

SAP-Business-Partner-Solution

## be.as SCM Automotive

The add-on to SAP® Business One  
for supply chain management  
in the automotive industry



# Focus on business logistics

„Jünemann´s Theorem“\*

- The right object
- At the right moment
- At the right place
- Of the right quality
- In the right composition
- At the right costs

(\* Prof. Dr. Reinhard Jünemann is the founder of the term 'industrial logistics')

The dynamics of steadily changing markets makes high requirements to the organization of small and medium sized companies.

In the past, with the fabrication of products, product quality and profitability stood in the foreground. Nowadays, with increased competitive pressure, business logistics are increasingly being pushed into the foreground.

Nowadays, the customers do not judge products by price and quality, but also by the service of delivery, e.g. delivery time, reliability of delivery, delivery readiness, and flexibility of delivery.

These properties are not directly connected with the product itself. This makes clear, that the key business features are not only product features, but also service features, particularly logistic functions.

With the opportune use of a professional logistics system you gather competitive advantage, and thus create a basis for today's and future markets. You should act as a responsible minded entrepreneur, not react.

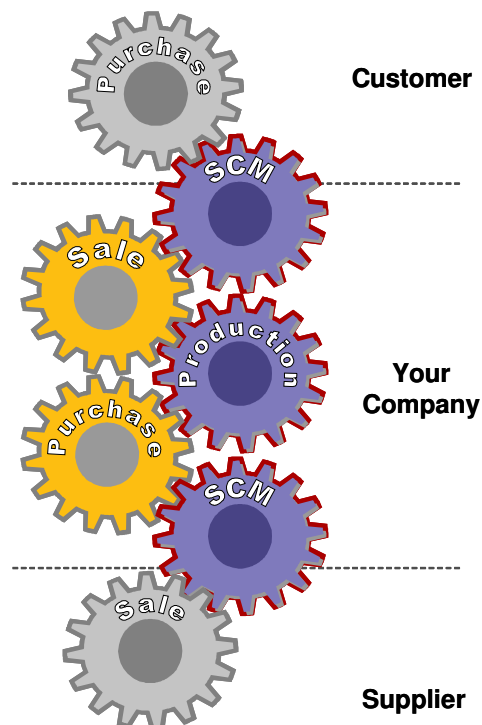
## Cross-Function Business Logistics

The functional elements of business logistics are the traditional business areas marketing, production and procurement. Electronic communication and structured logistics processes support and contribute to these business areas.

The gear-like interaction of these business areas can only be accomplished by tracing and controlling of continuous process chains. These logistic requirements involve auxiliary scopes like service providers and suppliers.

Business logistics controls the supply chain as well (Supply Chain Management). The integration of suppliers, customers, and service providers requires overlapping management- and design approaches, and thus new concepts of optimizing all processes as well as continuous processes and methods.

In practice, this is accomplished through support of intelligent software modules.



# Strong alliance

## SAP® BUSINESS ONE

The integrated solution, tailor-made for small and medium companies, offers not only fast and simple access to all company-related information, but furthermore offers the reports and documents, which are relevant to decision making processes in all business areas.

With the push of just one button, helpful tools for the effective and efficient support of daily business processes- in sales, procurement, accounting, and beyond are at your disposal.

SAP Business One provides critical information for a successful enterprise management.

Some of the processes are indispensable for an enterprise logistics with suppliers, appropriate ways of transaction have to be provided. Master orders are set up with the prefix "R" and do not affect the disposition. Package materials are set up with the prefix "P", and are taken into stock like normal articles.

