

Transforming Logistics Landscape



Content



Reality and challenges of logistics in Vietnam



Ecosystem of solutions



Technology



Support service for Enterprise



Strategic cooperation



Case Study



Reality and challenges of logistics in Vietnam



We start from understanding



Lack of qualified operation team



Difficulty in analyzing data to support decision making



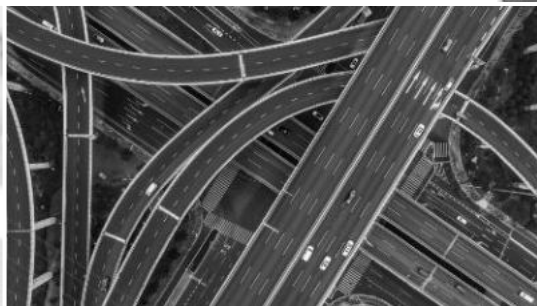
Ability to adapt to changes which are not timely



Facing an increasingly complex business environment



LOGISTICS CONCERNS OF VIETNAMESE ENTERPRISES



Lack of control, information and full-chain visibility at all levels



Ability to optimize operation with flexible solutions is limited

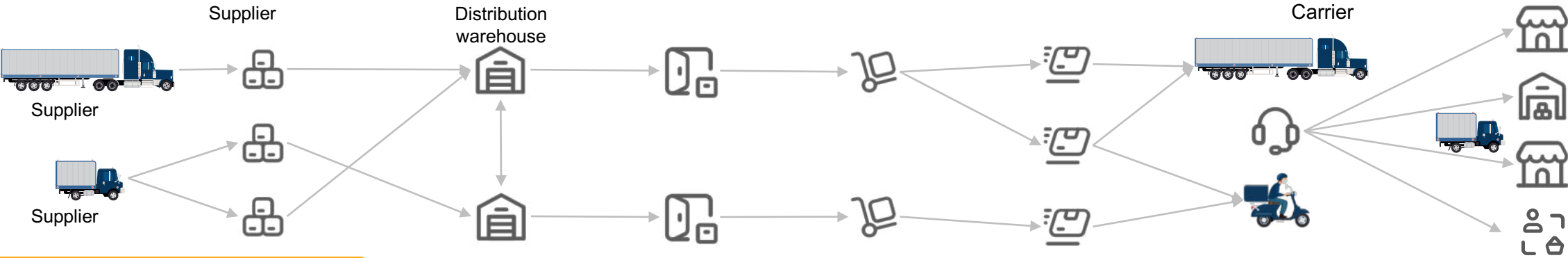


Ability to track & trace, to control shelf-life, good status is still low

Concerns arise throughout the logistics chain



	FULL CHAIN CONTROL	COST OPTIMIZATION	RISK CONTROL	SERVICE QUALITY
CONCERNS	<ul style="list-style-type: none">How to manage suppliers?There is no inbound plan to arrange receiving proficiency.	<ul style="list-style-type: none">Manual inventory allocation planUsing vendors inefficientlyThe delivery status cannot be tracked	<ul style="list-style-type: none">No strategy to import, store and export (manually)The storage area has not been optimizedLow productivityFailure to timely control warehouse operationsInventory deviationLots of out-of-system processingSystem is not integrated	<ul style="list-style-type: none">Collect order information from multiple disjointed sourcesManual planning takes time, is not optimalNot track & trace in timeManually cost controlLow delivery productivity, cannot control over delivery staff



LOW PRODUCTIVITY & LOST IN CONNECTION

<ul style="list-style-type: none">Purchasing DepartmentSupplierPlanning DepartmentAccounting	<ul style="list-style-type: none">Planning DepartmentTransportation planningWarehouseAccounting	<ul style="list-style-type: none">Planning DepartmentWarehouse (inbound, outbound, inventory)AccountingSales	<ul style="list-style-type: none">Planning DepartmentCoordinating DepartmentSalesAccountingCustomer service
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PRIVATE AND MANUAL SYSTEM

<ul style="list-style-type: none">ERPTMSExcel	<ul style="list-style-type: none">ERPTMSExcel	<ul style="list-style-type: none">ExcelSeparate accounting system	<ul style="list-style-type: none">TMSExcelDMS
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Specific difficulties of each enterprise



		MANUFACTURERS		DISTRIBUTOR, RETAIL				
		Factory - Warehouse	Factory – Carrier		Retailers - Warehouse Management		Retailers - Transportation Management	
Illustration								
	Concerns							
	Operation	<ul style="list-style-type: none">• Pressure from supplying material fully & accurately for production line• Difficulty in searching for material with manual storage for many product codes	<ul style="list-style-type: none">• Pressure of fast delivery, enough products for distributors• Pressure of incident control and manual communication zalo, phone	<ul style="list-style-type: none">• Pressure to manage many shippers and many different items• Difficulty in arranging goods in peak season• Manage batch/lot, shelf-life	<ul style="list-style-type: none">• Complicated shipping methods for GT, MT, KA., Ecommerce channels• Wasting time queuing supermarket channel• The binding procedure for each receiving point is different• How to optimize the delivery route?			
Management	<ul style="list-style-type: none">• Low inventory accuracy• Loss of goods• Depending on labor experience	<ul style="list-style-type: none">• Difficult to find the optimal solution for vehicle• Pressure to reduce transportation costs• Difficulty in Fleet and expense management	<ul style="list-style-type: none">• Optimizing inventory expense• Loss control• Operation control	<ul style="list-style-type: none">• Complex fleet and lack of tools management• Taking times to manage customer complaints and grievances• Difficult to optimize fleet expense				

