Warehouse planning LOGISTICS COMMUNITY BRABANT



Breda, March 24, 2021 9026X141/WD/ydr

De in dit rapport genoemde conclusies, aanbevelingen en adviezen zijn gebaseerd op door de opdrachtgever verstrekte informatie en gegevens. Besparingen, exploitatie- en investeringsramingen zijn afhankelijk van de in dit rapport genoemde randvoorwaarden en aannames. Alle opdrachten worden aanvaard en uitgevoerd overeenkomstig de Groenewout Algemene Voorwaarden 2012.

Groenewout introduction

Founded in 1966, Groenewout provides professional consulting in Logistics and Supply Chains Management.

Our core competence has been sharpened in supply chains optimization and detailed designs of manufacturing-, distribution- and fulfillment centers. We place a great deal of emphasis on both the identification and realization of feasible opportunities.

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Our consulting service portfolio

SUPPLY CI	HAINS & LOGISTICS CON	SULTING:	
Strategical	 Feasibility studies Warehouse tendering for building, logistics & IT 	 Distribution Network Studies Global sourcing Non Product Related Purchasing (NPR) 	 Organizational - & functional design Business process (re-)design Key Performance Indicators (KPI's)
Tactical	 Warehouse (lay-out) design Plant (lay-out) design Lean warehousing Insourcing / out-sourcing warehousing 	 Transport tendering Service Level Agreements (SLA) Insourcing / out-sourcing transport Benchmarks 	 Sales & Operations Planning (S&OP) Production planning Collaborative Planning, Forecasting & Replenishment
Operational	 Loss Prevention & Security (LP&S) Facilities electrical, HVAC & temperature engineering 	• Location studies & site selections	 IS selection & implementation (WMS/TMS/APS) Inventory Mgt.
	Materials Mgt.	Physical Distribution	Supply Chains Mgt.



Our consulting methodology



MULTI-DISCIPLINARY

Groenewout's team consists of highly qualified business consultants with unique, complementary disciplines.

HANDS-ON

More then 50 years of experience in operational environments & implementation processes.

INDEPENDENT

Groenewout has no formal obligations towards suppliers or contractors whatsoever and always gives an independent advice, keeping the interest of the client as a first priority.

INTEGRITY

Groenewout highest value is integrity, externally towards client organizations and their employees and internally towards Groenewout employees.

PROFESSIONAL

- Quantifiable: Quantification is the basis for our advice.
- Quality: Highly qualified professionals with more than 150 years of logistics experience.
- Leading edge expertise: Groenewout strives to maintain a leading position as a Logistics and Supply Chains Management specialist, creating a continuous learning environment to develop the organization and the individual.



Quality measured by our clients



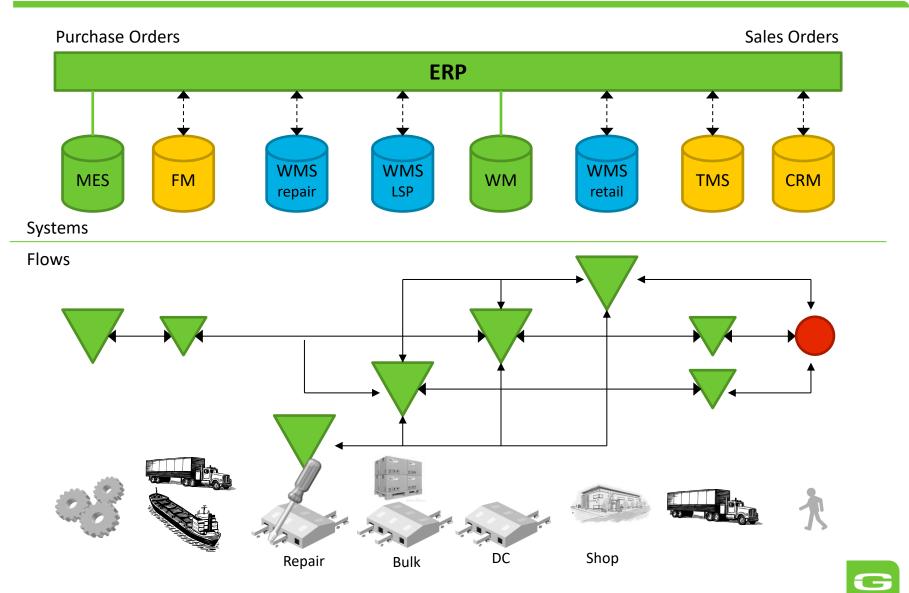
Warehouse planning LOGISTICS COMMUNITY BRABANT



