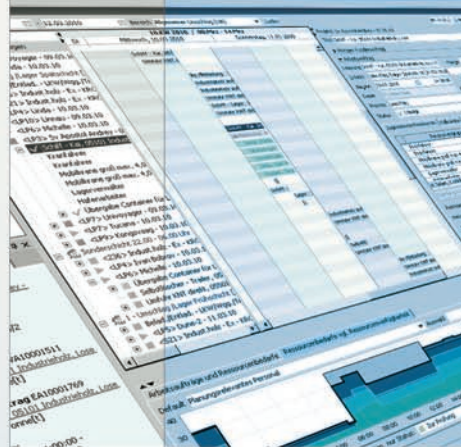
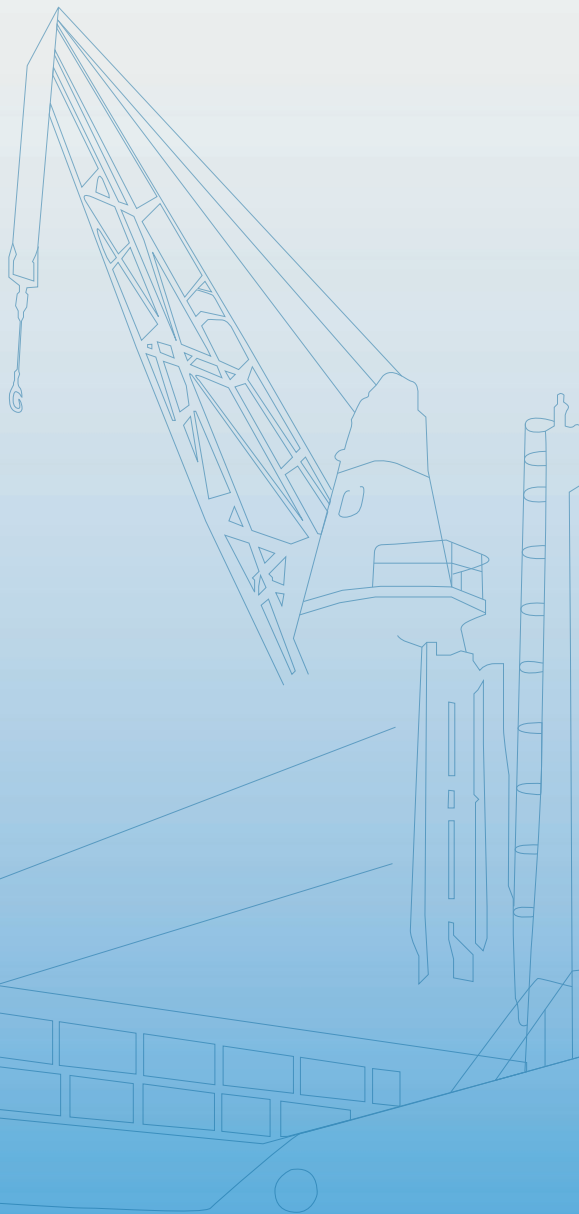




Advanced Logistic System



Overview

Advanced Logistic System (ALS) is an innovative logistic information system for management, planning and control of complex logistical processes in a port terminal. The system consists of modules which cover a specific activity field.

