

# TimeLine ERP

## SURFACE

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### THE INNOVATIVE ERP SYSTEM FOR SURFACE AND ELECTROPLATING TECHNOLOGY

Scrap Management

Frame Management

Shorter Document Processing

Error Collection Chart

Production Planning and Calculation

Document Management and Email Server

Customer Information Portal Web Server





TimeLine Surface supplements the TimeLine ERP system with industry-specific functionalities for surface coaters, galvanizers, metalworkers and other contract manufacturing companies.

TimeLine covers all business management functions in the administration and production in a closed, interface-free solution. It includes not only the classic PPS functions, but also the complete range of commercial modules: financial accounting, cost accounting, asset accounting, payroll accounting, staff time recording and a fully integrated document management and email system.

Moreover, TimeLine Surface also covers all relevant QA requirements, which are becoming increasingly important, particularly in the wider automotive manufacturing sector.

Another unique aspect is the integrated document and workflow foundation, which incorporates email, calendar, task and document management in the TimeLine ERP system. Incoming emails are automatically imported via the IMAP adapter, indexed by keyword and allocated to customers and business partners; outgoing emails are created directly in the integrated email editor with full access to all business partners. The DMS system permits automatic document import, or you can simply import the document via drag-and-drop. Barcode OCR, full text search, categorisation and inplace viewer from the state-of-the-art e3 platform leave nothing to be desired.

## INDUSTRY MODULES for Your Core Processes

 **Scrap Management**

 **Frame Management**

 **Shorter Document Processing**  
Incoming and Outgoing Goods

 **Error Collection Charts**

**Optional One-Stage Production Processing**

 **Process Instructions**  
Data Sheets

**Electroplating Planning**  
Goods Carrier Planning

## BASIC MODULE

**Merchandise Management**  
Including purchasing and sales, MRP run and drawing management

 **Production**  
Including work plans and bills of material, as well as feed-back and reworking

## RECOMMENDATION for Additional Modules

**Call-ups and Detailed Call-ups**

**Logistics and Dispatch**  
Empties and packaging management, dispatch processing, container management, RDT modules, customs clearance

**Multi-Warehouse Management**  
Chaotic warehousing, batch and container management

**Inventory**

**Planning**  
Visual Rough and Detail Planning

**External Production**  
Extended workbench

**Quality Assurance**  
Test Equipment Management, Monitoring and Control Plans, Test Orders, Incoming Goods Inspection, Measured Value Recording, Factory Certifications, Control Charts, QDas Interface, Supplier Evaluation, Complaint Processing, FMEA, BABTEC Interface, Böhme & Weihs Interface, APQP Project Management, Ishikawa/5-Why

**Preliminary and Post Calculation**

**Operating Data Recording**  
PTR, PDA, SDA, QDA, Mobile Data Recording

**OP Management and Dunning**

**MIS Tool Kit**  
Generic Analysis Module

## ADDITIONAL MODULES e3 platform

**CRM**  
CRM, mobile CRM app, opportunities and follow-ups, offers with integrated text processing

 **Email and Document Management**

**Project Management and APQP**

**Balanced Scorecard / Management Information System**

## CUSTOMER INFORMATION PORTAL Web Server

Email your customers a link that they can use to receive permanent online access to the processing status of their order items. This will save you at least 10 phone calls each day.

You can find more information at:  
[www.timeline-erp.de](http://www.timeline-erp.de)

# SCRAP, BLOCKED QUANTITIES and Rework

**Scrap inventory managed:**

- Any number of reasons for scrap, divided into material defects and processing errors
- Scrap is stocked and ready for delivery
- Statistics broken down by item, order, cause, period
- Pareto analysis for scrap and downtimes