Clearly see 4 common challenges



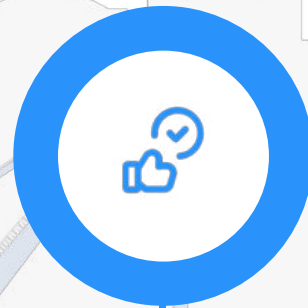
EXPENSE OPTIMIZATION

- Optimizing inventory
- Optimizing warehouse operations
- Optimizing vehicle and operating expenses



RISK CONTROL

- Managing inventory accurately
- Managing cash flow from delivery
- Managing operational risks



INCREASING SERVICE QUALITY

- Best/Fastest delivery time
- Best product quality



FLEXIBLE WITH CHANGES

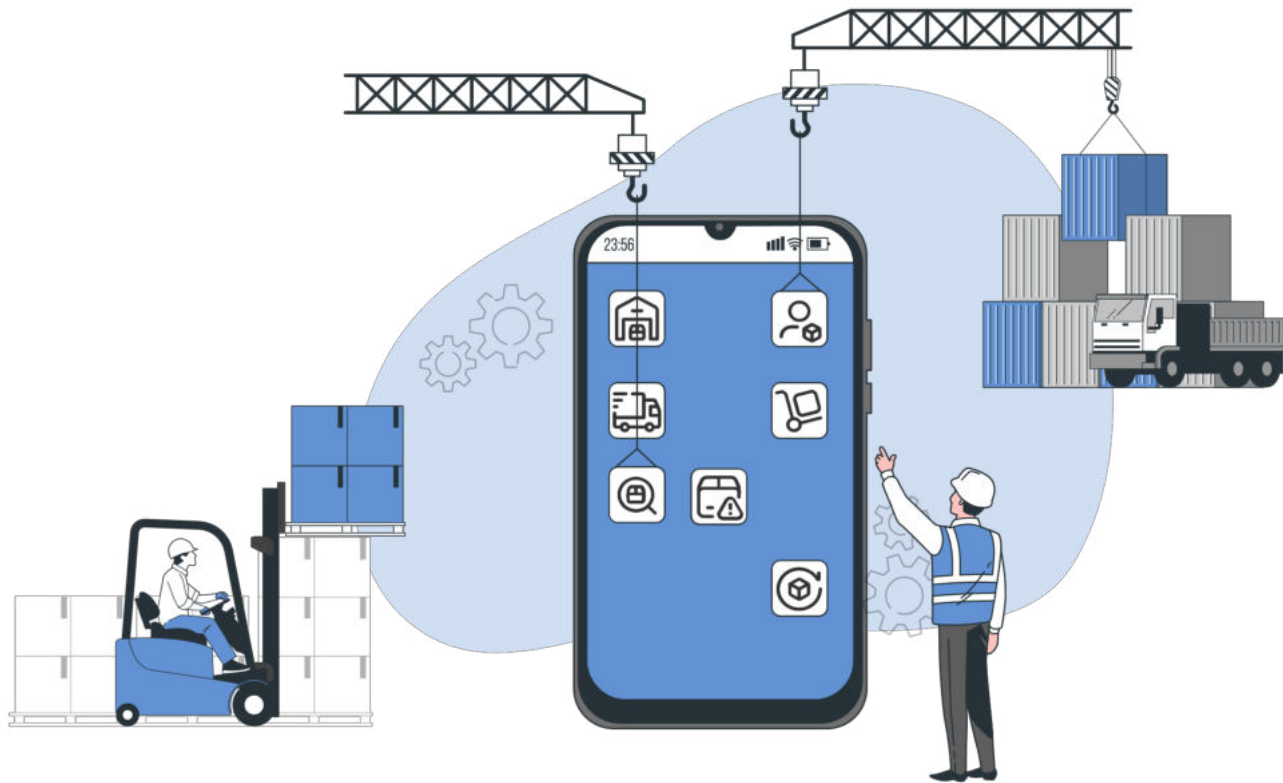
- Operation is ready for 2X, 3X growth
- Adapt flexibly to market changes



And the trend of change



“Gartner research shows that all the leading companies in Supply Chain are well aware that **Technology** is the advantage and competitive strength” (*)