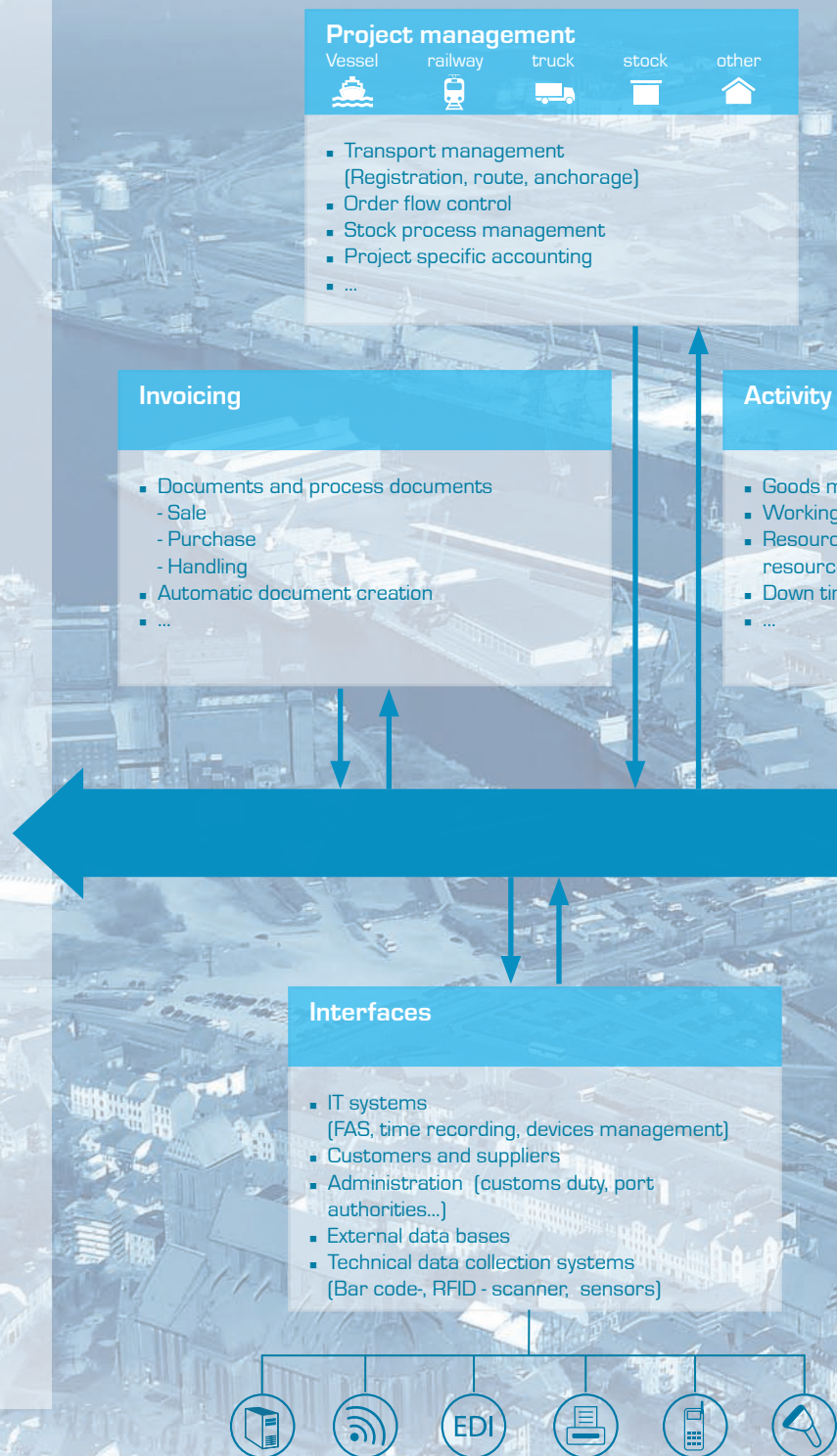
Advanced Logistic System (ALS) contains continuous functionalities from service calculation over order processing up to invoicing.

Furthermore, ALS possesses special modules for order oriented work and capability planning, means of transportation management and stocks management as well as activity recording.

All enterprise data from all modules can be evaluated with an extensive reporting system and can be displayed in tabular or graphic form.

Free configurable interfaces support the integration of external services as well as automated document exchange with business partners. Thereby, double acquisition of data, media disruptions, time delays and loss of information will be avoided.

The several modules can be combined according to the customers needs. In order to offer our customers an individual solution.



Planning

Work and capability planning

- Gross planning of services quantity and resource needs
- Detailed planning of personnel and devices
- Shift management
- ...

Contracts

- Customer specific arrangements
- Service comprehensive quantity scale
- Automatic addition of ordered amount and revenues
- Accounting agreements
- ...

Recording

movements
ing time
ce time and efforts (device and human
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Stock

Stock process management

- Stock structure
- Inventory management
- Stock movements
- Stock rules
- Inventories
- ...

Reports

- Handling reports
- Stock reports
- Post calculation
- Contribution accounting
- Statistics
- Plans, protocols, reports
- ...

User and operations control

- Roles
- Rights
- Personnel
- Devices
- ...