**Blocked quantities neatly separated:**

- Separate recording of OK goods, blocked quantities and scrap quantities

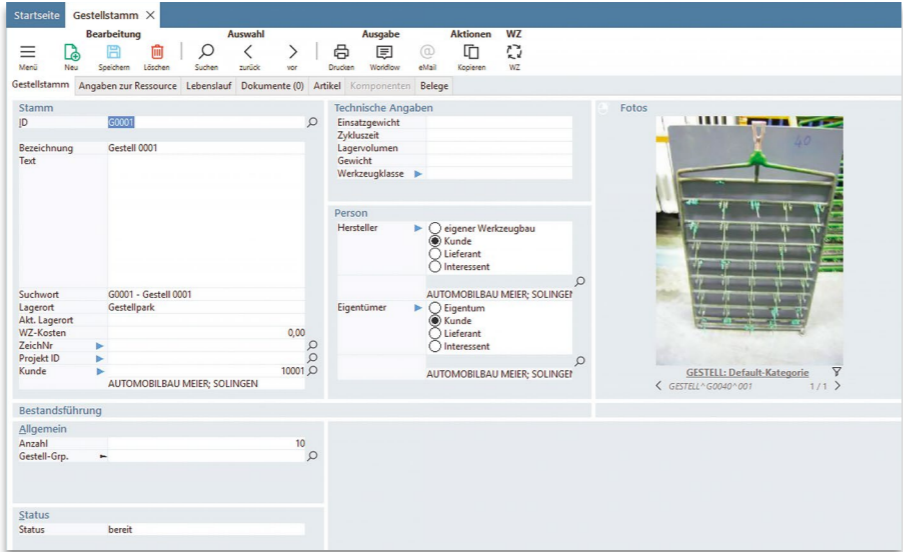
**Rework: Costs quickly recorded and neatly managed**

- Rework order triggered from the blocked quantity by pushing a button
- Optional recording of additional instructions, reasons for scrap, etc.
- Optional printing of a rework chart
- Automatic posting of the costs on the original order in case of feedback

# FRAME MANAGEMENT

**Frame management of TimeLine job order production includes:**

- Assignment of the frame to the production item
- Determination of theoretical capacities
- Purchase/repair
- Blocking/scraping/release



# PHOTO MANAGEMENT

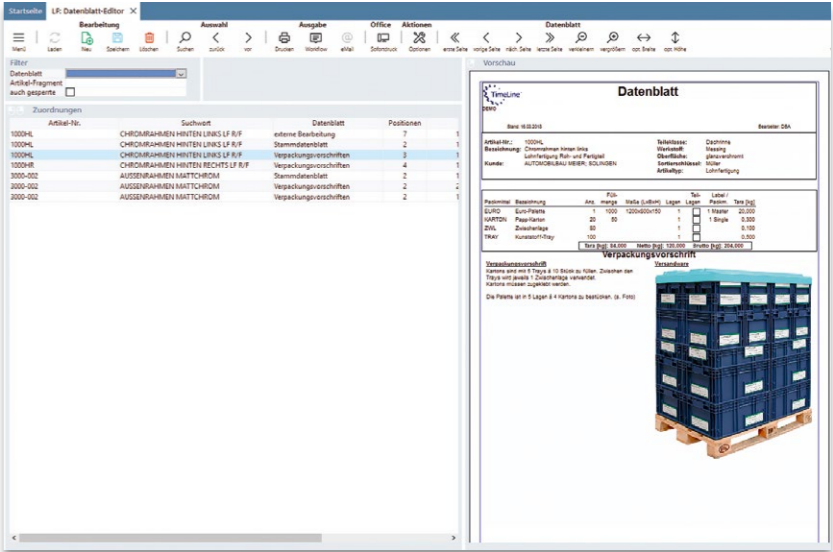
**The optimized photo management in TimeLine Surface gives you the following benefits:**

- Central file storage
- Any number of photos per object
- Photos for items, packaging materials, test equipment, frames, collaboration, etc.
- Drag and drop: Drag and drop your photos directly from your camera into TimeLine photo management
- Automatic resizing to the desired image size
- Categories, captions and comments for each photo
- Print management for forms
- Photo support in many other modules, such as (production) documents

