Transforming Warehouse Management Systems

With the changing business scenario, warehousing has seen a shift from legacy systems to automation. Earlier, automation was applied in select phases of warehousing like constructing buildings, whereas nowadays there is a high demand across channels to implement automation and thus, enable seamless warehousing systems. HCL Technologies has developed a pre-configured questionnaire template aligned with the industry standard which will help customer and HCL Technologies to scope existing landscape & benchmark with industry best practices which are aligned of BY Discrete WMS.

About
the solution

The solution has a list of pre-identified questions that help the client understand the scope of improvement in their existing WMS system. Its features include:

Pre-Defined Questions to understand WMS

Landscape of application & business requirements

Solution
highlights

Some of the key highlights to note are:

Easy to use & faster deployment

Aligned with global best practices for warehousing processes

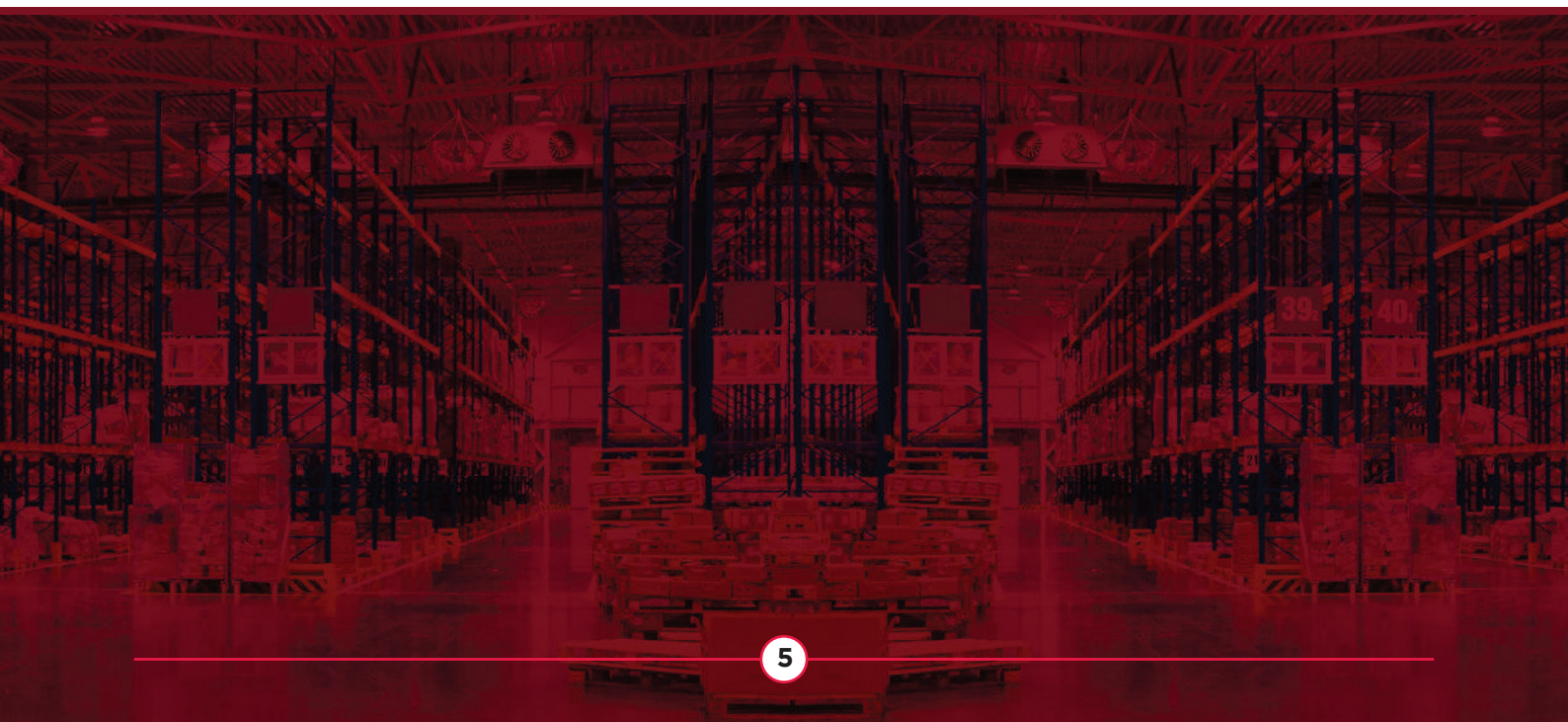**High level maturity understanding of the WMS Landscape**

1.1 Warehouse Configuration

Ref.No	Sub-Section	Base Requirement
1.1.1	Multiple inventory owners in a single physical warehouse	Yes
1.1.2	Slotting optimization	Future requirement
1.1.3	User definescodes (e.g. adjustments,hold reasons etc.)	Yes
1.1.4	User-configurable alerts Set up Support	Would need this-currently email driven. Need to categorize in report
1.1.5	Activity tracking (audit trail) Capability based on user-configurable time period for all data elements	Yes
1.1.6	Automatoc data archiving Capability based on user-configurable time period for all data elements	5 years of transactional data for Archive. 18 months for ops data in the system
1.1.7	Supports RDT (Handheld guns) operations	Yes
1.1.8	System lets you associate audio clips,digital documents,images and video files to objects (such as items, assets and workflow instructions) to provide additional information about the object	Future requirement
1.1.9	Real time inventory update integration	Once a day file sent to customers
1.1.10	Serialization/Batch management	Yes
1.1.11	Ability to maintain centralized master data	Yes
1.1.12	Automation	Interface with TMS

1.2 Visibility & Traceability

	Complex	Medium	Simple	Grand Total
Asset management			1	1
Customer specific reporting		1		1
General & Administrative	2	1	2	5
Inventory management and cycle count	2	3	4	8
Kitting/ Customer VAS	2	1		3
Location Mapping		2	1	3
Move Tasks	1			1
Order management		1	4	5
Packing and loading and dispatch	3	1	2	6
Planning	1			1
Putaway		1	2	3
Receiving	2	4	5	11
Replenishment			4	4
Returns/RMA		1	2	3
Standard Metrics and Reporting	4	1	7	12
Testing & Quality Control		2		2
Visibility & Traceability		1	2	3

Opportunity Areas (in measurable metrics)	Value
Total order cycle time	< 8 hours
Internal order cycle time	<3.4 hours
Perfect order completion index	>= 99.3%
Dock to stock cycle time	< 2.4 hours
SO received per hour	>= 15 per hour
Lines received and putaway per hour	>= 58.8 per hour

Business highlights

Effective implementation of this solution results in multifold benefits for the clients. Some of them are:

80%

Understanding of Application

50%

Reduction in transition period

HCL

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