Project management

This module contains functions, which concern the control of the order execution as well as the planning and processing of incoming means of transportation in the harbour. This will be managed by projects. Projects are categorised according to the following types:

- means of transportation projects (vessel, railway, freight vehicle)
- stock projects
- other projects

Features (all project types)

- capture of the process times
- determination of orderer
- allocation of the contracts
- document overview
- document creation

Means of transportation projects

- capture of the means of transportation data
- capture of plan/actual arrival time and handling time
- editing of route
- planning of berth and rails
- handling protocol

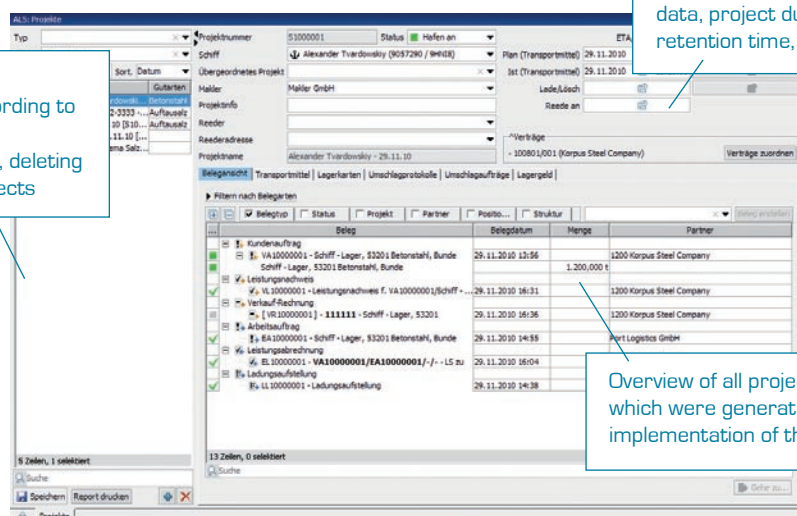
Stock projects

- enter of the inventory card
- reporting about the stock movement per inventory card
- display of stock inventory
- storage charge accounting

The projects always deliver actual information about the process execution, the project state and the upcoming duties. Therefore a smooth cooperation of several people involved in the process is guaranteed.

- Project overview
- Filter possibilities according to status, project type
- Creating new projects, deleting or saving existing projects

Recording of important project data, project duration, transport retention time, handling time



Belegtyp	Status	Projekt	Partner	Postle...	Struktur	Beleg protokol
Kundenauftrag		VA10000001 - Schiff - Lager, 53201 Betonstahl, Bunde	1200 Korpus Steel Company			
Verkauf-Rachnung		VA10000001 - Schiff - Lager, 53201 Betonstahl, Bunde	1200 Korpus Steel Company			
Leistungsnachweis		VA10000001 - Schiff - Lager, 53201 Betonstahl, Bunde	1200 Korpus Steel Company			
Arbeitsauftrag		EA10000001 - Schiff - Lager, 53201 Betonstahl, Bunde	1200 Korpus Steel Company			
Leistungsbeurteilung		EA10000001 - Schiff - Lager, 53201 Betonstahl, Bunde	1200 Korpus Steel Company			
Ladungsaufstellung		EA10000001 - Schiff - Lager, 53201 Betonstahl, Bunde	1200 Korpus Steel Company			

Overview of all project documents, which were generated by implementation of the project

Invoicing

The module regulates from the order processing to the offer preparation up to the accounting/billing. The single processes of the order management are represented in different documents. These documents contain data, which are necessary for the smooth process execution. There are two types of documents: „invoicing documents“ (sales/purchase) and „process documents“ (goods handling).

Sales

- Offer
- Order
- Note of sale (delivery)
- Invoice
- Credit note

Purchase

- Inquiry
- Work order/Purchase order
- Certificate of performance
- Invoice
- Credit note

Handling

- freight list

Furthermore, this module offers automatic and manual production of invoices about given services or deliveries. This occurs through a takeover of the services, which should be invoiced from performance proofs, notes of delivery and customer orders. In addition the FAS (Financial Accounting System) interface allows a transfer of the booking entry data to different financial accounting programmes.