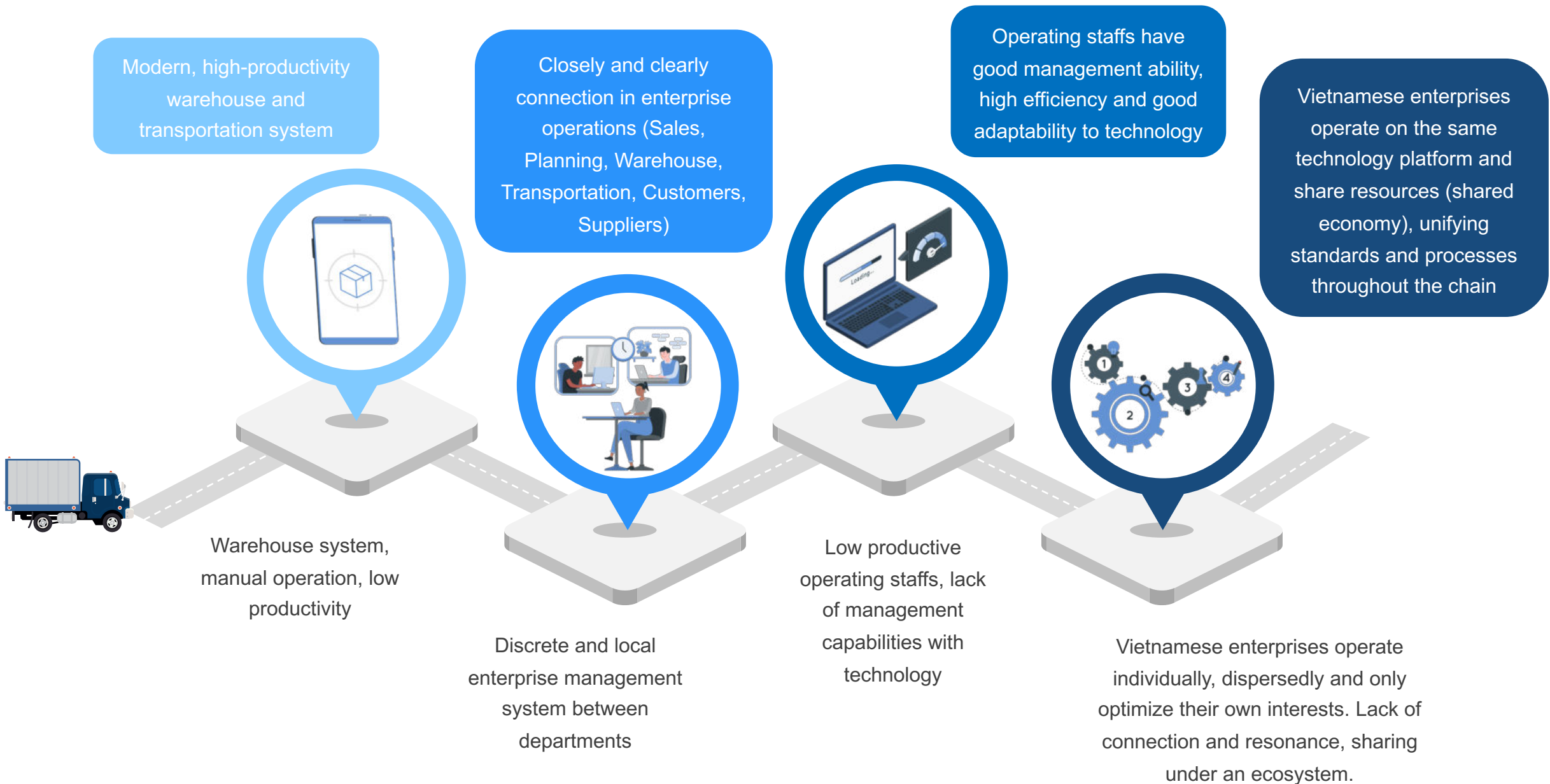
20- 29% of Vietnamese enterprises are expecting to transform to change the logistics platform by applying IT with 4 models (**)

- Tracking & Tracing
- Warehouse Management
- Transport Management system
- Barcode Scanning & RFID

(*) www.gartner.com/smarterwithgartner/gartner-top-8-supply-chain-technology-trends-for-2020

