

# ROCKET PACK WAREHOUSE MANAGEMENT STOCK CONSOLIDATION



The Rocket Warehouse Management Stock Consolidation transaction provides a fast way to view the current stock locations from the perspective of storage capacity utilisation. Identical items located in different storage bins can be easily consolidated in to a single destination location, thereby increasing available storage, reducing the level of stock fragmentation and consequently improving replenishment and picking efficiency.

## STOCK SELECTION

Stock consolidation can be run for an entire warehouse or a sub-set of the warehouse. The selection can also be restricted by the materials held in stock.

The degree of consolidation can be selected as based on the source location capacity utilisation, i.e only considering bins that have less than specified percentage storage utilisation.

Consolidation Selection Screen

## STOCK ANALYSIS

The consolidation algorithm analyses the warehouse stock, identifying compatible items stored in different bins for potential consolidation. These are then grouped logically ready for stock consolidation. Consolidation opportunities are sequenced considering the optimal storage location as defined by the SAP warehouse management storage logic as well as considering the amount of stock to be moved.

ID	Typ	Stat	Source Bin	Mat	Material Description	Batch	Total Stock	Unit	Status	Get Consolidation	Message Text
MTC 004 001 0001			01 23		Bin 1		100 EA		OOD	<input checked="" type="checkbox"/>	
MTC 002 001 450000010			23		Bin 1		300 EA		OOD	<input checked="" type="checkbox"/>	
MTC 001 001 01-01-04			E1 25		Rack 1		50 EA		OOD	<input checked="" type="checkbox"/>	
MTC 001 001 01-01-05			E1 25		Rack 1		50 EA		OOD	<input checked="" type="checkbox"/>	
MTC 001 001 02-01-03			E1 25		Rack 1		50 EA		OOD	<input checked="" type="checkbox"/>	
MTC 001 001 02-01-04			E1 25		Rack 1		50 EA		OOD	<input checked="" type="checkbox"/>	
MTC 001 001 03-01-04			E1 25		Rack 1		50 EA		OOD	<input checked="" type="checkbox"/>	
MTC 016 001 000000011			E1 25		Rack 1		50 EA		OOD	<input checked="" type="checkbox"/>	

Stock Consolidation Proposal List

## STOCK STORAGE CONSOLIDATION

Warehouse stock moves (transport orders) are then generated to consolidate the stock in the warehouse. Consolidation can be run either as an automatic background process or in the foreground to allow consolidation simulation and manual initiation for selected items.

# WAREHOUSE MANAGEMENT STOCK CONSOLIDATION



## CONSOLIDATION SIMULATION

Simulate transport order creation to allow consolidation decision and view the expected consolidation results based on the current warehouse situation. Simulation is enabled in non handling unit managed warehouses.

## COMPATIBILITY AND SYSTEM REQUIREMENTS

The Warehouse Management Stock Consolidation is compatible with SAP R/3 4.6C, SAP R/3 4.7, SAP Enterprise Core Component (ECC) 5.0 onwards.

Warehouse Management must be implemented and all forms of stock management are supported:

- ❖ Handling Unit Management for optimisation
- ❖ Storage Unit Management
- ❖ Material & Quantity Management only

## ABOUT ROCKET PACKS

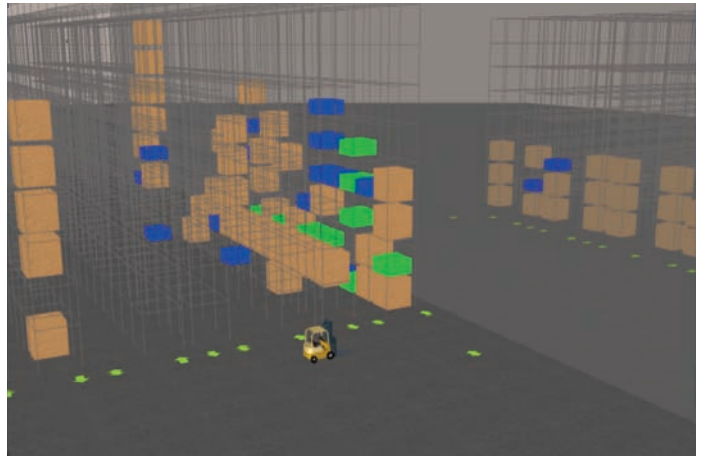
Drawing on the collective the experience of numerous implementations into a variety of different business operations and an in depth knowledge of the SAP software, Rocket have developed a library of products and enhancements (Rocket Packs) to compliment and extend the SAP Logistics Execution, Warehouse Management and Supply Chain functions in order to meet to commonly occurring business and technical challenges. Developed following strict standards, including SAP approved enhancement techniques and development namespaces, and accompanied with user guides and online help, Rocket Packs are ready to deploy robust solutions that substantially increase business benefit while reducing implementation risk and cost compared to bespoke SAP development.

## RELATED ROCKET PACKS

Opportunistic user driven stock consolidation can be achieved with the Rocket Pack for **RF Initiated Stock Consolidation**. This allows warehouse staff to query any stock and have the system propose suitable recipient bin and stock to perform the consolidation immediately. Alternatively the operator can manually select the recipient bin which will be validated for compatibility.

Further warehouse stock optimisation can be achieved with the Rocket Pack for **Warehouse Stock Reorganisation**. This performs warehouse stock analysis to reduce the level of sub-optimally located stock in the warehouse and increase storage capacity utilisation.

The Rocket **Virtual Warehouse Monitor (VWM)** provides a powerful alternative to normal warehouse reporting and operational control, giving unprecedented ease of access to information within the controlling SAP Warehouse Management System through an intuitive three dimensional graphical user interface (GUI). Reporting options within the VWM include display of fragmented stock and sub-optimally stored stock requiring Stock Reorganisation.



*Virtual Warehouse Monitor*

For further information and to learn how your business could benefit from the extended SAP functionality that Rocket Packs provide - **contact us and start your mission today.**