# PROCESS INSTRUCTIONS data sheet editor

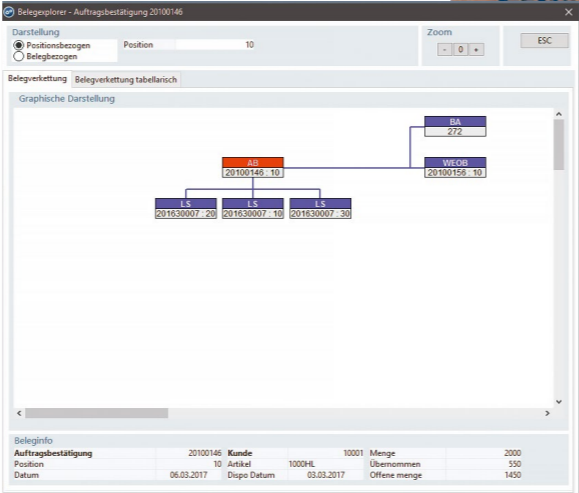
**The data sheet editor allows you to**

- prepare instructions for tasks such as incoming goods monitoring, tooling, final inspection and dispatch
- embed live master and transaction data
- print and display at workstations and terminals



# INCOMING GOODS and Outgoing Goods

- Shorter process sequence
- Incoming goods module generates required follow-up documents, such as order confirmations and work orders
- Optional linking with existing order confirmations and call-ups
- Processing of order-related purchased parts
- Outgoing goods module generates finished delivery note and notice of completion for the work order
- No separation of blank and finished part item number necessary
- Manual feedback nevertheless possible at any time (e.g. with external production as well)
- Complete integration in TimeLine (document explorer, empties and logistics, PDF printing archive, email dispatch, etc.)



# PLANNED ORDERS and Production Orders

The production order is the central element in the TimeLine PPS module. It essentially consists of the work plan with the list of resources and the bill of materials.

**Planned orders – more freedom in planning:** With the planned order, you can already reserve machines and capacities if the order has not yet been released for production. Any number of changes (splitting, suspending, merging) are possible in this status – the planning process does not limit you in any way.

**Release for the work order:** Once the planning has been confirmed, you can convert the planned order to a work order. You only need to push a button to do this.

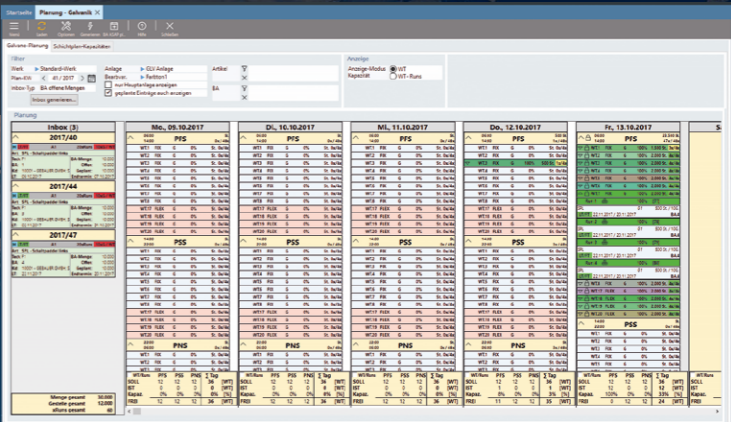
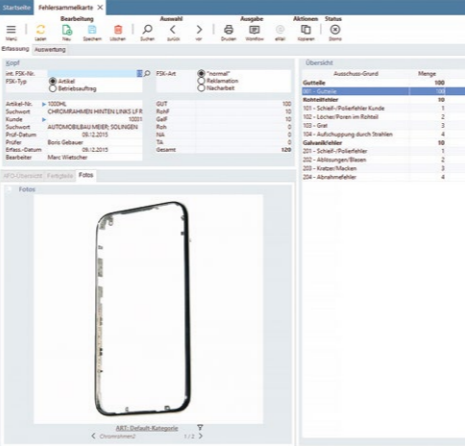
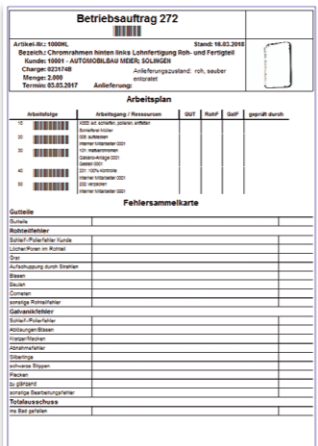
**Production papers:** No matter whether you want to print out work charts, routing cards, time tickets or material requisition cards, this is no problem in TimeLine – there is complete freedom for designing forms. Paper-free production? This is not a problem either: Printing is not necessary for producing an order or providing feedback.