## be.as SCM Automotive

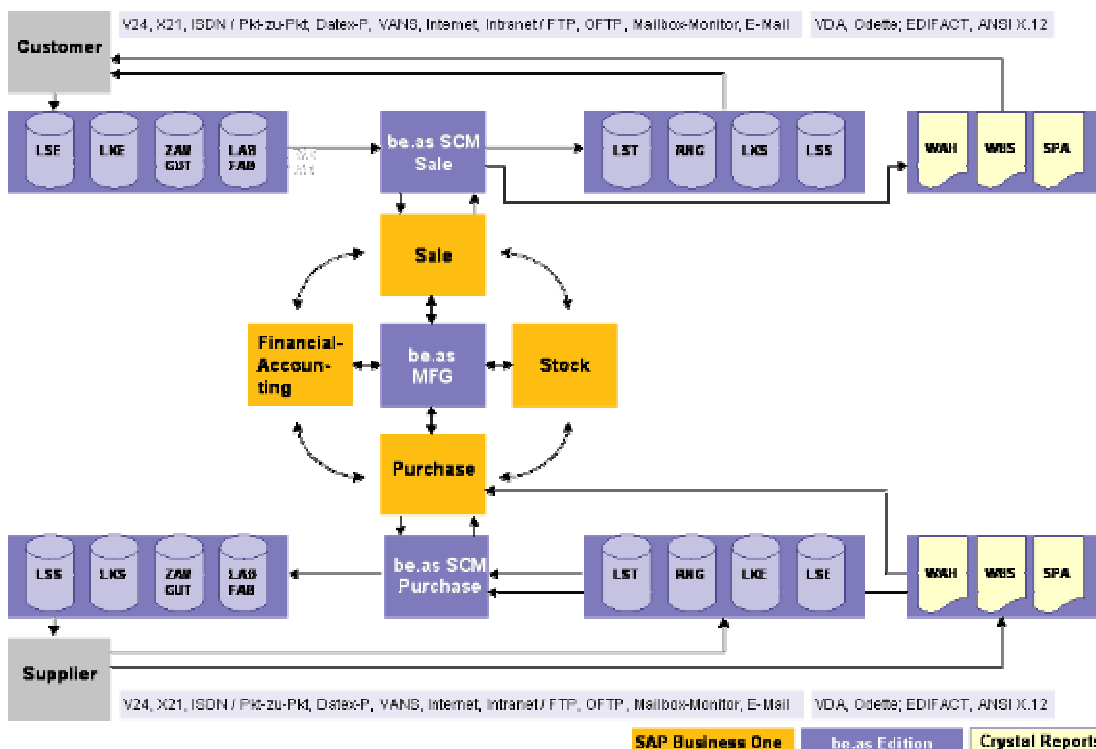
Often logistics requirements are made to the areas sales and procurement, which can not be handled by a standard solution. The processing of supply and dispatch are often defined by the needs of the customers.

be.as SCM takes over the part of the supply chain processing (SCP) within the supply chain management (SCM) and pictures the whole circuit of business logistics. The module is fully integrated into the SAP Business One Solution.

All Information can be received and provided via EDI. Alternatively, they can be gathered manually and then be processed afterwards.

The module is inter-divisionally applicable to both companies with own production, or finishing industries/ logistics providers and enterprises as well.

**With be.as SCM Automotive you have full control of the business logistics.**



# Functionality of be.as SCM

## Demand processing

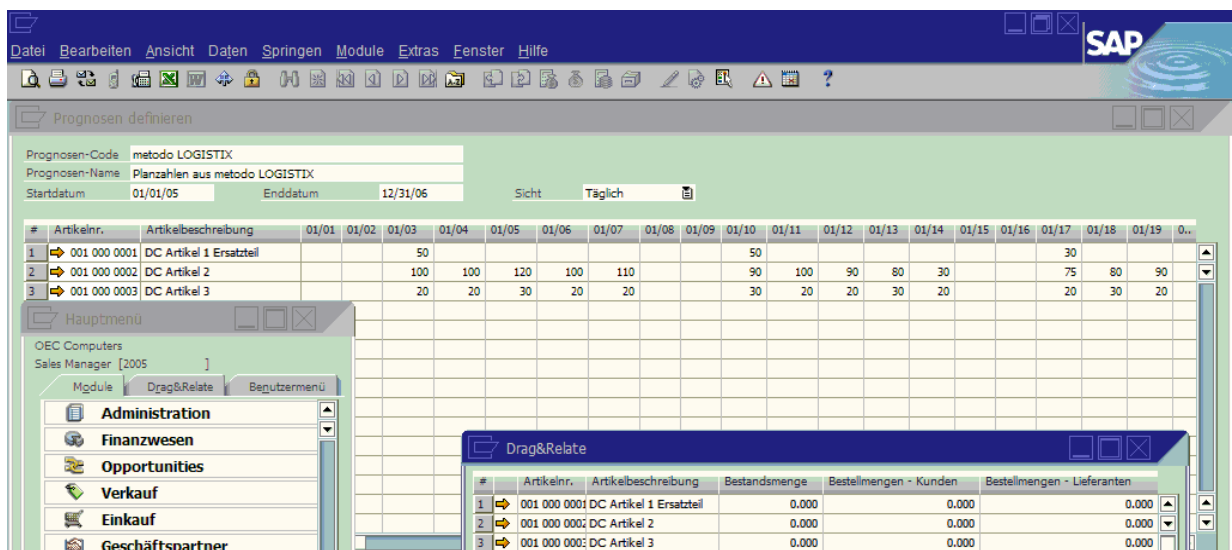
Delivery forecast can be inserted via EDI and/or be entered by the user and then be processed afterwards. With receiving of delivery forecast, an automated process chain leading up to the production plan is triggered.