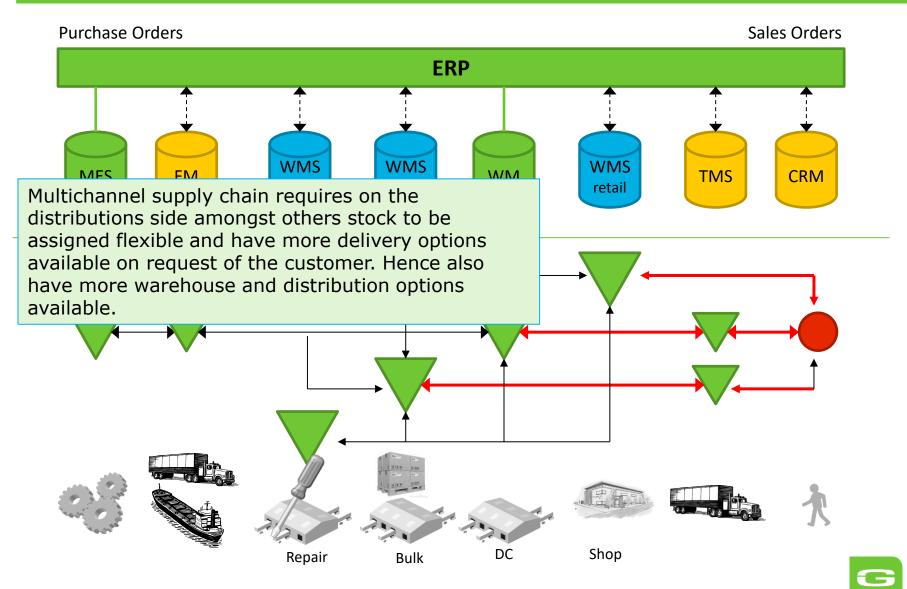
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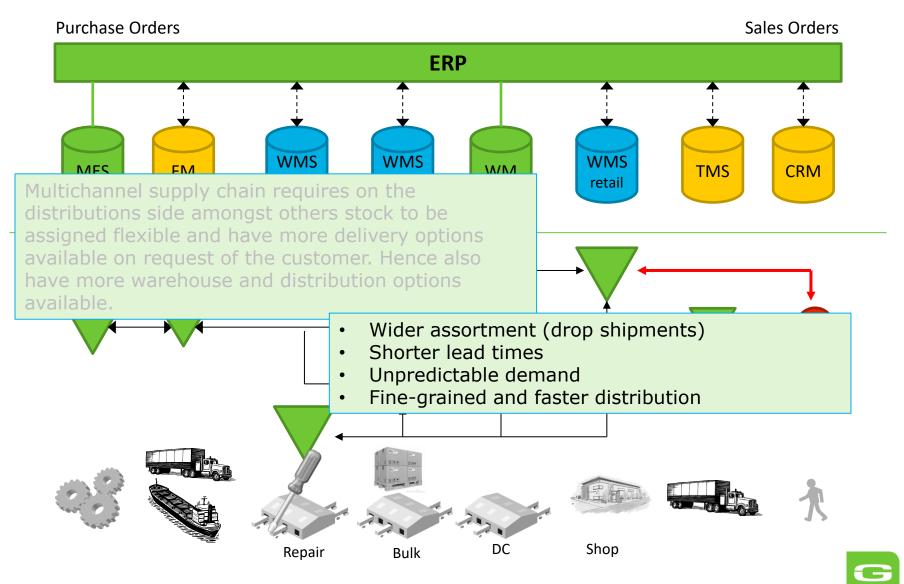
Function Warehouses within the Supply Chain



