ProjektID
Belegart
Netto
49,00
Brutto
58,31
Positions
Posit.
Artikel
Bezeichnung
Mer
1
TL-MOUSE-...
TimeLine PC...
50

Networked organization

Multi-linking allows documents to be assigned to multiple contexts at the same time. For example, a complaint email can be stored with the customer, the corresponding project, and the complaint itself.

Security and availability

A separate, protected file system on the DMS server ensures maximum security. At the same time, your documents remain available anytime and anywhere via web access. The integrated check-out system enables secure document editing both online and offline, with subsequent updates through check-in.

Clear document management

1

The innovative document explorer visualizes all document relationships within a process. This clear presentation allows you to view and manage all DMS documents related to a transaction at a glance. Cross-process document management increases transparency and accelerates your business workflows.



TOKENIZER

Intelligent document recognition powered by AI

The innovative Tokenizer revolutionizes document processing through the automatic recognition and handling of business documents. From purchase orders to incoming invoices, the system independently analyzes incoming documents and converts them into TimeLine document line items.

Intelligent document processing

The new AI-based Tokenizer automates document workflows from the ground up. From incoming emails through to invoice verification, the entire process runs fully automatically. Integrated pre-document recognition with intelligent PDF analysis and automatic pre-accounting further optimizes your business processes.

User-friendly post-processing

The enhanced editor in the ERG module allows effortless editing of pre-accounted documents. Recognized data can be easily transferred into TimeLine documents such as customer orders or incoming invoices. This seamless integration ensures an end-to-end, efficient document flow throughout your organization.



EMAIL SYSTEM

Seamless integration

The email client is fully integrated into your business processes and enables effortless sending of all essential business documents, from order confirmations and invoices to reminders. All data and documents are centrally available within the system, eliminating the need to maintain separate folder structures.

Central mail server

The integrated mail client with its own server ensures reliable email delivery and automatic retrieval of all registered email accounts via the TimeLine IMAP adapter. Connections can be established either through a predefined mail server such as Exchange or directly via your internet provider's mail server.