**Circulating quantities:** For every piece of feedback, TimeLine not only continues the internal post calculation, but also posts your circulation quantity in the next work sequence. Here, the circulation quantity is equivalent to the inventories of semi-finished goods, which are managed the same as inventory in TimeLine. You can make inventory postings, assessments and manual postings for circulating quantities in the same way that you do for blanks and finished products. The circulating information provides you with a general overview of the circulating inventories and their individual production statuses at all times.

# ERROR COLLECTION CHARTS

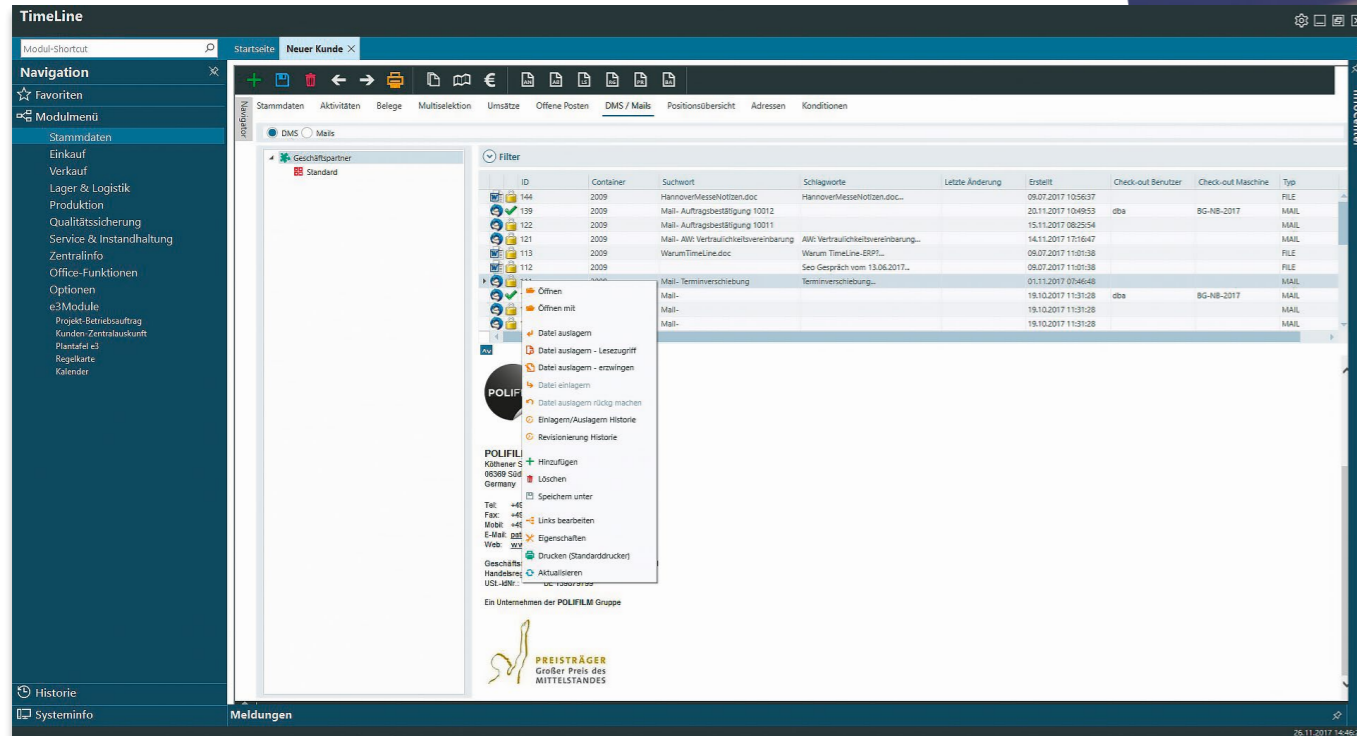
## Detailed recording of scrap quantities

