



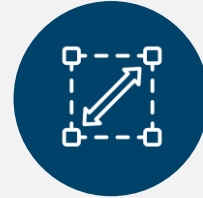
IT Vectura

Logistics of your processes

IT Vectura Logistics platform



Unified digital logistics space



Scalable solution for all types of businesses



Solution as a kit – **flexible adaptation** and tuning

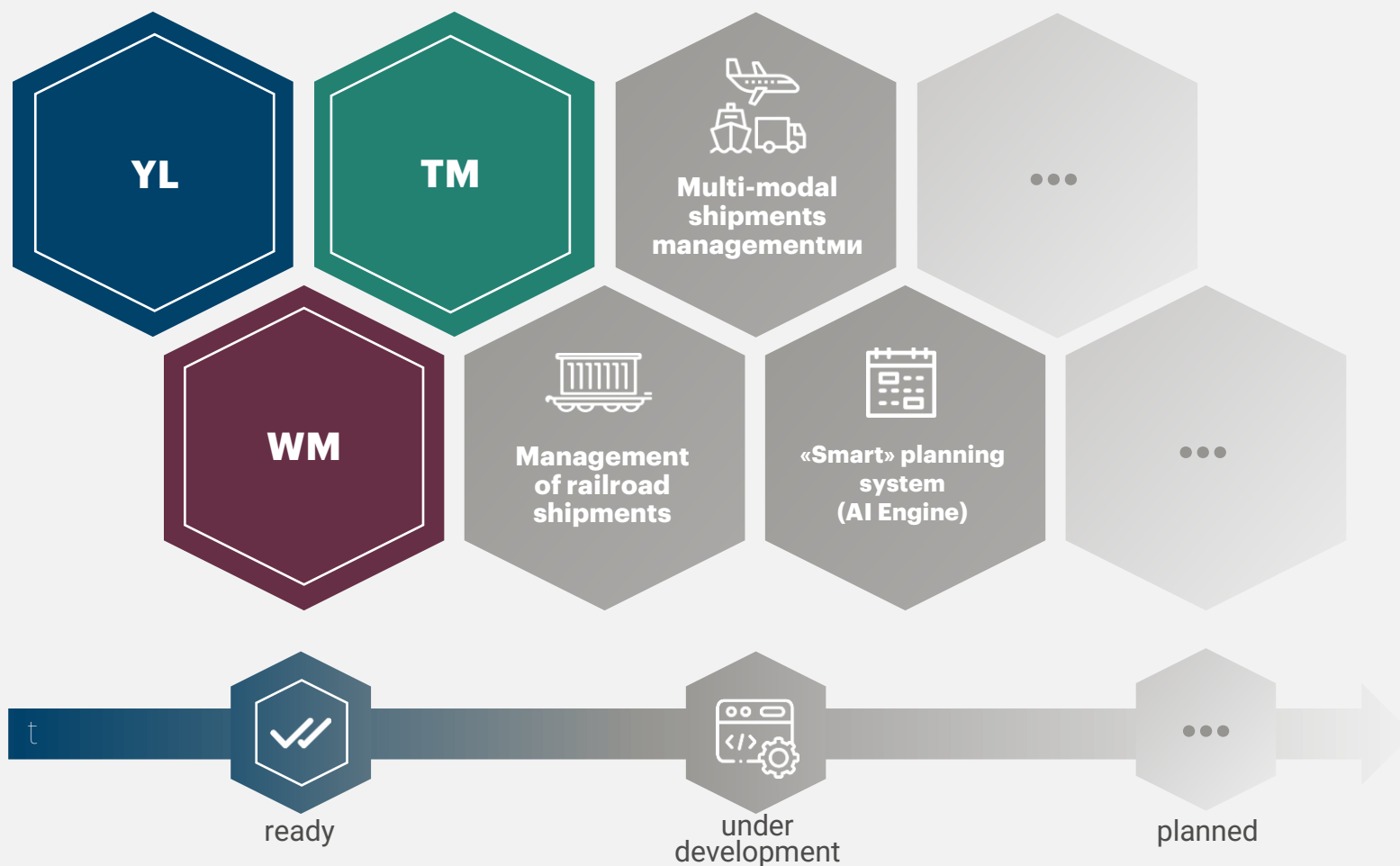


Platform's formats and deliverability:
Cloud and **On-Premise**



Launch and implementation in **14 days**

IT Vectura general functionality



YL

- Gates loading planning
- Electronic queue management
- Control over transport movement
- Notifications for drivers and warehouse staff