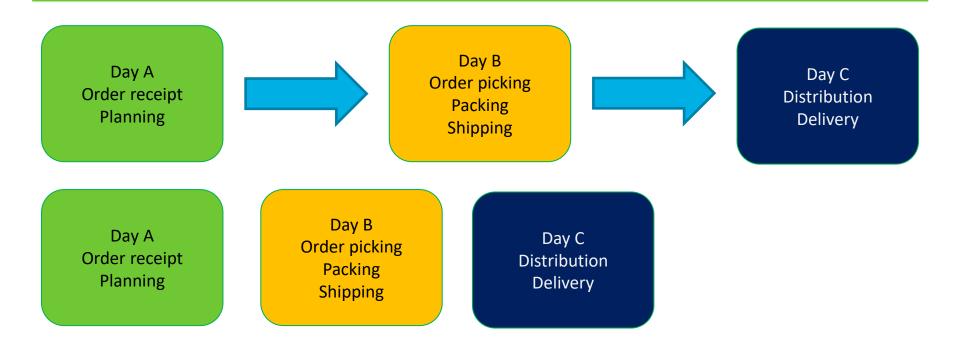
Multichannel



Multichannel



Lead times



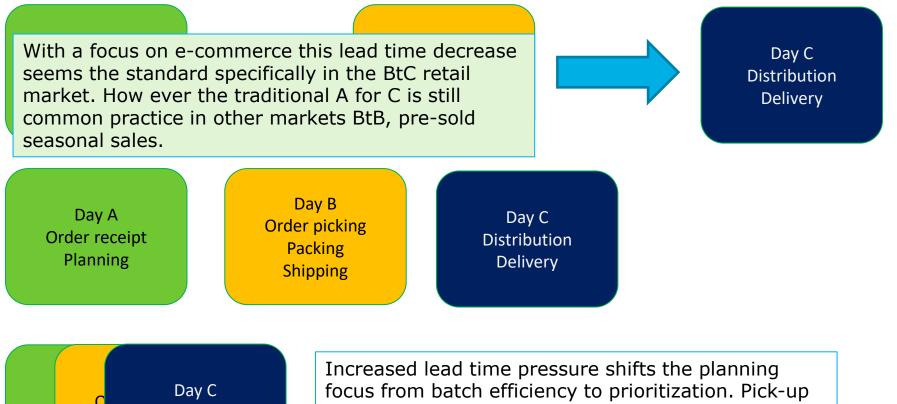


Increased lead time pressure shifts the planning focus from batch efficiency to prioritization. Pick-up times prevail over full distribution routes or efficient picking tasks.



E-commerce effect on lead times

LEAD TIMES



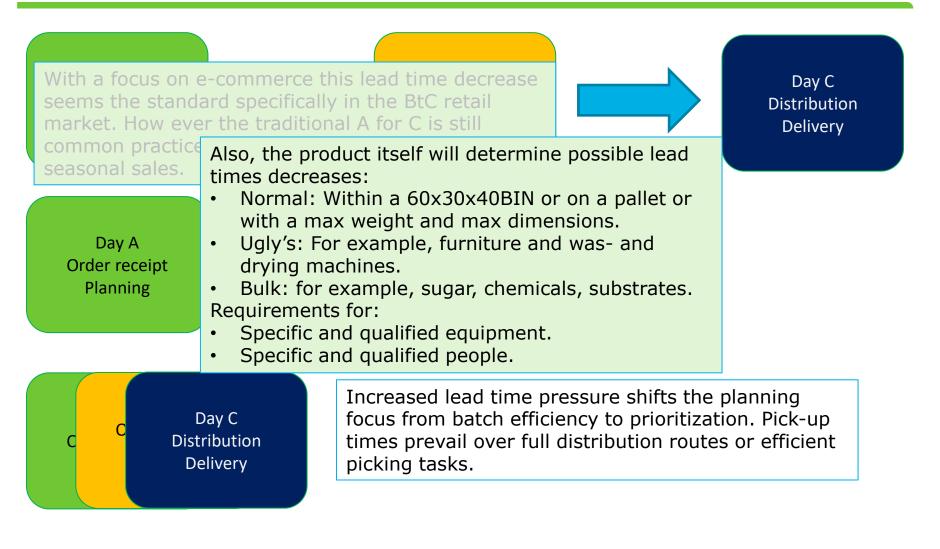
Distribution Delivery

times prevail over full distribution routes or efficient picking tasks.