- at workstations or terminals
- with optional work order feedback
- with optional relocation of OK goods (e.g. from final inspection to dispatch)
- FSK printing with production papers
- Photo support



# EMAIL AND DOCUMENT MANAGEMENT (DMS)

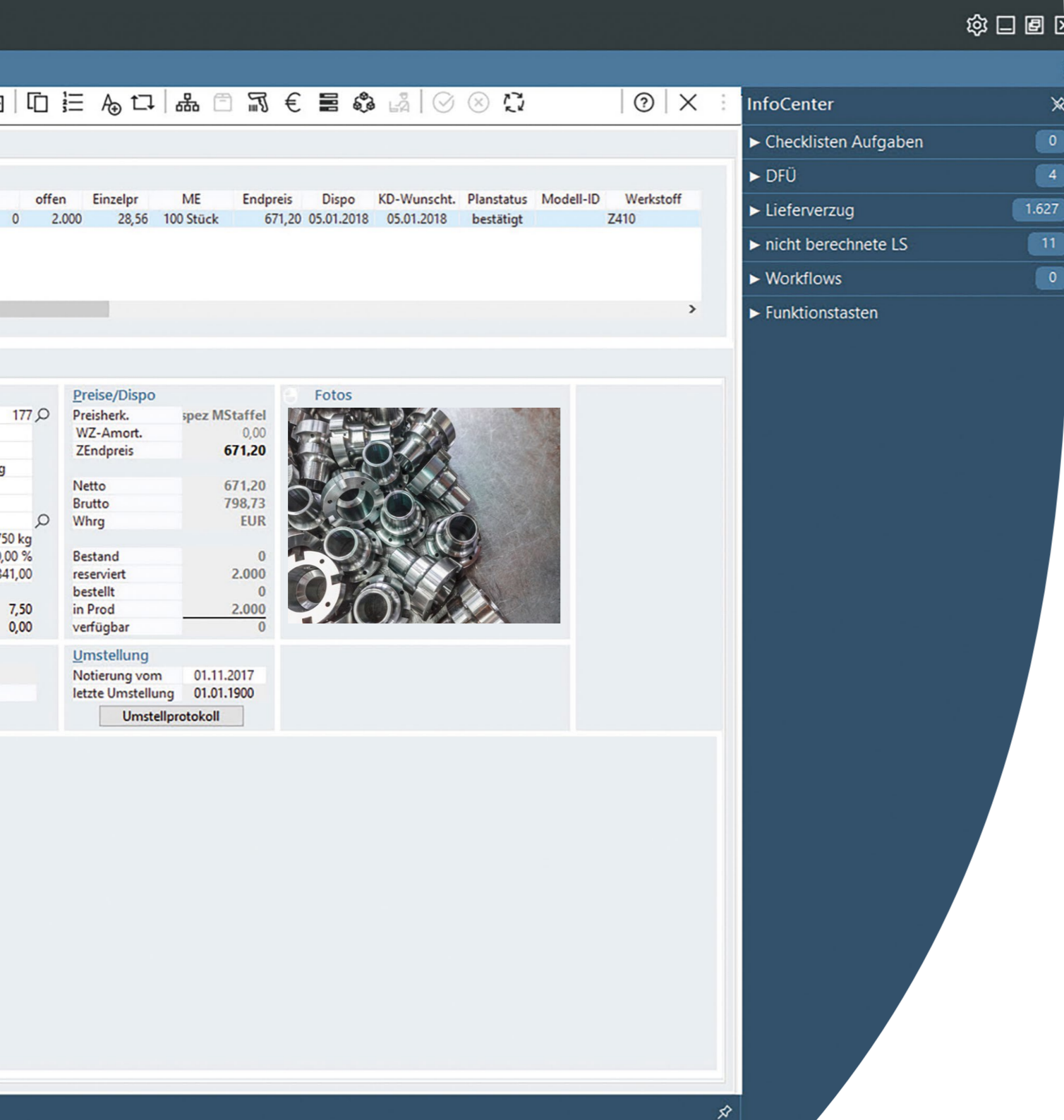
TimeLine provides you with integrated document management in the ERP system. In addition to linking files with objects in the ERP system, TimeLine DMS also makes it possible to file documents on the DMS server. Adapters ("clients") are available on the user page for Windows File Explorer and for the Outlook and Tobit email systems.