TM

- «Smart» orders planning (applying of AI technologies)
- 24/7 monitoring of transportation execution
- Automatic calculation of transportation costs
- Operative and analytical reports

WM

- Goods acceptance and accounting
- Packaging and shipment
- Organization of efficient storage systems (applying of AI technologies)
- Reporting and control over warehouse processes

IT Vectura YL general functions

Master data	Quotas	Processing request	Processing order	Execution tasks	Reports	
Products/groups of products	Organization chart Directory for managing open period / carrier	Manual slots booking for loading/unloading	Directory for managing open period/carrier	Manual data input for transport's stage completion	Execution plan/fact	Q1 2023
Business-partners	Warehouse capacity (m³, SKU, units) directory	Creation with Excel (Base)	Record for loading/unloading slots	Statuses from checkpoints	Dispatcher operative monitoring tool	Q2 2023
Transportation network (checkpoints, loading/unloading points)	Quotas directory for purchases / groups of purchases	Organization chart	Integration with ATI.SU freight exchange	Documents attaching	Monitor for loading/unloading slots booking	Q3 2023
Schedule (loading/unloading time slots)	Automatic time calculation for loading/unloading of certain products / groups of products	Manual quoting	Excel/API transportation management systems	Parking space management	Data extraction to BI system for analytical reports	Q4 2023
Organization chart		Automatic quoting	Automatic appointment for loading window	API with WMS system for tracking loading/unloading		
		Automatic slots booking for loading/unloading		API for weigh station		

MVP

YL1

YL2

YL3

Q1 2023

Q2 2023

Q3 2023

Q4 2023

IT Vectura TM general functions

Master data	Agreements	Demands	Planning	Execution	Calculations	Reporting	
Master data (location, transport,, business partners, organization chart)	Agreements	Manual input for transportations demands	Manual routes planning	Manual control over transportations executions	Manual costs calculation	Worklist of demands	Q1 2023
	Rates	Transportations demand input via Excel	Manual carrier selection	Print forms (Base)	Automatic costs calculation	Unified window for transportation planning	Q2 2023
Expanded master data (transportation zones, schedules, constant routes)	Automatic/manual determination for winner of the tender	API with external information systems for gathering demands	API for WMS/YL integration	API with location aggregators (Russian railways personal account, Marine traffic)	Reconciliation of transportation costs	Dispatcher monitors	
	API for integration with tender platforms	Logistics calculator	Automatic carrier selection	API with tracking systems (Omnicom, Vialon)	Costs distribution	Reports on completed hauls	Q3 2023
	Long-term tender for conclusion of contracts		API for integration with freight exchanges	Integration with ATI.SU freight exchange	Mutual settlements with carriers via personal account	Report on rates keeping	
			Interaction with carrier via personal account	Integration with geolocation services (Yandex, 2GIS)	Pre-claim activities	Charterer report	Q4 2023
			API for optimizer connection	Localization for railroads (integration with ETRAN system)		KPI of carriers/drivers	
			Automatic/incremental route planning	Fuel and lubricants accounting		Dara extraction to BI systems (reporting)	
			Transport loading planning	Mobile application for drivers			