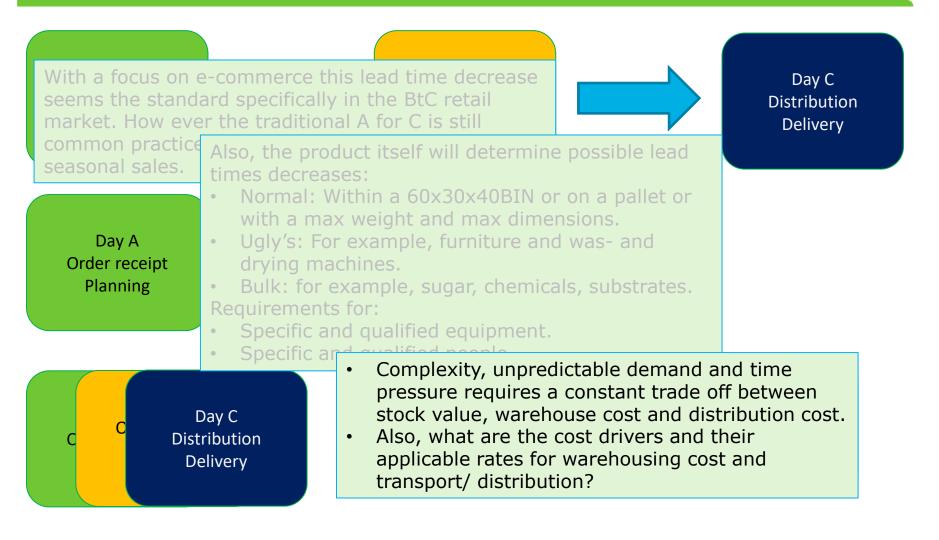
Product limitations

LEAD TIMES



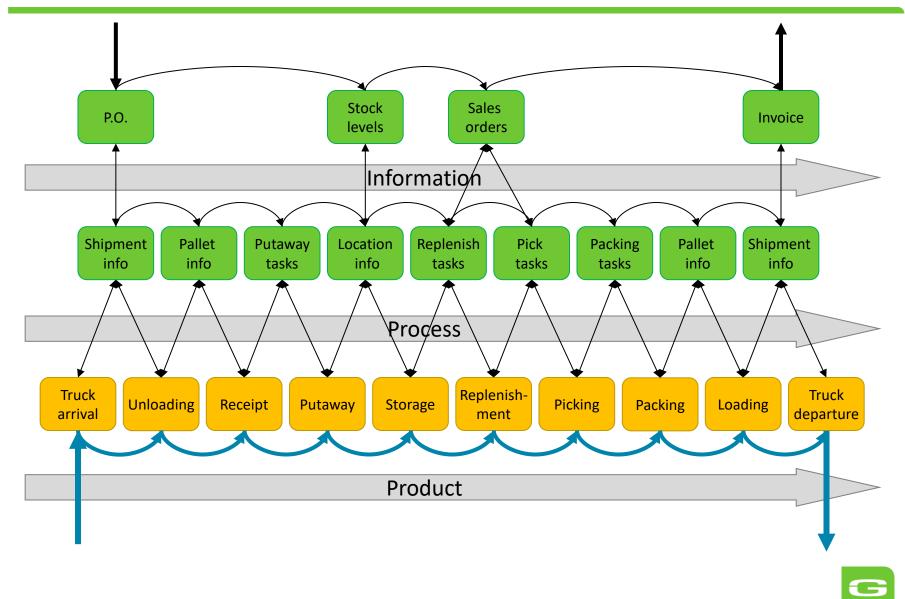


Trade off LEAD TIMES



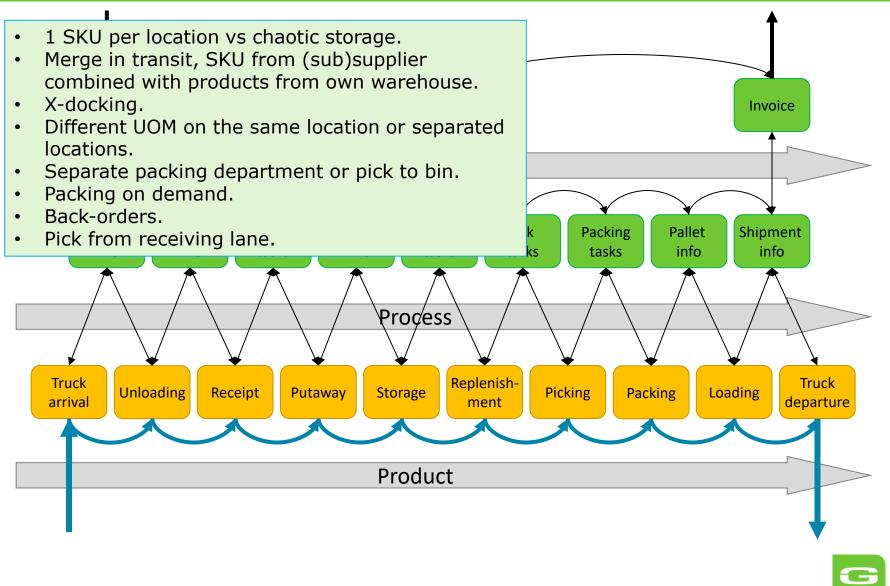


Integrated warehouse flows



