Optimization Project for Inventory Management





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optimize the inventory management NHGD's central warehouse.

Objectives:

- To reduce storage costs.
- Maximize utilization of storage
- Assurance of high stock availability to support users at all times.



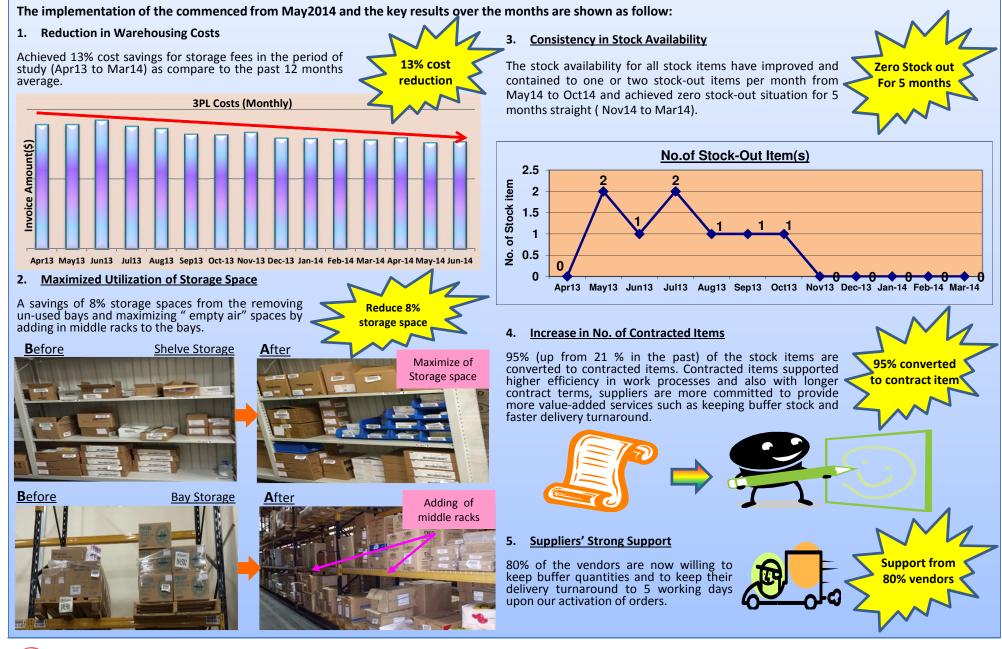
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The team embarked on this project in April 2013 and carried out an assessment and study of 115 stock items in the warehouse, their supplying vendors as well as the users' requirements in order to address the objectives of this project.

The following processes were followed and implemented after the assessment:

- 1. From the Team's perspective:
 -Adjust the Periodic Automatic Replenishment (PAR) level for each stock item to one month or less to minimize storage spaces. -To identify bulky sized stock and order them at a minimal quantities as they incur more "expensive" storage cost per unit basis. -To call for a longer term of contracts (at least one year) which will attract suppliers to support with better terms such as keeping buffer quantities, delivery with shorter turnaround time and this also save the Purchase Order processing time. -To implement a daily inventory reporting to monitor stock availability.
- 2. From 3 PL vendor perspective:
- -Add-ons of middle shelving to storage bays so as to convert "wasted" empty space to a "usable" space for storage.
- -Remove bays that are not in used
- -Implementation of monthly audit check together with 3PL vendor on the actual usage of storage bays
- 3. From the Suppliers' perspective:
- -Keeping up to 1 to 2 months buffer quantities at suppliers' warehouse instead of at our warehouse.
- -For suppliers to support a shorter delivery turnaround upon our activation of orders such as "JIT delivery" where possible as this process also reduce any potential storage spaces at our warehouse.

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onclusion:

This project is successfully implemented as it has considered all perspectives of work processes as well as relationships between the external and internal stakeholders. It is with this full understanding of the co-relationship and then to maximize the potential of every chance for improvement and being vigilant on the quality at each step that make these the critical keys to the success for this project

With the optimized efficiency at the warehouse, Radiographers, Medical Technicians and Procurement staff will have the additional time to focus on providing more quality care to patients and other value-added services.