The screenshot displays the 'ALB - Verkauf Kundenaufträge' (Sales Customer Orders) window. It features a 'document header' section at the top with fields for status, project, currency, and dates. Below this is a table titled 'Overview of document items' with columns for position, description, quantity, unit price, discount, and total price. The table contains one item: 'Schiff - Lager, 53201 Betonstahl, Bunde' with a quantity of 1,300,000 t and a total price of 3,000,00 EUR. At the bottom, there is a 'service definition' section with fields for contract, cost center, status, and other details.

Pos...	Leistung	Text	Menge	E-Preis	Rabatt	Preis
1	Schiff - Lager, 53201 Betonstahl, Bunde	Schiff - Lager, 53201 Betonstahl, Bunde	1,300,000 t	2,30		3,000,00

Planning

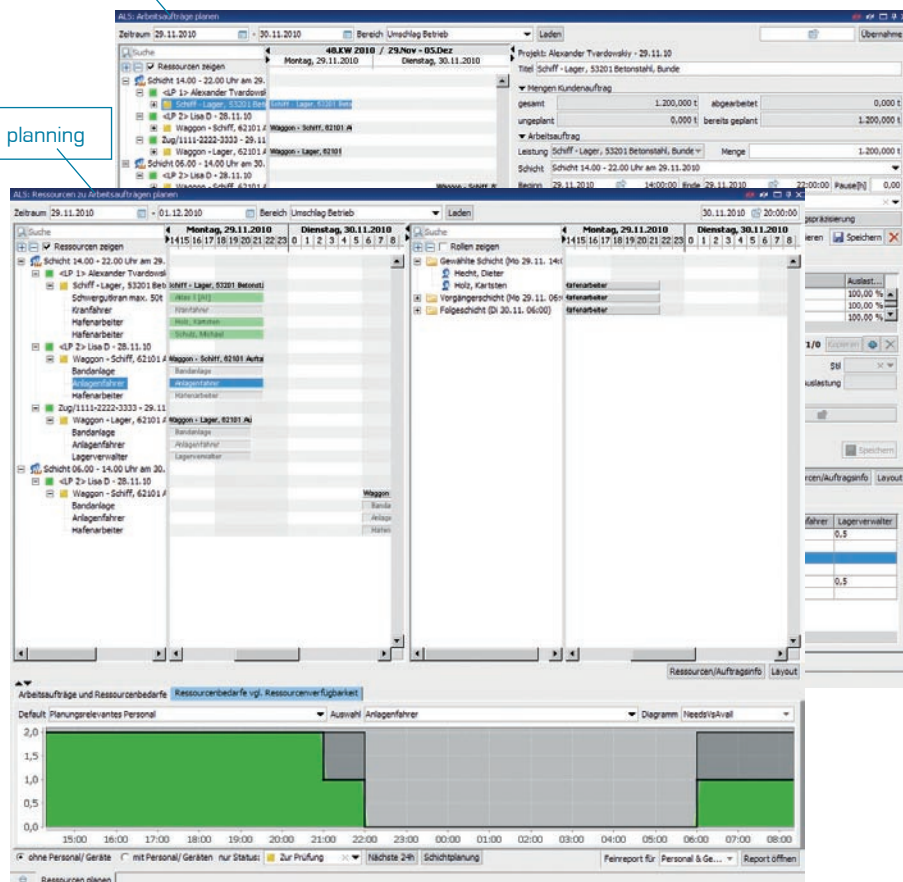
The work and capability planning module contains the planning of the value performance as well as the resource requirements, which are necessary (human resources, devices, material). The module allows a stepwise refinement from gross planning up to the detailed planning.

Features

- Temporal partitioning of the value performance on the predefined working shift and calculation of the performance amount per shift on the basis of the planned performance
- Automatic determination of the necessary resource requirements
- Generate of work order documents
- Graphical presentation of the temporal classification of the work orders in the Gantt chart
- Graphical presentation of the utilisation overviews for shifts and resource groups
- Simple allocation of human resources and devices by drag & drop
- Shift management

gross planning

detailed planning



Activity recording

The module enables a possible comprehensible logging of performed work as well as logging of time and effort (device and human resources) linked to the performed work.