All data are stored in history tables, thus verification of dispositive changes are available at any time. The transmitted planning quantities amounts are automatically inserted into the Business One prognosis. As the prognosis is created per article, all demands from different scenarios are cumulated with one article number. The demand for different production plants, unloading points and spare part demands are

provided for production

In be.as SCM, the demand is of course handled separately and serves for dispatch controlling. This happens with consideration of the dispatch duration with different routs of transportation. The production uses the prognosis as input and utilizes the defined planning strategy.

With the online-demand-processing the managing clerk is enabled to take required actions regarding the disposition-/delimitation amounts. The online demand processing supports the user by contrasting the customer's delivery disposition to the already processed dispositive decisions.



## Dispatch processing

The dispatch processing generates an in-advance-load. This is a commission, which already contains all dispatch-relevant information.

This commission or in-advance-load is not assigned or checked against stock. This way, it is possible to create commissions for not yet produced goods.

All preparatory steps can be performed beforehand, e.g. printing of labels. The generating of order-oriented processes of SAP Business One (call-off, delivery note, invoice) and producing a load with following

stock reservation at the end of dispatch planning are only accomplished.

This concept enables uniform, transparent processes and requires no change between sales, dispatch, and be.as SCM constantly.

The generated delivery notes and invoices in SAP Business One surf the dispatch procedure as input information. These are combined into loads with loads position.

The required data for the business logistic can be customized (vehicle information, packaging, values, etc.). After this step, the

acknowledgement for the demand processing and the relevant business processes is created; both the EDI-processes as well as the required shipping documents (label, collective delivery note and shipping order) in the customer defined peculiarities and norms for each business process.

## Global Features be.as SCM

Expansion of the customer- and supplier base by control fields	Master order with unlimited amounts of appointments taken into disposition	Dispatch processing order overall incl. commission
Predefined shipping days	Control of all processes and as-is-situation taking into account over- and undersupply, load, goods in transit, etc.	Planning and accumulation of deliveries without stock, vouchers can be created prior to production
Extension and distribution of the planning horizon.	Assignment of package material in complex structures, container-in-container, on palette	Planning and accumulation of deliveries without stock, vouchers can be created prior to production
Communication- and voucher management control	Simple modification of dates and quantities	Inventory accounting and generation of order, delivery note and invoice with release of commission.

The modules demand- and dispatch processing are the basic products of be.as SCM. Based here upon, the application can be extended according to requirements and/ or degree of organisation by the following modules:

### Communication management

With this module, a business process can be received or sent in different norms. This is valid for all business processes in be.as SCM.

Incoming data are converted into a common format and inserted into a history table.

In this history, each field is archived in its maximum extent.

The conversion process is done by an internal converter, which was developed to administrate customer-specific accommodations.

### Packaging management

The modular structured packaging management is designed to administer complex packaging structures. The structure covers internal package, lid, floor, separators, frames, small cargo carriers, palettes, skeleton boxes, etc. Due to the administration of the packaging in SAP Business One, all stock- and valuation data are available online.