(**) Logistics Report 2020_Ministry of Industry and Trade

Therefore, we can orient to lead the change



6 groups of solutions that Smartlog brings to you

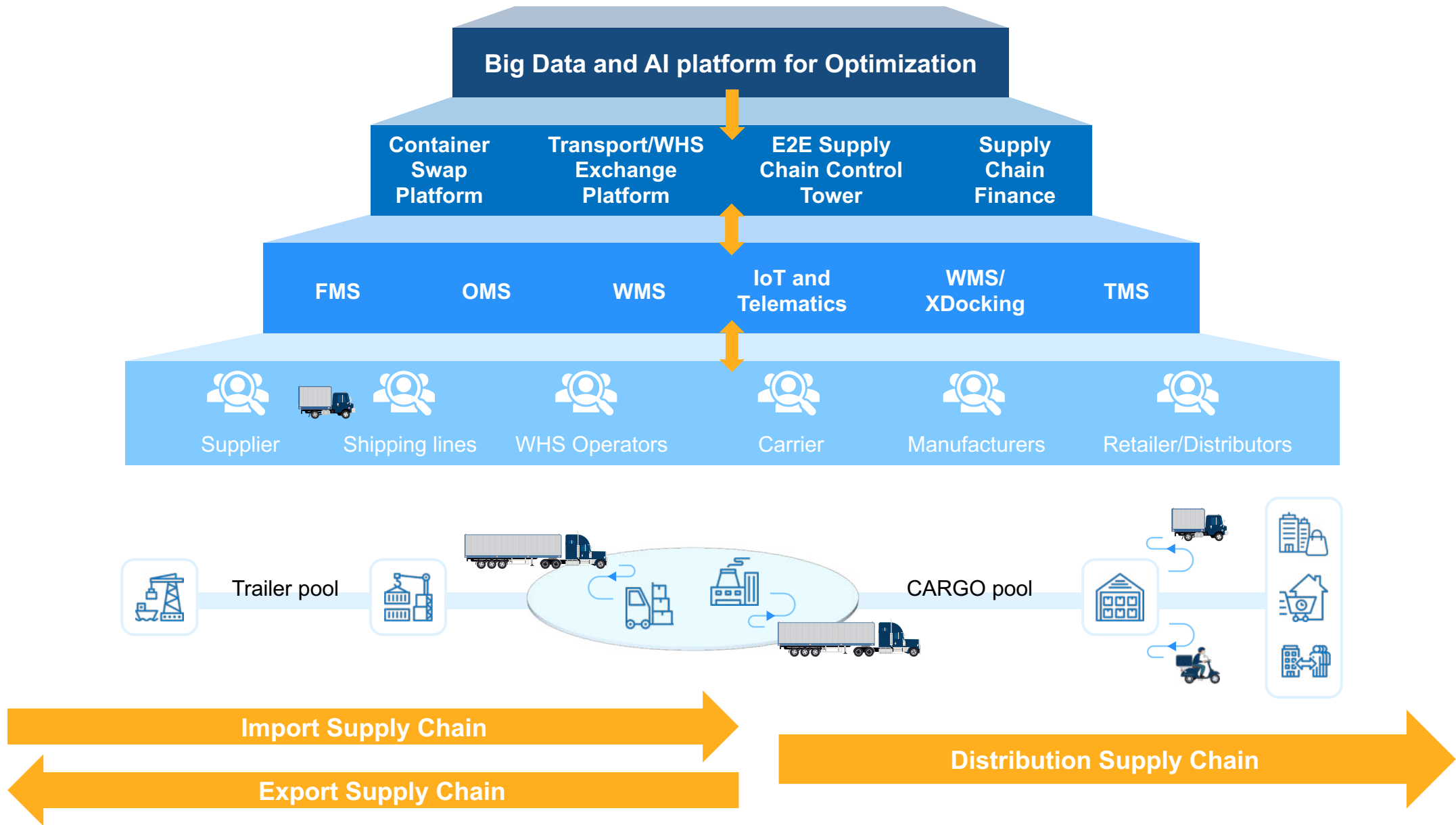


6 steps to accompany enterprises



Target					
Understand the reality from all angles <ul style="list-style-type: none">ExpenseProcedureSystemPersonnelTargetChallenge		Compare reality with best practices <ul style="list-style-type: none">ConcernCauseAffectComparison with best practicesPreliminary orientation		Propose suitable operating model based on customer's goals, priority, appropriate time and expense	
Approaching					
<ul style="list-style-type: none">Build a questionnaireSite surveyInterviewCollect expensesUnderstanding the reality		<ul style="list-style-type: none">Current expenses analysisCollect best practices that are suitable for specific customersCompare and evaluate as-is versus best practices		<ul style="list-style-type: none">Model DesignTest run and compare modelsFeature designProcedure designDesigning training programs	
Result					
As-is Review Documents		System design – To-be Blueprint		<ul style="list-style-type: none">System goliveResult of personnel training	
				<ul style="list-style-type: none">GOLIVE24/7 SUPPORT	
				<ul style="list-style-type: none">Deploying solutions synchronouslyAppraisal and evaluation/adjustment with users	
				<ul style="list-style-type: none">GOLIVE24/7 SUPPORT	
				<ul style="list-style-type: none">Extend the solutionComplete supply chainFull chain optimization solution	
				<ul style="list-style-type: none">Evaluate project valueEvaluate expansion opportunitiesUser Interview	
				Project evaluation profile and the opportunity to expand	