Features

- Capture of scheduled and unscheduled performed work
- Capture of working time and resource work
- Capture of down times
- Logging of goods movements
- Planned/ actual performance comparison
- Generate of working and activity confirmation

Different reports are available in tabular or graphic form for the successful control and efficiency control.

Settings of the shift and the area

Overview of the work orders according to projects

Capture of services

Recording of the work effort

Stock process management

The module provides a constantly overview of the stock inventory.

Features

- Management of stock location
- Management of the inventory card
- Automatic stock item entry from the activity recording
- Logging of stock movements (incoming goods, outgoing goods, relocation)
- Automatic place allocation (stock rules)
- Calculation of storage charge
- Use of bar code scanner, RFID for the automatic data acquisition
- Print of the own bar code label

Reports

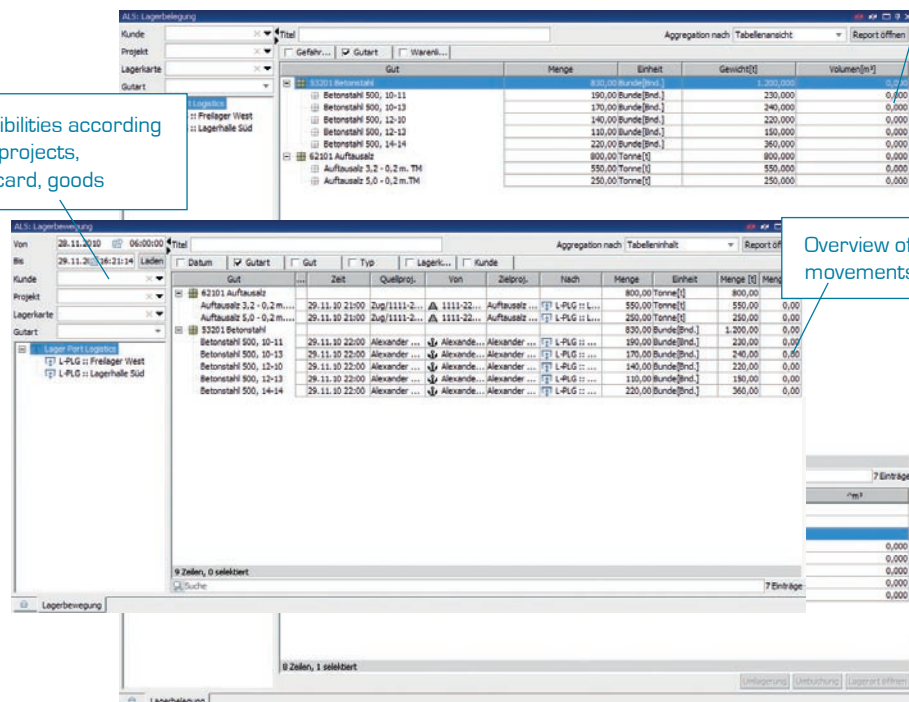
The user gets comprehensive information about the actual stock situation as well as about the previous stock movements.

- Stock protocols
- Stock movement protocols

Filter possibilities according to clients, projects, inventory card, goods

Overview of stock transactions

Overview of stock movements



Gut	Menge	Einheit	Gewicht [t]	Volumen [m³]
53201 Betonstahl	190,00 Bunde [Bnd.]		230,000	0,000
Betonstahl 500, 10-11	170,00 Bunde [Bnd.]		240,000	0,000
Betonstahl 500, 10-13	140,00 Bunde [Bnd.]		220,000	0,000
Betonstahl 500, 12-10	110,00 Bunde [Bnd.]		160,000	0,000
Betonstahl 500, 12-13	220,00 Bunde [Bnd.]		360,000	0,000
Betonstahl 500, 14-14	800,00 Tonne [t]		800,000	0,000
62201 Aufbausatz	550,00 Tonne [t]		550,000	0,000
Aufbausatz 3,2 - 0,2 m. TH	230,00 Tonne [t]		230,000	0,000
Aufbausatz 5,0 - 0,2 m. TH				