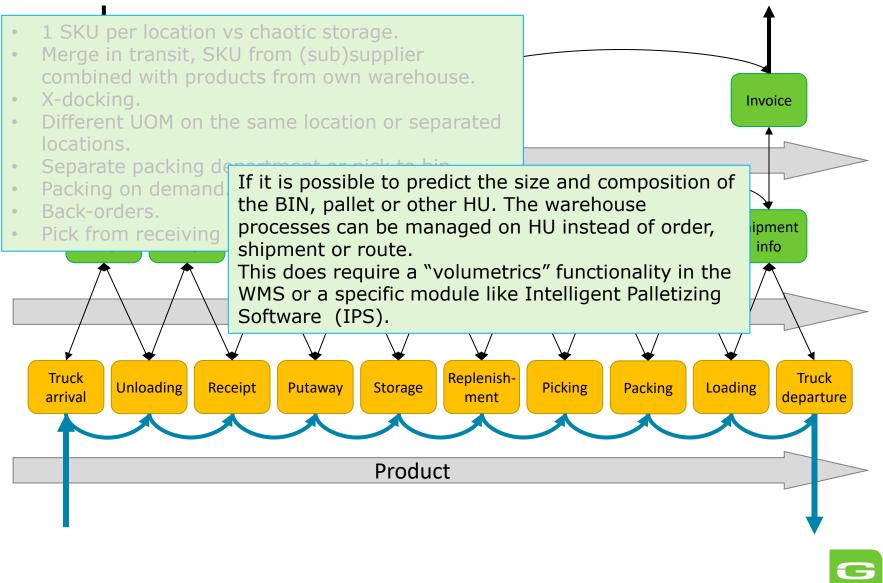
Increase complexity

INTEGRATED WAREHOUSE FLOWS



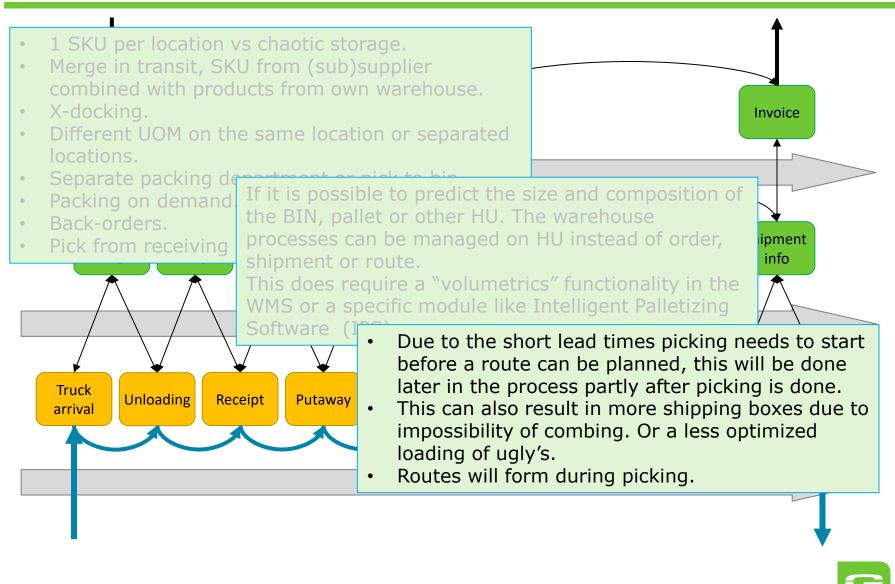
Predictable Handling Unit (HU)

INTEGRATED WAREHOUSE FLOWS