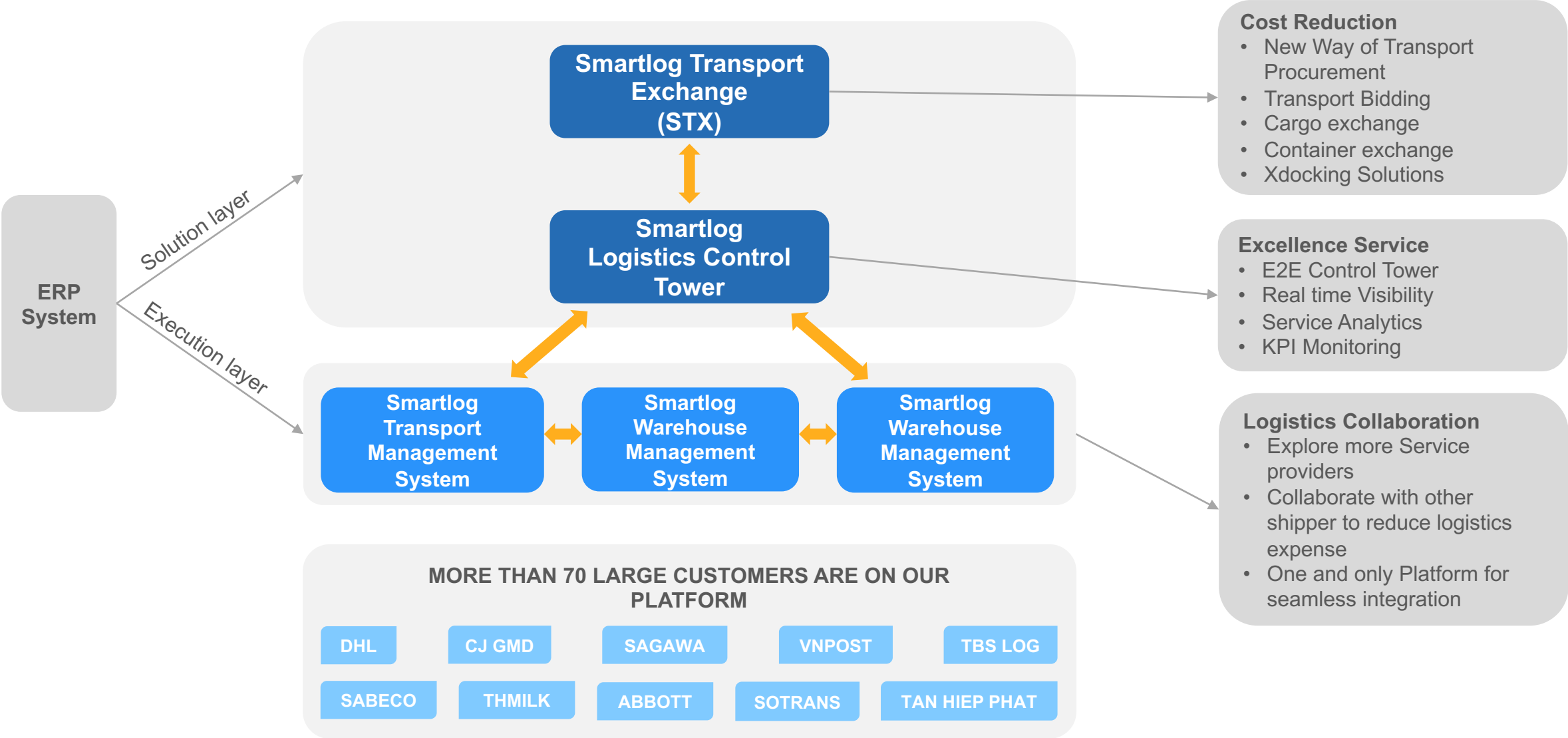
With the mission to create a comprehensive logistics platform for the future



Helping businesses expand IT platforms for the entire supply chain



Clients (Shippers) can implement Smartlog E2E Supply Chain Platform to improve logistics model



Set of 5 core and pioneering products



- Start with CMA CGM, Maersk, Hapag Lloyd, Trucking Alliances Expanding Other Shipping Lines
- >100 Re-Use Request/day



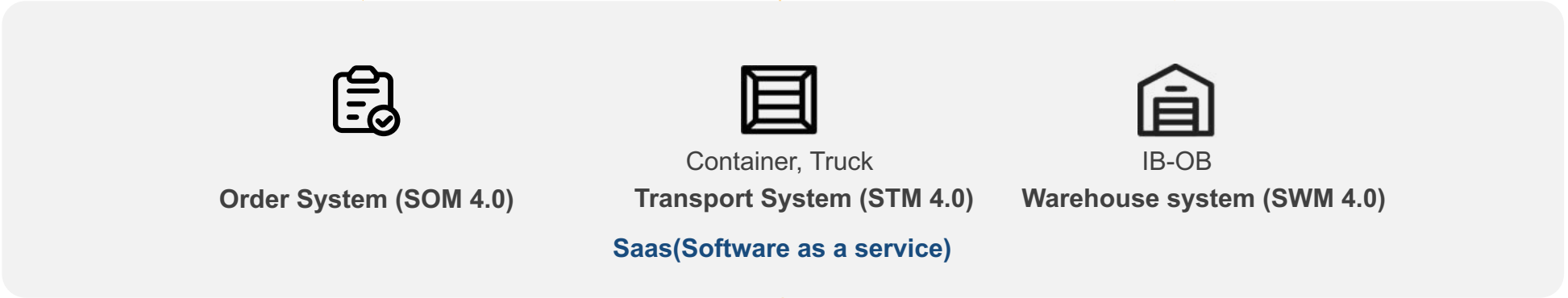
- Cooperate with VNPost, HTC,.. 100 transactions/day
- **2020 expectation** : Total transaction Value: 5 Mil USD

LaaS Platform



- Supply chain solutions for distribution trucking and Im-Ex container
- B2B marketplace
- Focus on large and medium size clients
- Minimize account acquisition time
- Little efforts, greater result

SaaS Platform



- Software As A Service (SaaS)
- Convertible to traffic in marketplace within short time with multi transaction

Constantly innovating to develop intellectual products



Smartlog has been honored to receive the **Sao Khue Award** for 3 consecutive years for the trio of software solutions for optimizing logistics resource management..