MVP

TM1

TM2

TM3



IT Vectura WM general functions

Master data	Reception of materials	Inventory	Intra-warehouse premises	Materials release process	Reporting	
Setting up warehouse topology	Formation of cargo spaces	Manual tasks issuing for taking inventory	Binding warehouse type to type of supply	Unification of shipments into waves	Acceptance and shipment monitor	Q2 2023
Resource management	Manual determination of placement location	Taking inventory via DGT	Manual tasks creation for movement between the warehouse cells via DGT	Manual monitoring for materials issuing process and statuses changes	Warehouseman monitor	
	Manual creation of warehouse tasks for placement	Automatic fixing of shortages and surpluses	API for transmitting transportation request to the external system	Manual prioritizing of tasks for issuing materials	Monitoring over order assembly	Q3 2023
	Manual creation of print forms		Conducting warehouse reorganization	Parameters setup for forming warehouse orders	Gates loading monitor	
	Expiration date accounting			Automatic creation of waves based on transport unit or schedule	Plan-fact analysis	
	Integration with TM for transmitting events			Automatic determination of loading gates	Gathering statistics for operations, completed by all employees	
	Automatic determination of placement location			Goods reservation strategy		Q4 2023
	Automatic calculation of placement route					
	Automatic placement tasks issuing to the data gathering terminal (DGT)					

MVP

WM1,WM2

WM3



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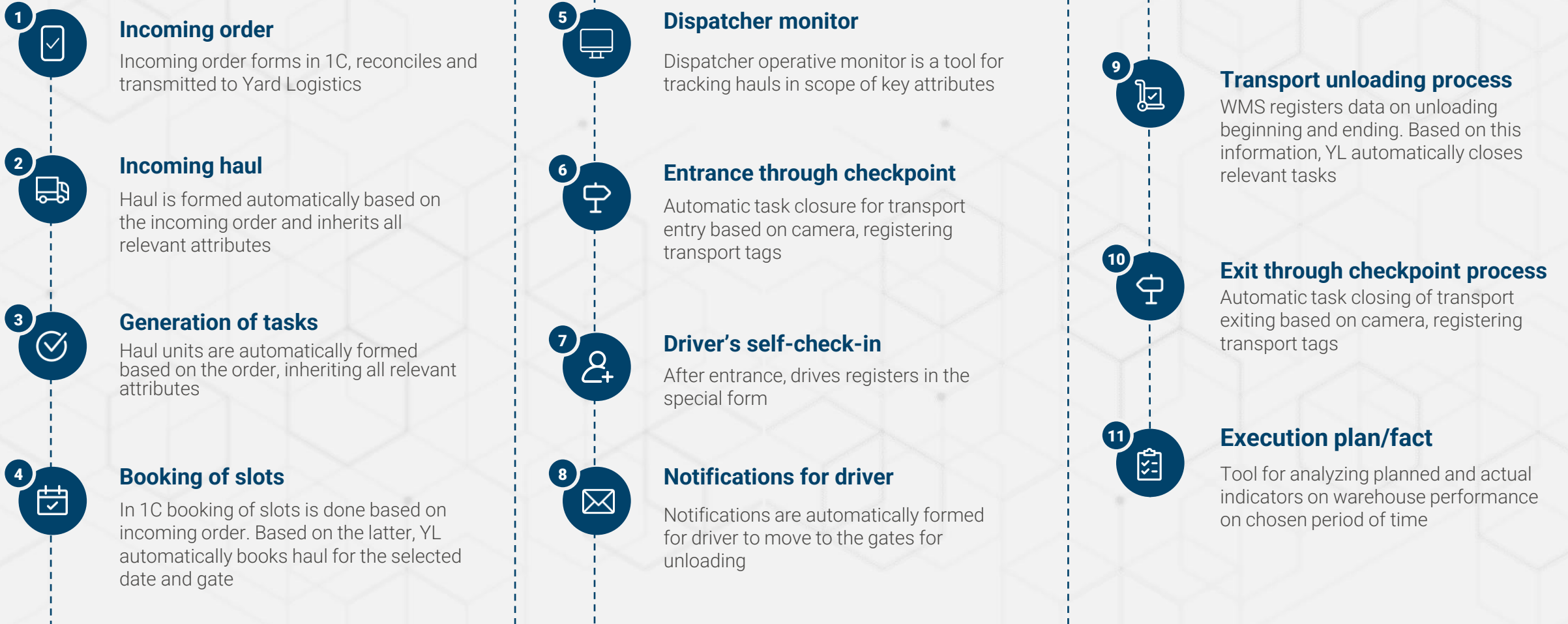
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Appendices