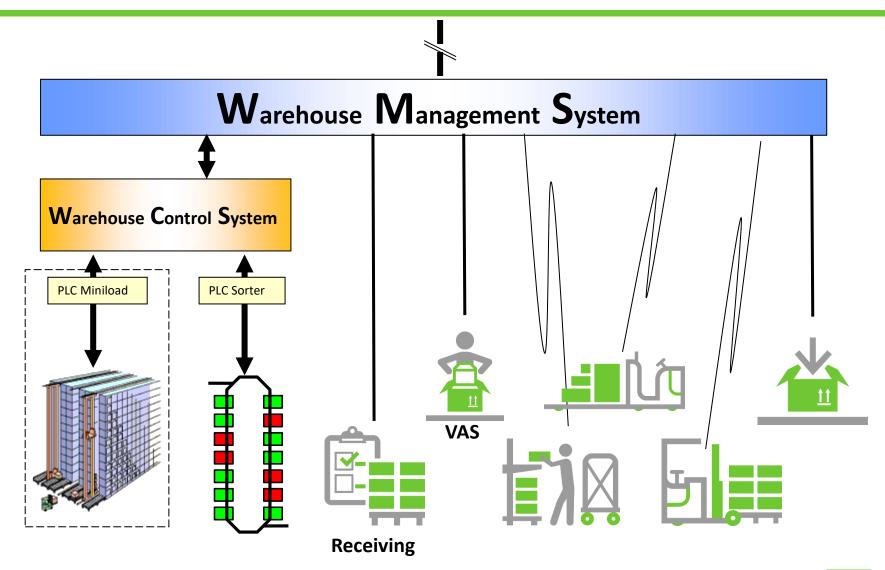
Integration WMS and TMS

INTEGRATED WAREHOUSE FLOWS



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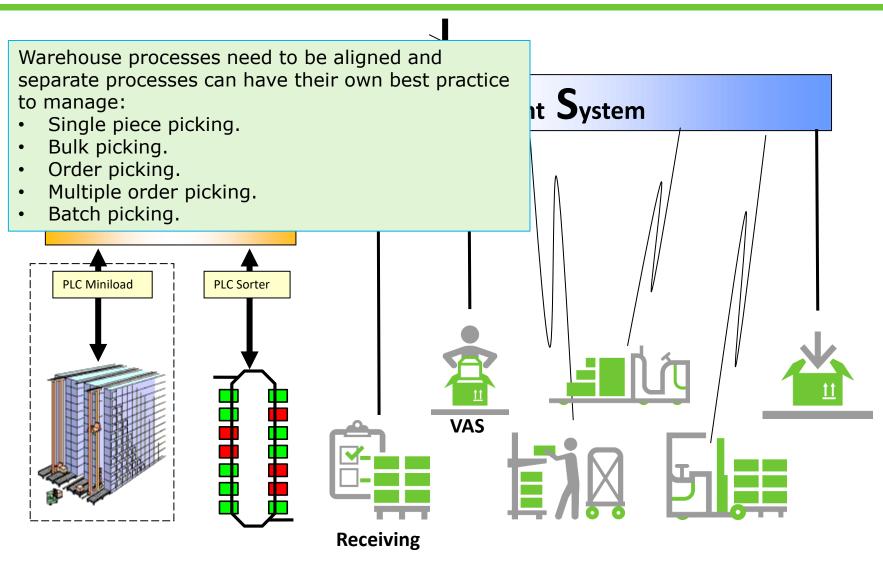
Integrated warehouse processes