Datum	Gutart	Gut	Typ	Lagerort	Kunde	Menge	Einheit	Menge [t]	Menge [m³]
29.11.10 21:00	Zug/1111-2...	1111-32...	Aufbausatz	L-PLG II...		800,00	Tonne [t]	800,00	0,00
29.11.10 21:00	Zug/1111-2...	1111-32...	Aufbausatz	L-PLG II...		550,00	Tonne [t]	550,00	0,00
29.11.10 21:00	Zug/1111-2...	1111-32...	Aufbausatz	L-PLG II...		250,00	Tonne [t]	250,00	0,00
29.11.10 22:00	Alexander ...	Alexander ...	Alexander ...	L-PLG II...		800,00	Bunde [Bnd.]	1,200,00	0,00
29.11.10 22:00	Alexander ...	Alexander ...	Alexander ...	L-PLG II...		190,00	Bunde [Bnd.]	220,00	0,00
29.11.10 22:00	Alexander ...	Alexander ...	Alexander ...	L-PLG II...		170,00	Bunde [Bnd.]	240,00	0,00
29.11.10 22:00	Alexander ...	Alexander ...	Alexander ...	L-PLG II...		140,00	Bunde [Bnd.]	220,00	0,00
29.11.10 22:00	Alexander ...	Alexander ...	Alexander ...	L-PLG II...		110,00	Bunde [Bnd.]	180,00	0,00
29.11.10 22:00	Alexander ...	Alexander ...	Alexander ...	L-PLG II...		220,00	Bunde [Bnd.]	360,00	0,00

Contracts

The module contract administration allows a simple and clear representation of the contracts with comprehensive arrangements, which were determined with a customer.

All data relevant to contract are captured in the contract module:

- Contract duration
- Period of cancellation
- Customised prices and discounts
- Quantity scale
- Information for the automatic document creation (invoice activation, term of payment, cost unit, accounts...)
- Different contract amounts (guarantee amount, border amount...)

Additionally the module offers:

- Report about the commissioned and accounted amounts of a contractual capacity
- Report above the whole commissioned and accounted proceeds to the contract
- Automatic appointment monitoring and reminder

- Contracts overview
- Filter possibilities according to status

Contracts header

- Contract partners
- Contract duration
- Period of cancellation
- Contract status

Overview of contracted services

The screenshot displays the 'ALS Verträge - Vertragsdatenverwaltung' software interface. At the top, there's a header section with fields for 'Vertrags Nr.' (10001001), 'Status' (Aktiv), 'angelegt am' (28.11.2010), 'Vorgänger Vertrag Nr.', and 'Referenzvertrag'. Below this, a table lists contracted services with columns: 'Leistung', 'Gürtel', 'Kostenstelle', 'Preis', 'Einheit', 'EK...', 'Marge', 'St...', 'M...', and 'Pos...'. The table contains three rows of data related to 'Schiff - Lager, S3201 Betonstahl, Bunde'. Below the table, there's a detailed view of a selected service (3 Zeilen, 1 ausgewählt) with fields for 'Leistung', 'Kostenstelle', 'Belegtext', 'Titel', 'Beschreibung', 'Nachkommastellen', 'Preis/Einheit', and 'Preis wählen'. The interface also includes a search bar and buttons for 'Kopieren', 'Angebot erstellen', 'Hafendatenleistungen', 'Leistung bearbeiten', 'Übernehmen', and 'Speichern'.

Service conditions:

- Prices
- Invoice information
- Quantity scale
- Contract amounts



Optimal decisions in an enterprise need a professional data base. Decision-makers must be able to count on the correctness as well as on the significance of evaluations/reports.

All important key data to handling services, stocks, planned activities, outgo and income are available any time. The evaluations can be pixel-exactly printed or can be changed into other formats (PDF, Excel etc.).

[illegible]

Summe Gesamt:	1.200.000 t	0,000 m
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Interfaces

The effective interfaces are the precondition for the depiction of complex, system and enterprises covering business processes. ALS offers interfaces for reconciliation of data stock as well as for connection external systems and their integration in the process flows.

ALS offers the suitable solution for automated data exchange with existing systems in your enterprise or with business partner resp. administration.

User and operations control

Data security is one of the most important themes in ALS. An integrated authority system is the main item for guarantee of data security. On the base of configurable rights it can be settled (regulated) what the user is permitted to see and to execute.

Thereby the user as well as the objects can be combined to groups/roles. The Roles can be interlaced. Therewith, the authority control for the administrator will be significant simplified.