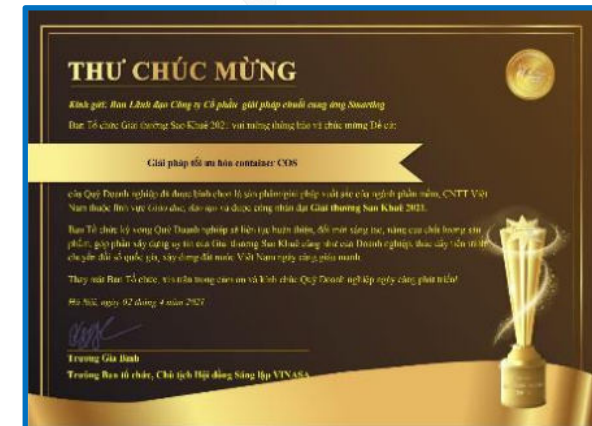
2019

Sao Khue Award for
Transport Management
Solution (STM)



2020

Sao Khue Award for
Warehouse Management
Solution (SWM)



2021

Sao Khue Award Container
Optimization Solution (COS)



Accompanying leading customers in the manufacturing and distribution industry



LEADING ENTERPRISE OF BEVERAGE INDUSTRY (Solution : SWM, STM, CONTROL TOWER)

- Number of daily truck : > 500
- Number of daily trip : 700
- Number of sub-vendors : 30
- Number of warehouses : 100



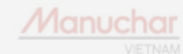
LEADING ENTERPRISE OF FMCG DISTRIBUTION (Solution : STM, SWM)

- Number of order/day : 4200+
- Number of daily truck : 2000+
- Number of daily trip : 700
- Warehouse m2 : 30.000m2
- Number of vendors : 30+



DAIRY PRODUCTION AND DISTRIBUTION (Solution: STM, SWM)

- Number of daily truck : 184
- Number of daily trip : 94
- Number of order/day : >1000+
- Number of vehicles : 146
- Number of sub-vendors : 11
- Number of warehouses : 8



PRODUCTION AND DISTRIBUTION OF CONSTRUCTION PRODUCTS (Solution: STM, SWM)

- Number of daily truck : 100
- Number of daily trip : 200
- Number of order/day : 500
- Number of vehicles : 200
- Number of warehouses : 3
- Warehouse m2 : >10.000m2

Becoming a technology platform to help logistics enterprises expand and develop



GEMADEPT[®]
LOGISTICS operational excellence™

LEADING GROUP OF PORTS AND LOGISTICS ECOSYSTEM (Solution: STM)

- Number of daily truck : **400**
- Number of daily trip : **300 - 500**
- Number of order/day : **1000**
- Number of vehicles : **180**



LEADING COMPANY OF LOGISTICS (Solution : STM)

- Number of daily truck : **200-300**
- Number of daily trip : **~200**
- Number of order/day : **~300**
- Number of vehicles : **155**



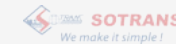
LEADING COMPANY OF LOGISTICS (Solution : STM)

- Number of daily truck : **300-500**
- Number of daily trip : **300-500**
- Number of order/day : **~1000**
- Number of vehicles : **905 trucks**



LEADING COMPANY OF SUPPLYING LOGISTICS INTEGRATION SERVICE & SUPPLY CHAIN SOLUTION (Solution : SWM)

- Number of daily truck : **~300**
- Number of daily trip : **~200-300**
- Number of order/day : **1000**
- Number of vehicles : **115**
- Number of warehouses : **7**
- Warehouse m2 : **230,000 m2**



TBS LOGISTICS (Solution : SWM)

- Number of daily truck : **~2000**
- Number of order/day : **~10.000**
- Number of vehicles : **68**
- Number of warehouses : **7**
- Warehouse m2 : **220.000 m2**



TOP 10 LOGISTICS COMPANY WITH NETWORK OVER 100 COUNTRIES (Solution : SWM)

- Number of warehouses : **6**
- Number of order/day : **200-500**
- Warehouse m2 : **7,500 m2**