Smart tagging

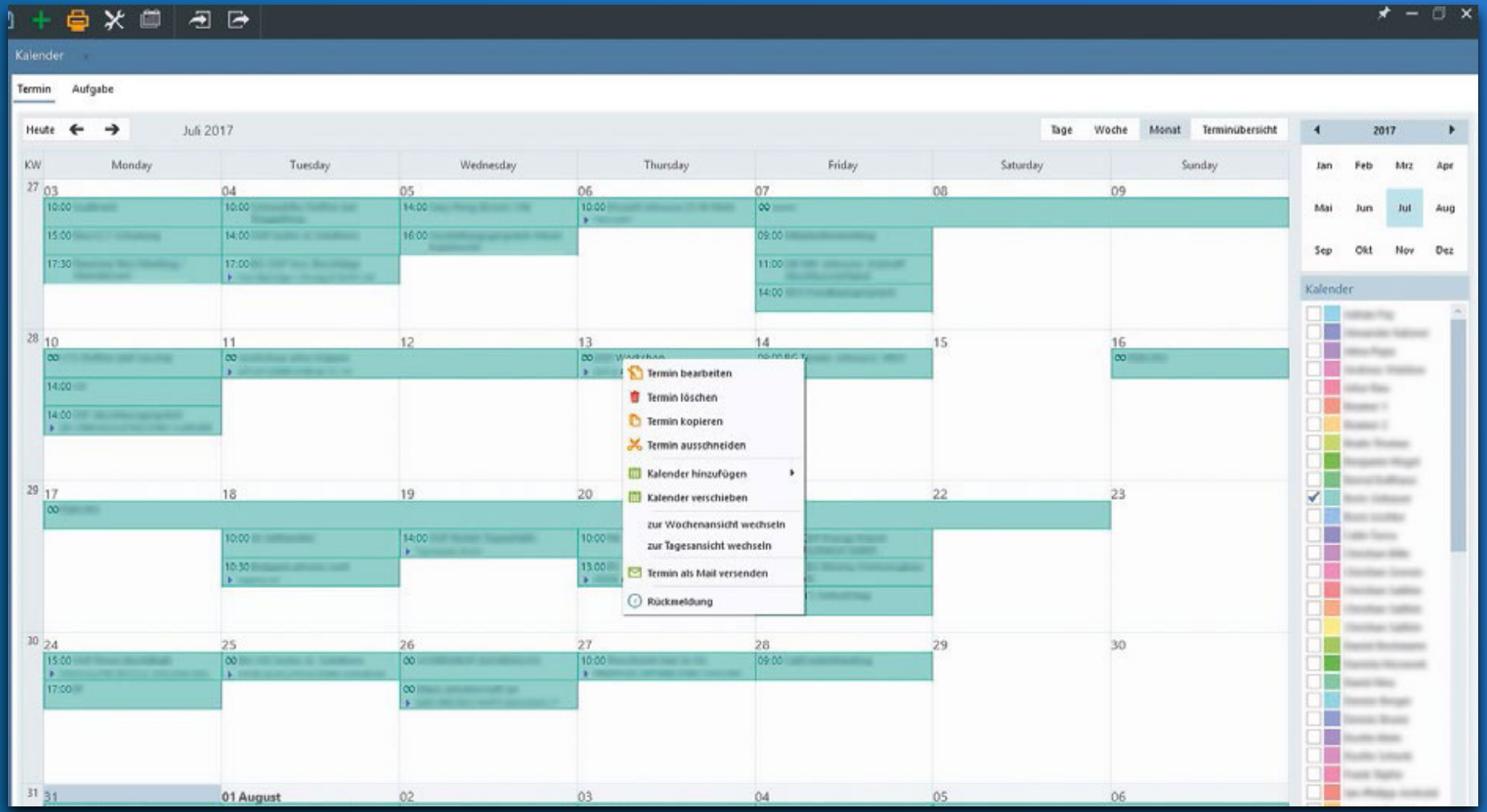
The innovative tagging system automatically links emails to relevant business objects such as complaints or projects. A continuous full-text search runs in the background, ensuring fast and easy retrieval.

Intelligent import

Incoming emails are automatically identified, imported, tagged, and assigned to the corresponding business partner within the ERP system. Manual handling of emails and attachments is completely eliminated.

Team-oriented features

Rights management enables cross-departmental use of shared mailboxes. Teams benefit from easy sharing of collective inboxes, automatic email filing, and flexible substitution rules. Exchange integration also allows selective folder synchronization for more efficient data management.


Kalender
Termin
Aufgabe
Heute
Juli 2017
Tage
Woche
Monat
Terminübersicht
KW
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday
01 August
Termin bearbeiten
Termin löschen
Termin kopieren
Termin ausschneiden
Kalender hinzufügen
Kalender verschieben
zur Wochenansicht wechseln
zur Tagesansicht wechseln
Termin als Mail versenden
Rückmeldung
2017
Jan
Feb
Mrz
Apr
Mai
Jun
Jul
Aug
Sep
Okt
Nov
Dez
Kalender

CALENDAR INTEGRATION

Optimized scheduling and project control

The fully integrated calendar offers flexible daily, weekly, and monthly views for optimal capacity planning. A practical recurring appointment assistant and integrated task management ensure that no deadline is missed.

Resource management

The calendar manages not only employee appointments, but also the allocation of machines, vehicles, and meeting rooms. All appointments are automatically linked to the relevant business partners and can be viewed directly within the customer history.

Task management

Tasks can be planned via drag and drop, assigned time targets, and tracked. Calendar entries can be used to directly generate delivery notes or invoices for rentals and employee services.