Yard Logistic

Yard management processes script

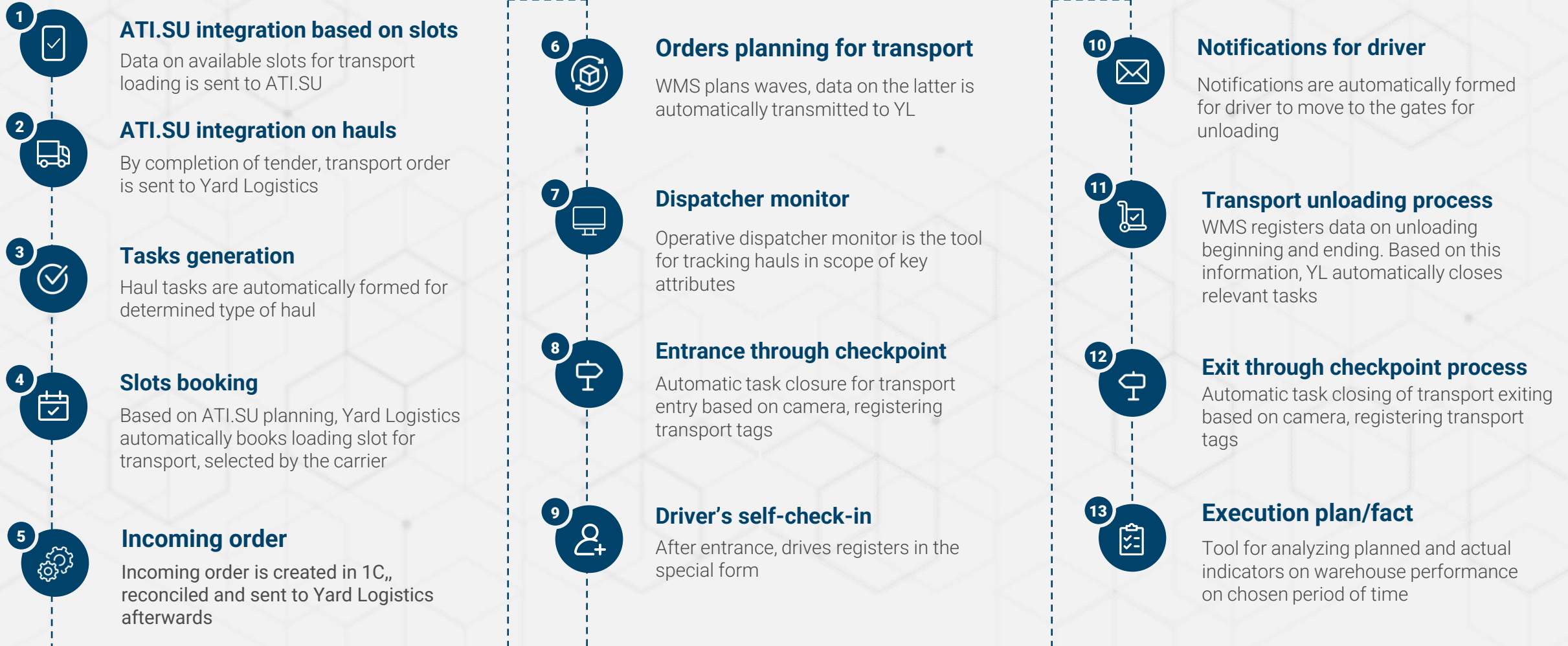
Incoming stream process



Yard Logistic

Yard management processes script

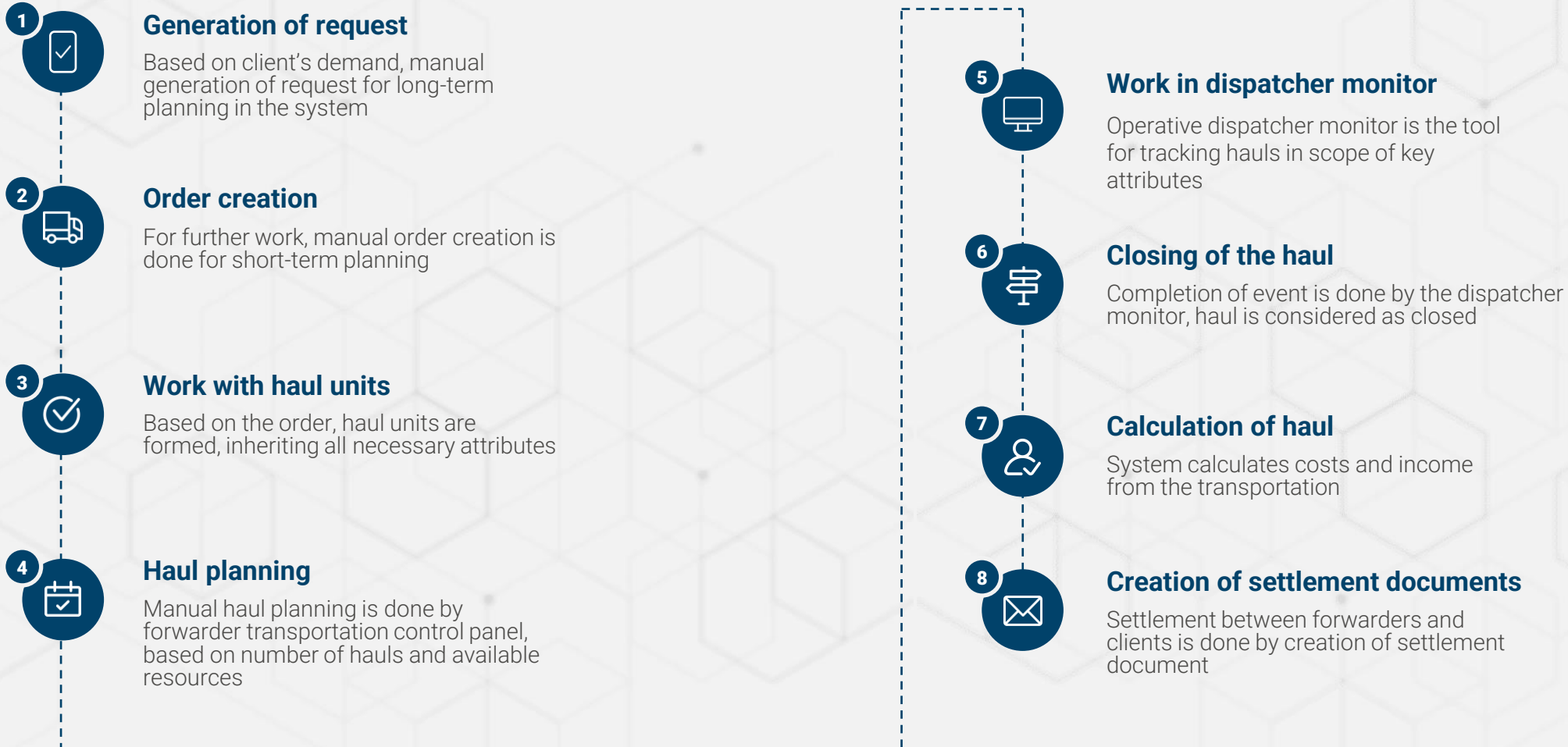
Outgoing stream process



Transportation Management

Transport logistics processes script

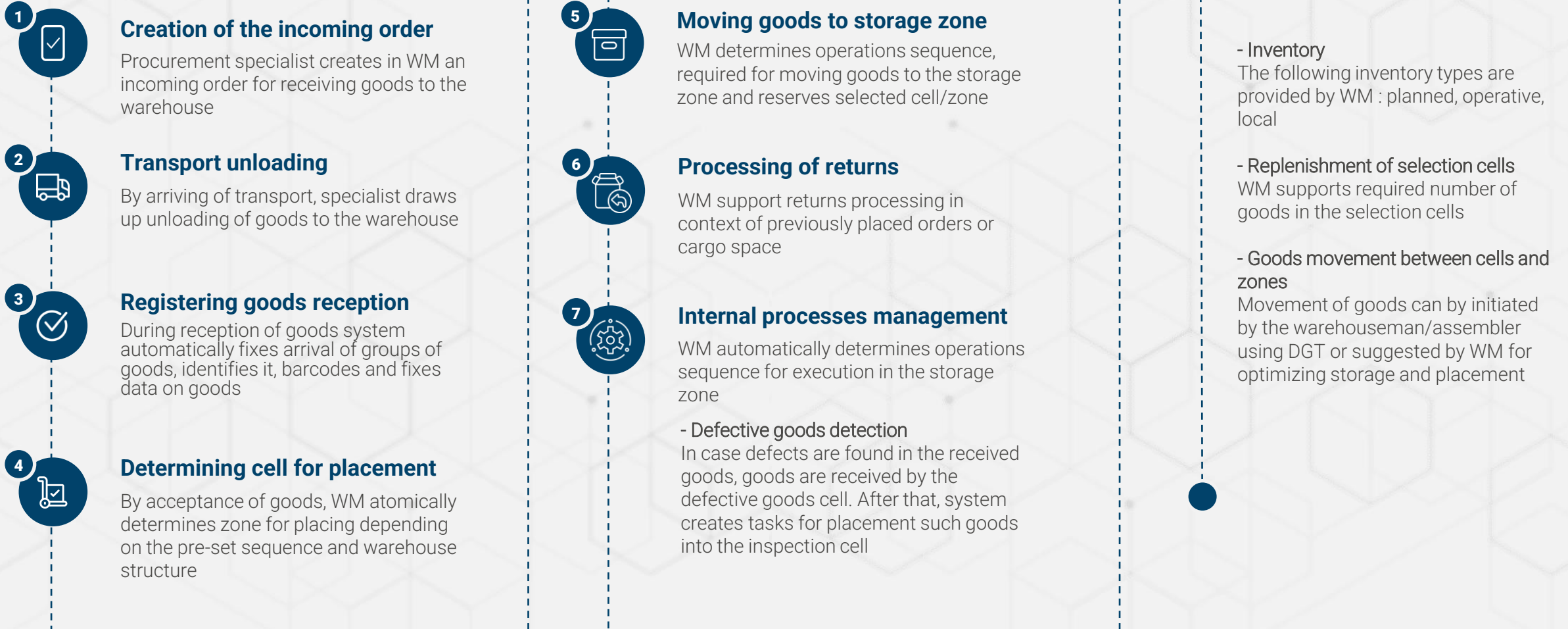
Base scenario



Warehouse Management

Warehouse management processes script

Incoming stream process



Warehouse Management

Yard management process script

Outgoing stream process



1 Forming a shipment order

Specialist forms shipment order from the warehouse using WM



2 Waves management

Using WM, specialist plans shipment waves for groups of goods in the warehouse



3 Selection of goods, determination of cells

By planning waves,, WM determines storage cells and sequence of operations for orders completion



4 Completion of order

At the order completion stage, system will suggests and displays optimal selection route via DGT



5 Goods packing

Type of packaging is automatically distributed for goods shipment, which should be completed by employee



6 Goods loading and release

System automatically generates tasks for loading based on set algorithms and sends data to the employee to the DGT



7 Dispatcher monitor

Dispatcher operative monitor is a tool for tracking hauls in scope of key attributes



8 Writing-off management

WM supports goods writing-off process