Smartlog's footprints have been placed all over the country

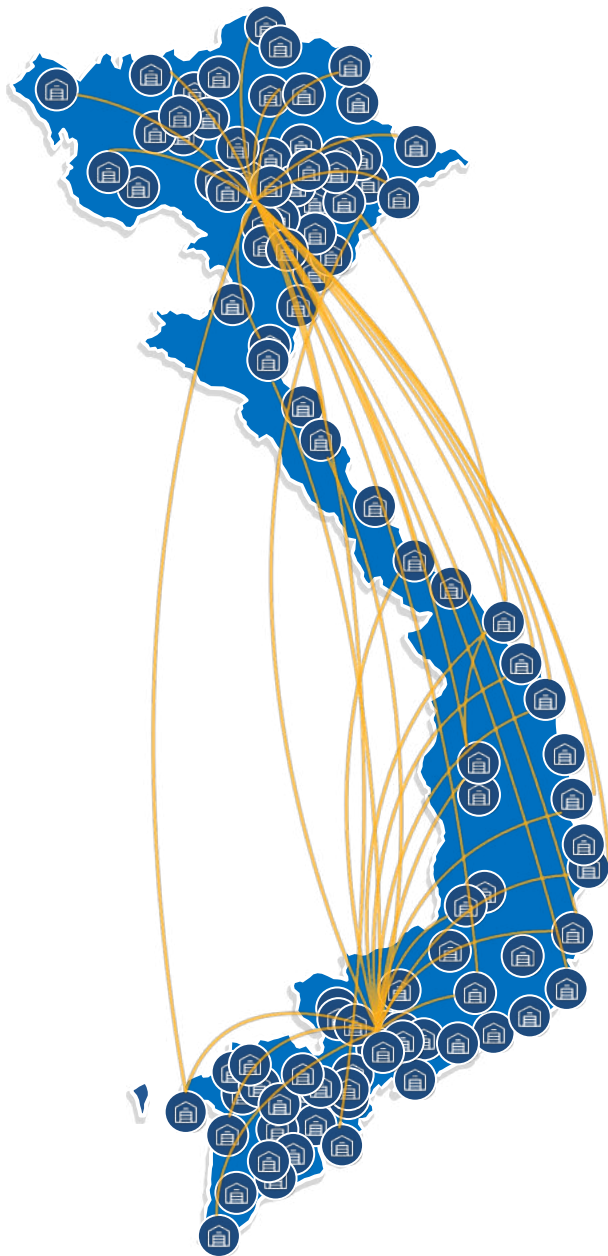


SWM

Warehouse System

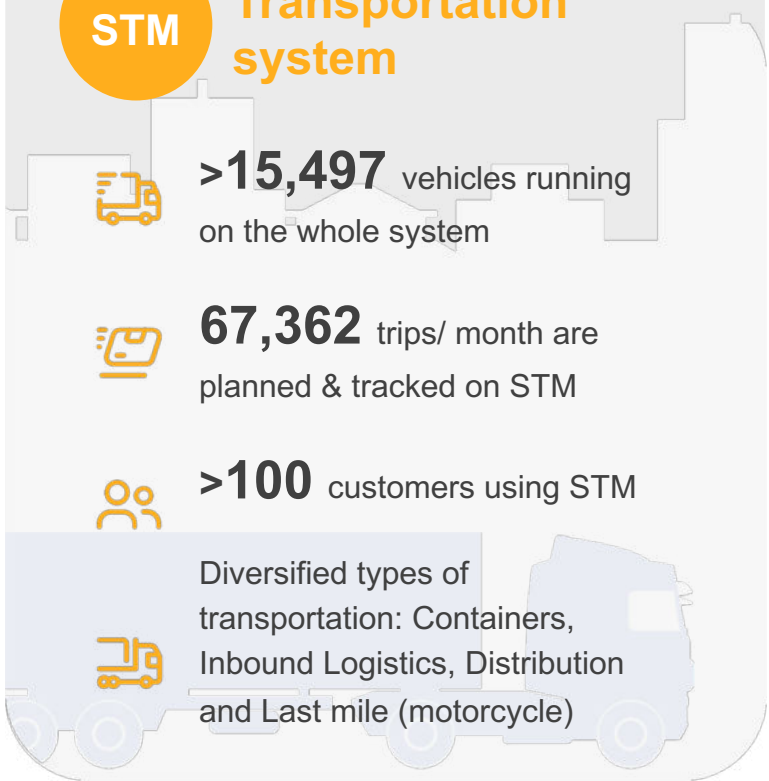






-  **3,911,703** orders processed on SWM
-  **>50,000** SKU managed on SWM
-  **>100** warehouses
-  **>3000** Hubs