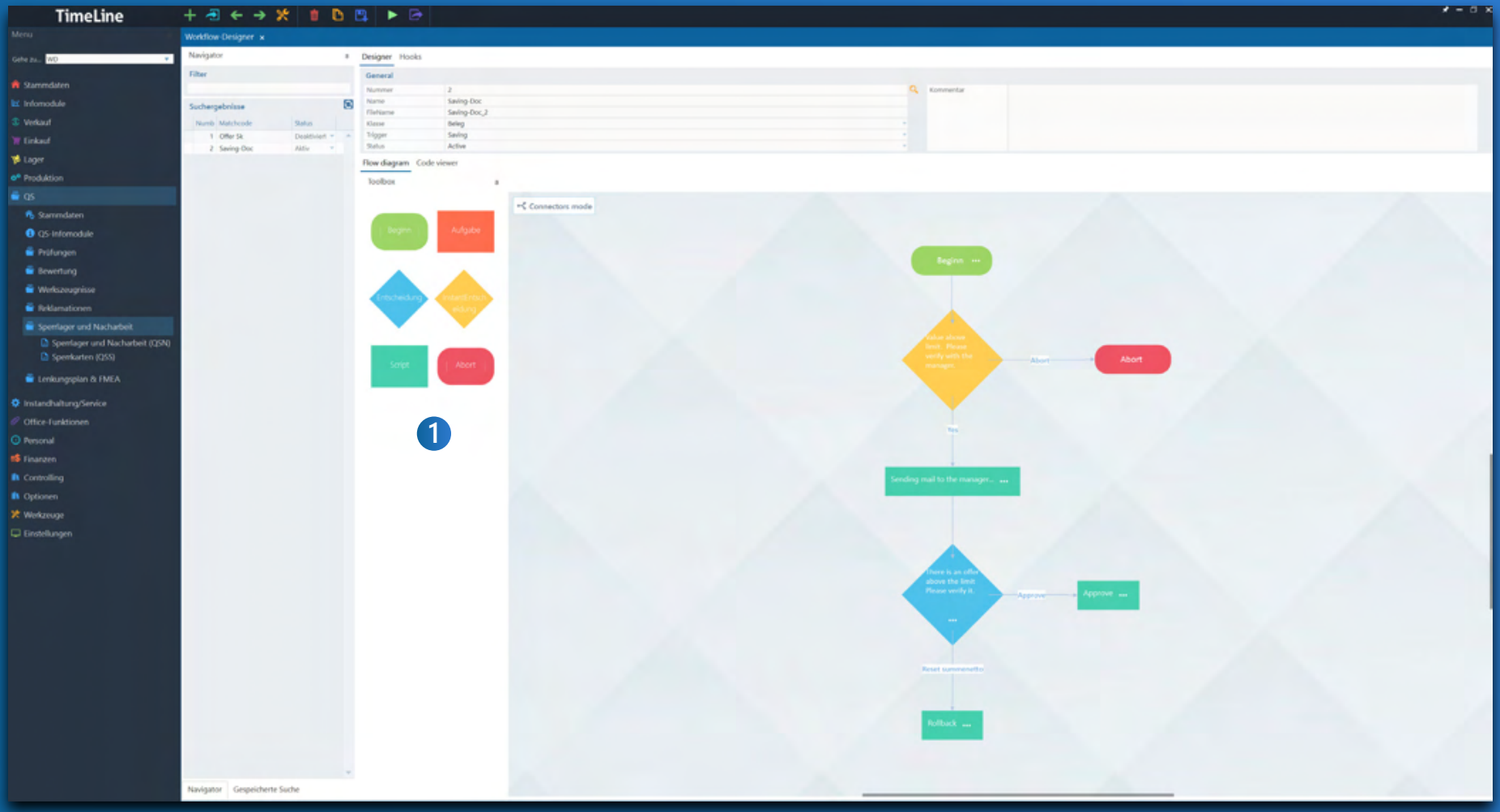
Synchronization

The TimeLine Server acts as a central backend for all calendars, whether on smartphones, tablets, or in Outlook. Via the CalDAV interface, all appointments are automatically synchronized across connected devices.

Project integration

Project tasks are seamlessly integrated into the calendar and automatically transferred to employees' mobile devices. This enables efficient scheduling for field service and support teams.




