



## DISCOVER SCO - a functional overview

The software for your logistics success with many functions and extensive support

### Demand Forecasting

The quality of your demand forecasts defines decisively the level of inventory in your supply chain.

The DISCOVER DF Module offers powerful simulation-optimized forecasts that are effective even for irregular requirements and delivery performance levels of over 95%. Thanks to distribution-free procedures, even high levels of availability can be ensured. Special stochastic forecasting procedures improve the forecasts of items with irregular, strongly fluctuating requirements.

### Materials Planning / Replenishment

Order proposals are generated for each individual article in MRP, taking into account the MRP procedures set and the future requirements determined in the forecast. Planning results and all changes to quantities, dates or master data are calculated directly and displayed both graphically and in table form as a planning list.

Numerous specific additional functions offer optimal support for complex dispatching tasks, from phase-out control and compound dispatching to capacity planning and ATP (available-to-promise) calculation.

### Sales and Operations Planning / S&OP

Stochastic demands require the sales department to be integrated in the preparation of the forecasts. Also promotions and/or projects cannot usually be forecasted in a purely statistical manner.

With the help of the S&OP module, statistical forecasts can be compared with sales planning. In addition, the sales force can be easily and conveniently integrated into the forecasting process. Of course, forecasts in DISCOVER can be created and displayed not only at item level, but also at item-region or item-distribution channel "level". In this way, a sales person only receives forecast values that relate to his area of responsibility.

### End-of-life-Forecasting

In some companies and industries up to one third of all articles are newly developed every year and numerous articles are taken off the market.

Reliable demand forecasts save you a lot of money in these cases. Have you previously had to rely on the estimates of your sales and marketing staff? With DISCOVER's EoL module you can determine more accurate figures. We have developed this module in cooperation with MEDION AG.



### MRP Parameter Optimization

Whether you use your ERP system or plan directly with DISCOVER, the MRP parameter optimization function in DISCOVER enables you to create decision tables and rules for master data as well as for planning, controlling and scheduling parameters of your ERP system. Moreover, you can simulate and optimize them so that your ERP system meets the logistical targets.

In this way DISCOVER keeps the data quality of your ERP system up to date with minimal effort - a task that your material planners would not be able to perform at all without special system support.

### Portfolio Data Analysis

DISCOVER's portfolio data analysis function allows you to conveniently analyse your range of items, your simulations or any other business objects. It works similarly to the pivot analysis of MS Excel© with full drill-down capabilities, but fully integrated and much easier to use.

Create your own analyses using drag and drop, define your own formulas for key figures, filter the pivot tables according to any criteria and adjust the automatic graphics with a few clicks.



### Logistics Simulation

DISCOVER's simulation functionality provides you with a powerful set of tools for optimizing scheduling decisions or planning and scheduling strategies. The simulation options in DISCOVER also allow you to calculate entire value streams and supply networks.

Numerous simulation processes in DISCOVER automatically optimize the results of analyses, planning and scheduling in the background, without the user noticing.

### Reporting

Tabular reports on key figures or master data of articles or other business objects are indispensable in everyday business. DISCOVER allows you to create any table with just a few clicks and with virtually no training required.

Define reports, export them to MS-Excel©; send reports automatically by e-mail or save them in your file system; sort and group report data and aggregate values for data groups.



## Dashboard

Modern business processes are managed and monitored by using key figures. With the DISCOVER Dashboard you can keep in touch with your planning processes: on any type of device and wherever you are.

Select the key figures that are relevant for you, determine how they are displayed, carry out drill-downs. Receive up-to-date information on your smartphone, tablet or laptop.

## Optimizer-Engine

Many optimization decisions in logistics and supply chain management can no longer be solved with classical algorithms.

This is where the optimization engine in DISCOVER comes in. It works with heuristics and metaheuristics from the field of artificial intelligence and thus automatically and efficiently solves tricky optimization tasks in the background, such as the automatic optimization of the readiness for delivery of an entire product portfolio, with the goal of achieving the required overall readiness for delivery with the lowest total inventory. DISCOVER's PP/DS module also makes use of the Optimizer functionality.



## Supplier Portal

The DISCOVER supplier portal enables you to cooperate efficiently with your suppliers in procurement. You can post inquiries and purchase orders that can be answered by your suppliers easily and conveniently.

Integration with DISCOVER ensures that all data and information flows smoothly between you and your suppliers. The DISCOVER supplier portal can also be used directly with your ERP system and without the DISCOVER basic module package.

## Detailed Scheduling - PP/DS

When production capacities are scarce and the available capacity can only be adjusted to the demand to a limited extent, when different production goals work against each other and must be brought to an economic optimum, the DISCOVER detailed planning module helps.

Target criteria such as productivity, adherence to schedules and throughput can be improved with the PP/DS module, taking into account restrictions such as limited personnel and machine capacities, set-up costs, personnel requirements, etc.

## **SCT GmbH Supply Chain Technologies and DISCOVER SCO**

Since not only companies but also their supply chains are in global competition, SCT GmbH Supply Chain Technologies develops software tools such as the APS software DISCOVER SCO, which help users to optimize their supply chain quickly, efficiently and sustainably. More than 20 years of experience and a competent team of developers ensure the high quality of SCT's solutions. A close cooperation with a network of supply chain experts in the fields of engineering, economic engineering, business administration and computer science from practice and university

in the association with the FIR-Solution-Group at RWTH Aachen University guarantees that the software is always at the latest business and technological level. SCT also maintains close contact to its customers in order to implement new functions for practical use based on feedback from the field. The use of SCT solutions by numerous TOP100 performers in the German economy from medium-sized to large companies assures that DISCOVER SCO is always up to the latest requirements of supply chain management.



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