The packaging management contains automatic mechanisms for:

- Padding-/ area-/ tare- und separator-calculation
- Stock management, labelling, mixed packaging devices
- Parameter driven assignment, default packaging devices or packaging device list for each billing position
- Simulation of the packaging partlist per delivery amount and packaging device

## Special Features be.as SCM

Demand-processing		Dispatch-processing	Communication-management	Packaging-management
Calculation of disposition- amounts for each graduation by synchronizing of all demand-amounts on a single temporal axis	Business logistic processes in chronological order, e.g. printing of label already prior to the first production step, or just in time to admission into ware-house, respectively	Calculation of weight, volumes, load meter, value, etc.	Increased service offer for the customer	Automatic generation of processes (e.g. Transport Package Management VDA 4927/ automotive Industries), Package material amount per customer or cumulative are available at all times
Difference-graduation with fluctuation of demand-amounts in each peculiarity of the calls (e.g. delivery call/fine call)	Automatic synchronization of SAP Business One and be.as SCM processes between commission and loading process	Consideration of normalization / customer-guidelines on paper or EDI	Follow-up processing (functionality between SAP Business One and be.as SCM remains unaffected)	Management of package material inlet via voucher number, automatic labelling with decommission of goods from the respective customer account
Progress numbers for demand and dispatch	Ongoing synchronization of the progress numbers	No additional registration of basis- or variable data – foreign article code, delivery note, state-of-change, etc.	Business processes are uniformly completed after conversion.	Mapping of package-material-stock logistics of the customer (one production plant/ several stocks or several production plant/ one stock)
Key information for each graduation and partly delivery.	Trouble-free subsequent correction of delivery amounts	Dispatch proposal by the system	Conversion of the EDI-Pool into history tables	Inventory of receptacles via ERP-functionality
Selection/Display of demands for each foreign article key, order, customer, and date possible	All company- logistics-specific business processes are hand-led simultaneously with a single operation.	Repetition of all processes (paper and EDI) possible	Conversion via tables variably configurable.	
Designation of package structure for each frame, so one article / series / replacement be packed differentially		Assumption and modification of the package structure	be.as SCM is independent from norm types; different norm types have no effect on the functional processes.	

# Technical aspects

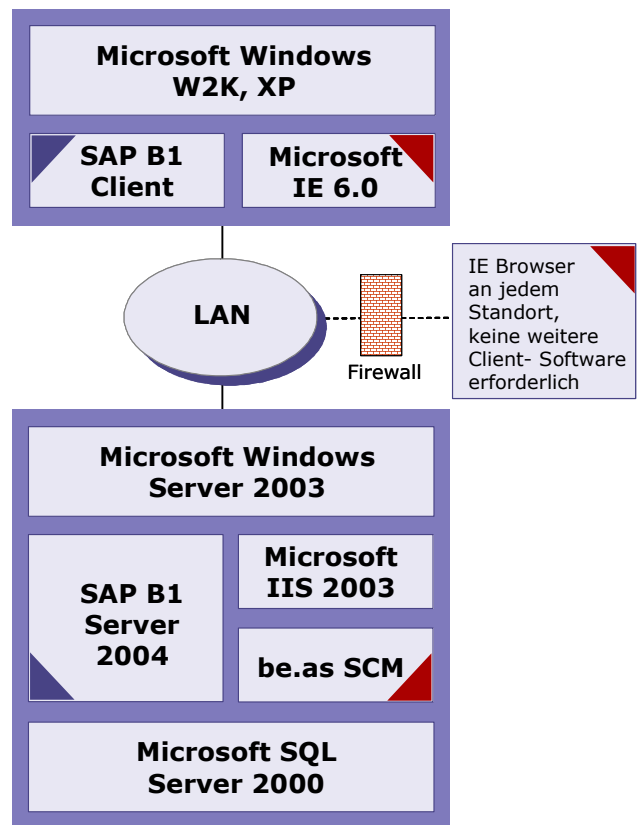
The technical highlights and the modernity of a product do not serve the developer or the marketing, but are a guarantee for investment. Modern software combines the newest insights from ergonomic, security, and architecture, which are not portable into older software solutions.

be.as SCM is installed on the server which is used for SAP Business One. No additional services, apart from the free of charge web server IIS are needed.

Due to this architecture, the connexion of dispatch stores and remote departments is possible without problems. Demand- and dispatch information are at your disposal worldwide, of course with appropriate security and encryption.

The user logs on to the server via the browser. The GUI does not contain specific elements like ActiveX or even Cookies. Software modules like Flash are not being used either.

be.as SCM and SAP Business One utilize a common database. Data backup take place for each data base and thus in one processing step.



*"Business Logistics at your disposal of course means not only on-site, but any time, any place."*



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