TimeLine
Workflow-Designer
Navigator
Designer
Hooks
General
Flow diagram
Code viewer
Toolbox
Connectors mode
Begin
Abort
Sending mail to the manager...
Approve
Rollback
Navigator
Gespeicherte Suche

WORKFLOWS

Process automation

Design your business processes flexibly and efficiently with the new graphical workflow designer in TimeLine ERP. From visual process modeling through to technical implementation, you retain full control over your operational workflows.

1 Intelligent process control

The new graphical workflow designer transforms the way business processes are designed. With the integrated workflow engine, workflows are created and managed directly within the system, intuitively and without detours. The visual representation of complex processes makes even sophisticated workflows transparent and easy to manage.

Professional development environment

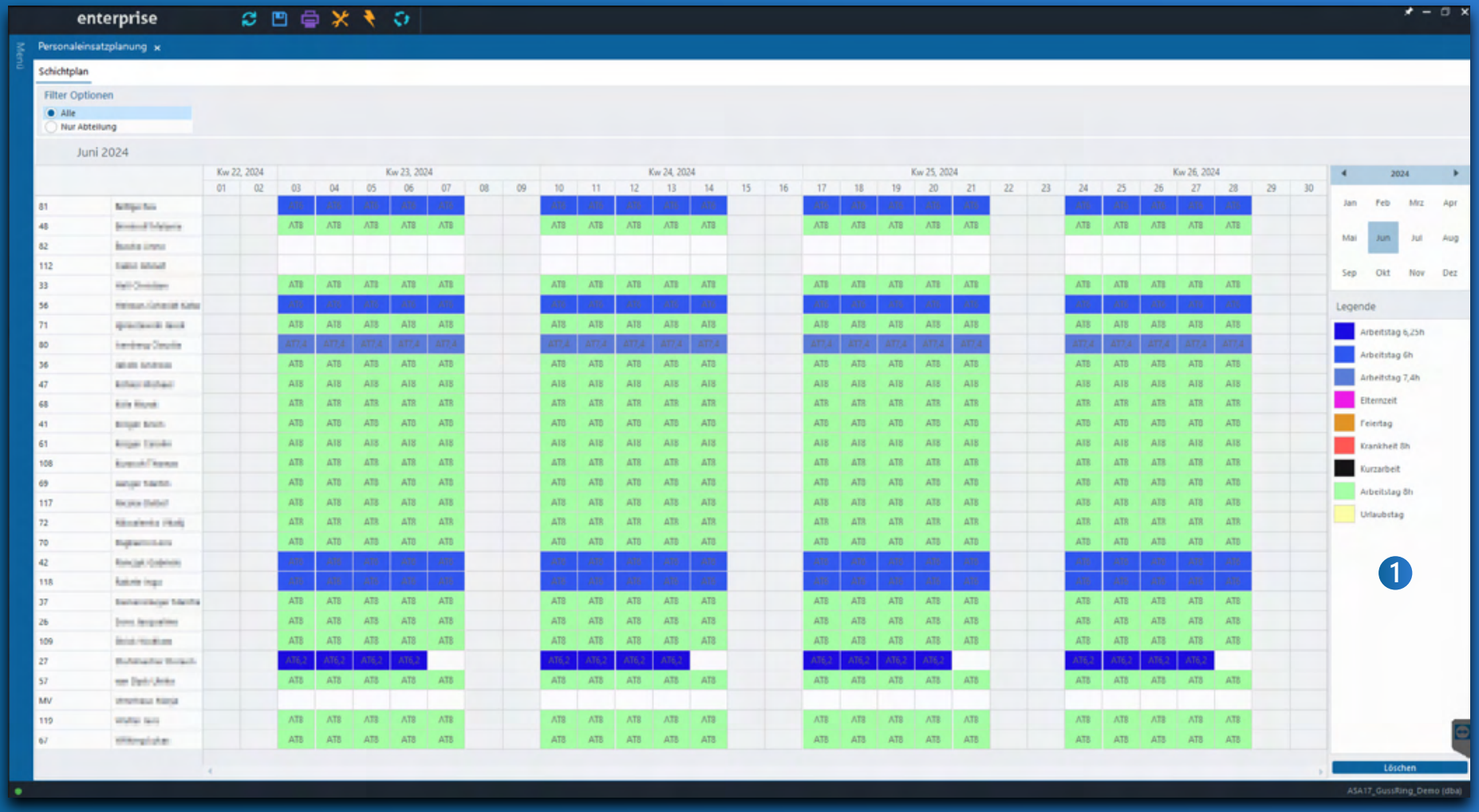
The integrated code editor with IntelliSense technology significantly accelerates development work. Workflow-specific snippet support enables efficient implementation of even complex process flows. Intelligent auto-completion reduces development effort and minimizes potential sources of error.

