## **SCM Consulting Solutions**

Lot Size Simulation 2011.1

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### **Agenda**

- 1. The challenge: Determination of the optimal lot sizing procedure
- 2. The solution: SCM Consulting Solution lot size simulation
- 3. Details on lot size simulation

# The challenge: Determination of the optimal lot sizing procedure

## During the determination of the optimal lot sizing procedure, the MRP planners are often facing the following problems:

- •The decision about the optimal lot sizing procedure is often taken in intuitive way
- •The result of simple rule-of-thumbs, like 6 order cycles per year, is put into the system as a fixed or minimal lot size. These values are not adjusted to changing demands (e.g. during an economic crisis)
- •MRP planners don't trust the system's lot sizing calculation, as they don't have a possibility to verify the results
- •MRP planners have no tool to simulate different lot sizing procedures and the resulting costs for a high number of materials
- As there is no decision support tool available, a single procedure is used for all materials

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## The solution: SCM Consulting Solution lot size simulation

#### Questions and answers about SAP's lot size simulation tool

Which prerequisites must be fulfilled by the customer?

- The use of SAP R/3 Material Management and the SAP MRP monitor
- Ordering costs and storage cost indicator must be maintained in the material master

Which advantages does the lot size simulation tool offer?

- Simulation of all in the material master available lot sizing procedures on the basis of real demands with in the SAP ERP system
- Flexible variation of lot sizing parameters possible
- Tabular and graphical display of resulting costs and inventory situation

Is the lot size simulation tool a modification?

No, it is not. It is a add-on tool.

Is there any customizing for the use of the tool necessary?

No, there are no customer specific adjustments necessary.

How time-consuming is the installation?

The consulting solution is available within one-day and immediately ready-to-use.

What are the costs of the lot size simulation tool?

Please send an inquiry to Marc Hoppe or Ferenc Gulyássy

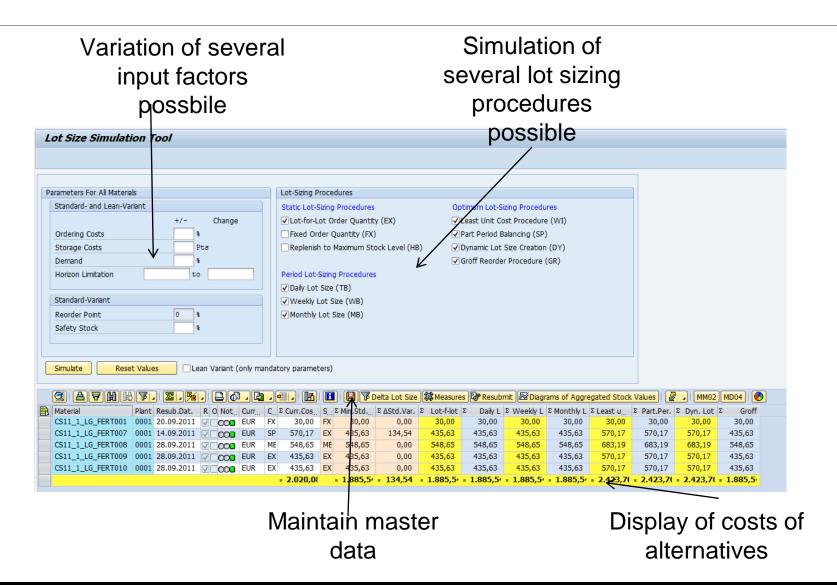
## Goal's of SCM Consulting Solution lot size simulation

The lot sizing simulation tool allows a optimal determination of the lot sizing procedure for every material. Consequently, a reduction of the procurement and inventory costs can be achieved.

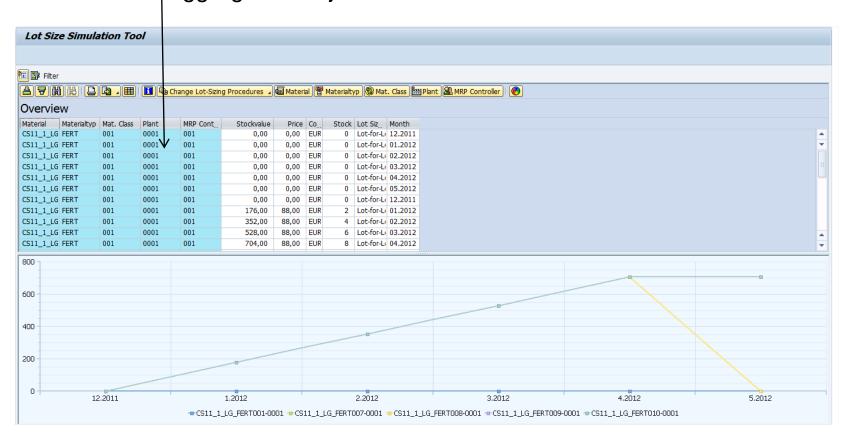
- •The tool determines for every material of the MRP planner the optimal lot sizing procedure. This can be adjusted in the material master.
- •With the help of a flexible parameter variation future trends (like decreasing demands, increasing procurement costs) can be considered during the simulation.
- Maintainance of lot sizing procedure from the simulation tool is possible.

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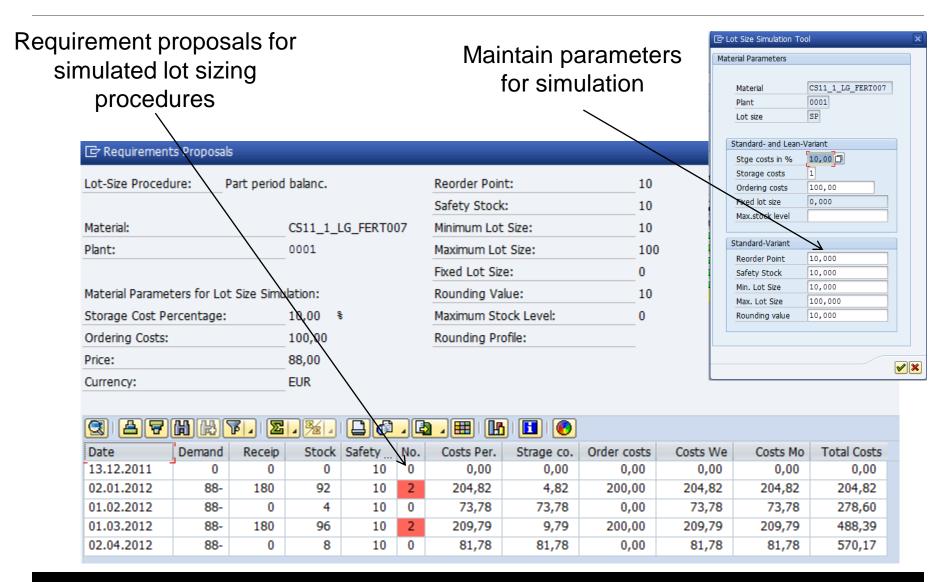


Diagrams of aggregated stock values for several aggregation objects









## Where can I get more information on SCM CS?

Go to SAP service marketplace and search for note 1493943!

Or ask for more information:

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