Multiple tasks

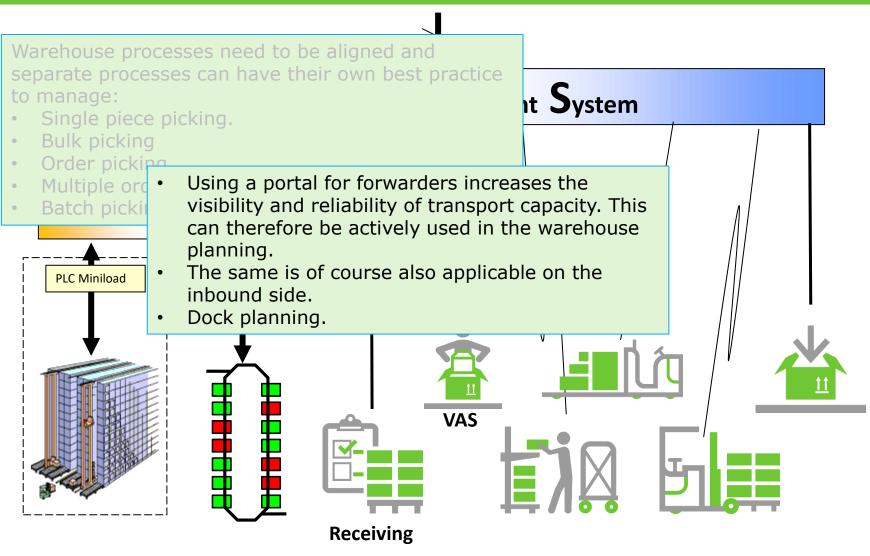
INTEGRATED WAREHOUSE PROCESSES





Time windows and transport planning

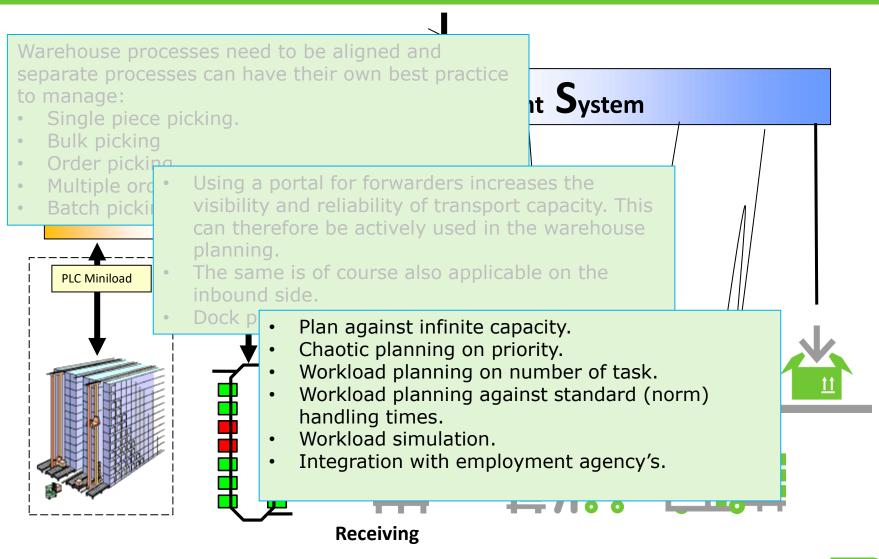
INTEGRATED WAREHOUSE PROCESSES





Workload planning

INTEGRATED WAREHOUSE PROCESSES







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