Maximum adaptability

Direct access to all business class elements allows standard processes to be precisely adapted to individual requirements. This deep level of integration makes it possible to optimize business logic down to the finest detail and tailor it exactly to your company's needs.

Flexible status control

Maintain full control over processes with freely definable workflow statuses. Whether automated through workflows or managed manually, you define the rules. Targeted locking mechanisms, such as print locks in documents, can be implemented to control access rights precisely in line with your security requirements.


enterprise
Menü
Personaleinsatzplanung
Schichtplan
Filter Optionen
Alle
Nur Abteilung
Juni 2024
Kw 22, 2024
Kw 23, 2024
Kw 24, 2024
Kw 25, 2024
Kw 26, 2024
2024
Jan Feb Mrz Apr
Mai Jun Jul Aug
Sep Okt Nov Dez
Legende
Arbeitstag 6,25h
Arbeitstag 6h
Arbeitstag 7,4h
Elternzeit
Feiertag
Krankheit 8h
Kurzarbeit
Arbeitstag 8h
Urlaubstag
1
Löschen
ASA17_GussRing_Demo (dba)

WORKFORCE PLANNING

Strategic workforce control

With workforce planning in TimeLine ERP, you define shifts and working hours precisely according to your requirements. The system provides a clear overview of which employee is scheduled in which shift and when.

Flexible time models

- Individual time types such as half-day leave, time compensation, special leave, or vocational school
- Management of vacation and sick days
- Automatic consideration of public holidays by federal state