Automatic assignment of your emails to the customer.

## TIMELINE-DMS Your Benefits:

- **Email integration:** Automatic importing and selective archiving of incoming and outgoing emails, along with attachments. Incoming emails are automatically identified by the address, imported, indexed by keyword and assigned to the business partner in the ERP system.
- **Audit-compliant archiving:** TimeLine DMS will probably be certified to become an audit-compliant archiving system with version 13.
- **Automatic document importing:** Via *managed directories*, documents in certain directories are automatically added to the DMS and indexed by keyword.
- **Explorer integration:** Any number of files can be copied over to the DMS system directly via Windows Explorer (drag-and-drop).
- **Indexing by keyword:** Documents copied over to the DMS system are automatically indexed by keyword.
- **Barcode OCR:** As an option, barcodes in documents (e.g. PDF, Word, Excel) can be scanned and used for linking them with projects, products, tools, customers, etc.
- **Multiple linking:** The same document can be assigned multiple times. For example, an incoming complaint email can be assigned both to the complaint as well as to the customer and the project.
- **Security:** TimeLine DMS consists of a separate file system that is located on the DMS server. Depending on permission management in Windows, this file system is not accessible from the outside. In this way, you are provided with a protected area for files that are jointly used and organised by assignment to ERP objects – so customers, products, etc.
- **Availability via the web:** Files in the DMS are fully available via the web. Use TimeLine<sup>3</sup> (e3 platform) for web access.
- **Check-out:** Documents can be checked in and out for editing. During check-out, the file is available for editing online or offline. Check-in is used to update the file in the DMS.



# USABILITY HIGHLIGHT IN VERSION 13

## Information centre

By using the information centre and the integrated widgets, you will always keep track of your most important information. Automatic updating ensures that you are provided with the real-time status of the processes in the system. Transparency in the ERP system has never been this easy.

### Standard widgets

TimeLine offers you a series of ready-made standard widgets that display the most important information.

- **Task follow-up:** Shows all open quotations with a follow-up date of today or in the past
- **Checklist tasks:** Shows all of the current user's tasks in checklists
- **RDT**
- **Blocked work orders:** Shows all work orders that are blocked or in which a resource is set as blocked
- **Calendar**
- **Delayed delivery:** Shows order records with a delivery date in the past
- **Non-invoiced delivery notes:** Shows all delivery notes that have been recorded or partially delivered
- **Non-invoiced accounting records:** Shows all accounting records (invoices, credit notes and direct bills) that have not been printed or have been changed
- **Non-reviewed incoming goods invoices:** Shows all incoming goods invoices / direct bills or debit notes that have not been marked as reviewed
- **Outstanding order requests**
- **Workflows**
- **Non-posted BDE stamps**
- **And several more...**

### Individual widgets

It is also possible to create customised widgets. In general, they can be divided into three categories:

- **SQL statements:** Simple database queries
- **Data windows:** For example, lists that permit direct jumping
- **User objects:** More extensive windows with functions

### Flexible rights management

Widgets can be assigned individually:

- In general (for all users)
- For each user individually
- For a group of users (roles)



# TimeLine ERP SURFACE

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