1 Integrated reporting

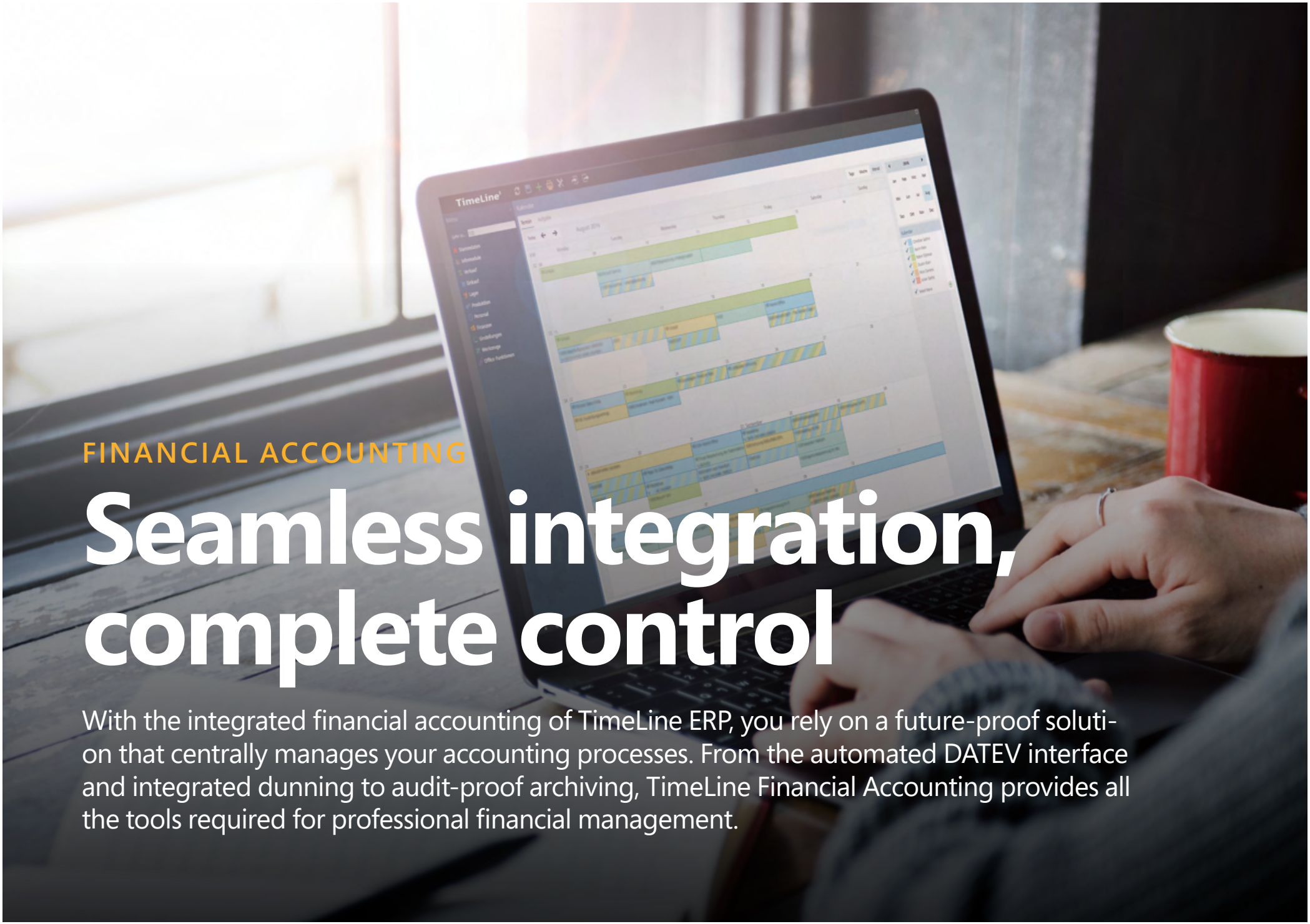
Workforce planning includes evaluations with direct comparison of planned and actual working times. Overlapping absence periods are clearly visible, allowing you to take corrective action at an early stage.

Shift management

- Creation of any number of shift types
- Rolling weekly schedules for recurring shift patterns
- Fast generation of shift plans for multiple employees

Simple data transfer

Flexible data export enables seamless transfer to common payroll systems such as DATEV, optionally in Excel or CSV format. Manual data transfers are no longer required.



FINANCIAL ACCOUNTING

Seamless integration, complete control

With the integrated financial accounting of TimeLine ERP, you rely on a future-proof solution that centrally manages your accounting processes. From the automated DATEV interface and integrated dunning to audit-proof archiving, TimeLine Financial Accounting provides all the tools required for professional financial management.

Efficient processes through complete integration

Benefit from seamless integration of all business transactions directly from the ERP system, automated posting processes, and a well-designed approach to digital document processing. The modern, intuitive user interface makes daily work both efficient and user-friendly.

Core functions

- Fully integrated financial accounting with automatic posting from all ERP modules
- Flexible posting options for manual and automated entries
- Comprehensive open item management with automatic OP handling
- Multi-currency support with automatic currency conversion

Payments and banking

- SEPA and EBICS integration for electronic payment transactions
- Automatic bank reconciliation and import of bank statements
- Intelligent payment proposals and dunning

Analysis and reporting

- Extensive standard reports such as BWA, profit and loss, and balance sheet
- Integrated VAT advance return with ELSTER interface
- Automatic DATEV interface for collaboration with tax advisors

Key strengths

- Audit-proof accounting through journalization
- Multi-client and multi-site capability
- Full integration across all TimeLine ERP modules
- Intuitive operation with a modern user interface



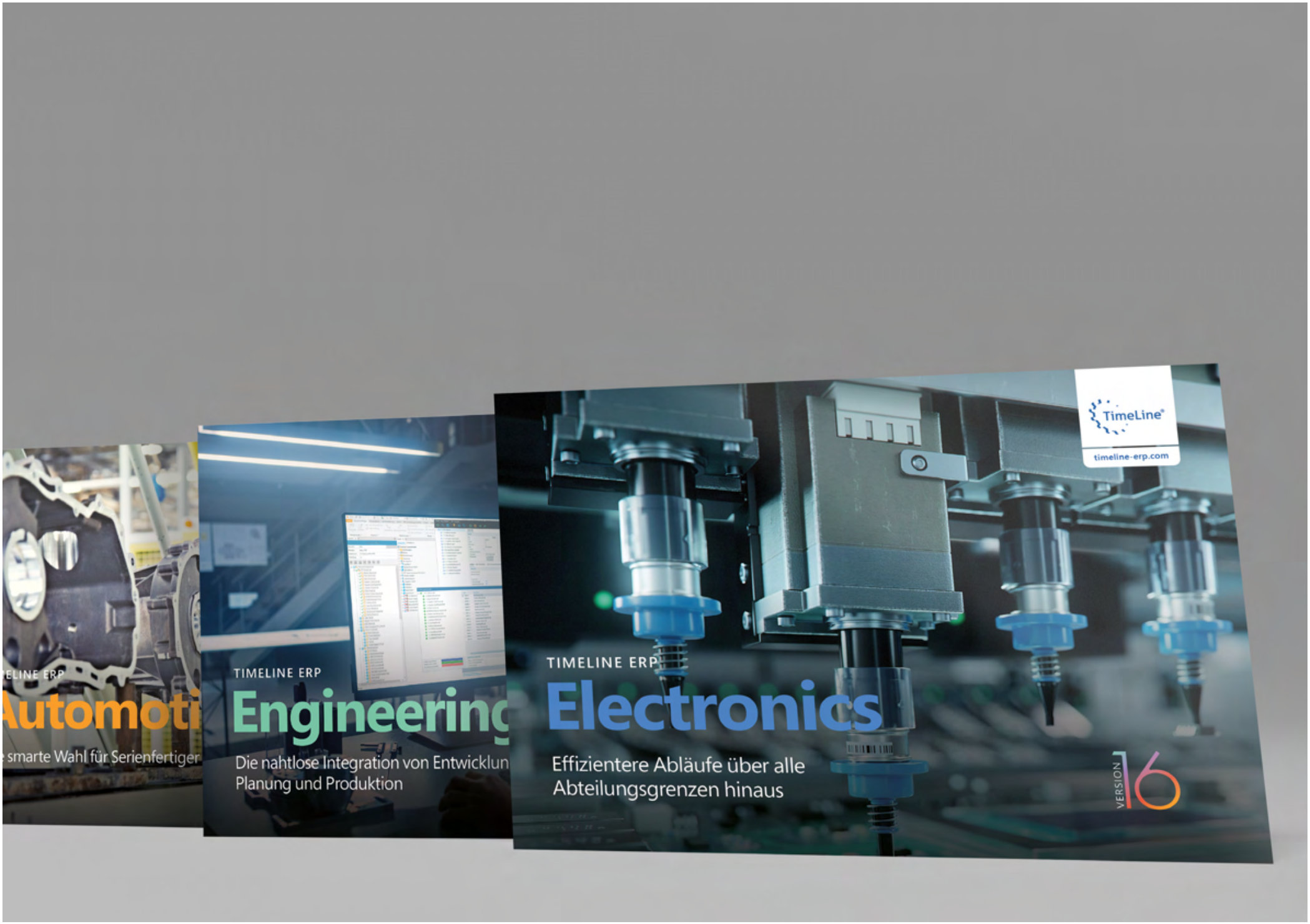
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With our regularly scheduled webinars, you can experience the full functionality and application possibilities of TimeLine ERP live in just 60 minutes.

Onlinepresentation

The fastest way to get to know TimeLine ERP. An expert will guide you through the software's features and discuss your individual requirements and questions with you.

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