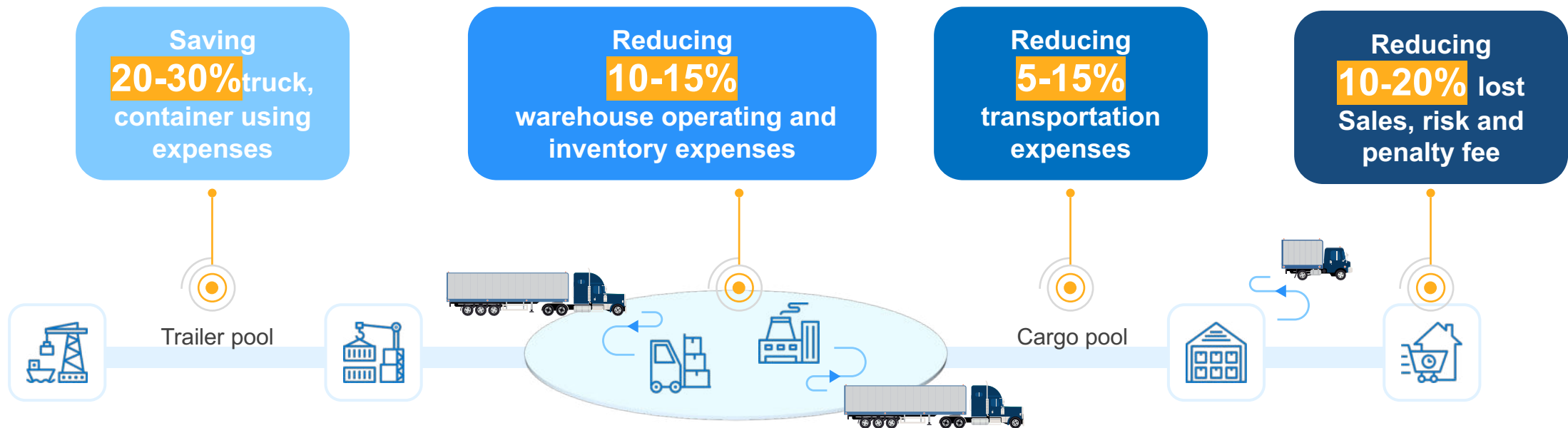
STM

Transportation system



-  **>15,497** vehicles running on the whole system
-  **67,362** trips/ month are planned & tracked on STM
-  **>100** customers using STM
-  Diversified types of transportation: Containers, Inbound Logistics, Distribution and Last mile (motorcycle)

Proud to contribute value to the enterprise and the entire industry



Reducing **10-15%** of full-chain general operating expense from comprehensive connection of systems on 1 ecosystem



Increasing customer service quality



Boosting creative spirit and innovation in business



Increasing sensitivity and adaptability with changes

With a team of talented Vietnamese professionals



Vi Lại – Head of Sales

- EMBA, QUAM University, Canada
- 17 years in logistics, supply chain, sales and business development working in APL Logistics, Schindler, Panalpina, DHL Ecommerce

Hùng Đặng – Head of Technology

- Master of IT, JAIST, Japan
- 10 years in large scale technology
- 7 years working in Japan: Tsudakoma, Hayabusa

Khuyên Nguyễn – Head of Product & Solutions

- BA, Economics University of HCMC
- 10 Years of experience in logistics consulting and solutions
- Worked: CJ Gemadept Logistics, DHL Supply Chain

Giang Lê – Program Manager

- Master of Business Analytics and Science Management.
- Over 7 years of warehouse, ecommerce management and designing solution.
- Used to work for multinational companies such as: Singlun Global, Lazada, Noon Ecommerce.

Thành Lại – Head of Operation

- Bachelor of Logistics, HCMC Transport University
- 6 years in logistics, operation, and consulting
- Used to work in CJ Gemadept Logistics

Hạnh Đỗ – Head of AI and Data Sciences

- Ph.D. in Mathematics, UC Berkeley, USA
- His recent research deals mainly with Mathematical Foundations for AI, Machine Learning and Optimization for Logistics

Thịnh Lê- Head of Finance

- BA in Finance, ACCA
- Over 10 years of experience in Audit and Corporate Finance
- Used to work for multinational companies : PwC Vietnam, Suntory Pepsico Vietnam Beverage, Anheuser-Busch InBev BU SEA

Nam Đoàn– D.Head of Platform

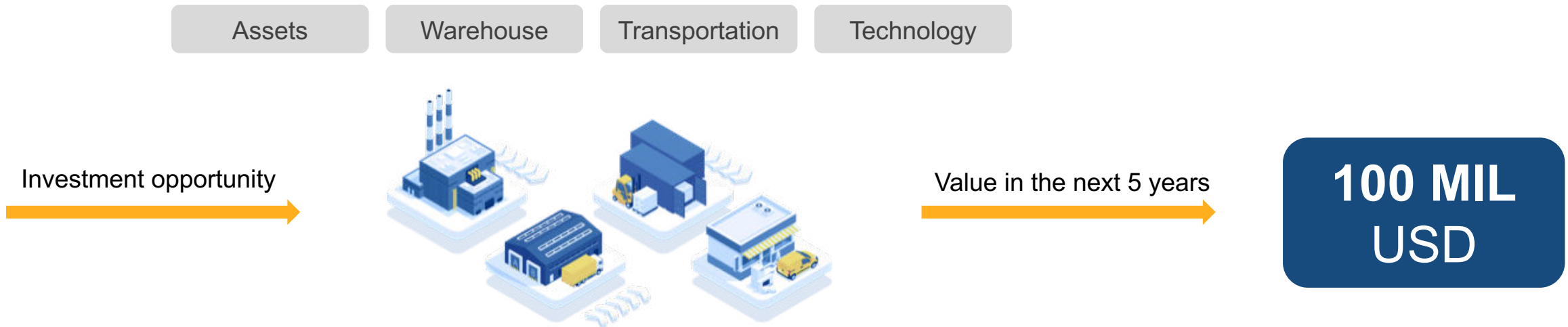
- Msc, Logistics Management, Rotterdam, The Netherlands
- 8 years of experience in logistics operation and business development
- Used to work for Gemadept Logistics, Maersk, Ceva Logistics and Ecotruck.

Kurt Bình – Founder/CEO

- Graduate of Master Supply Chain Management, MIT, the U.S.A
- 17 years of experience in logistics industry and supply chain, consulting logistics projects



Smartlog is building the best, largest and only Logistics integrated ecosystem in Vietnam and Southeast Asia



VISION

Become the first integrated platform and ecosystem for logistics operation with the largest coverage in Vietnam - ASEAN

MISSION

Engage, Provide and Improve efficiency for all stakeholders in supply chain through E2E Platform by leveraging Technology and People and Assets

Founded in
2015

Employee
100+

Head office
HO CHI MINH CITY

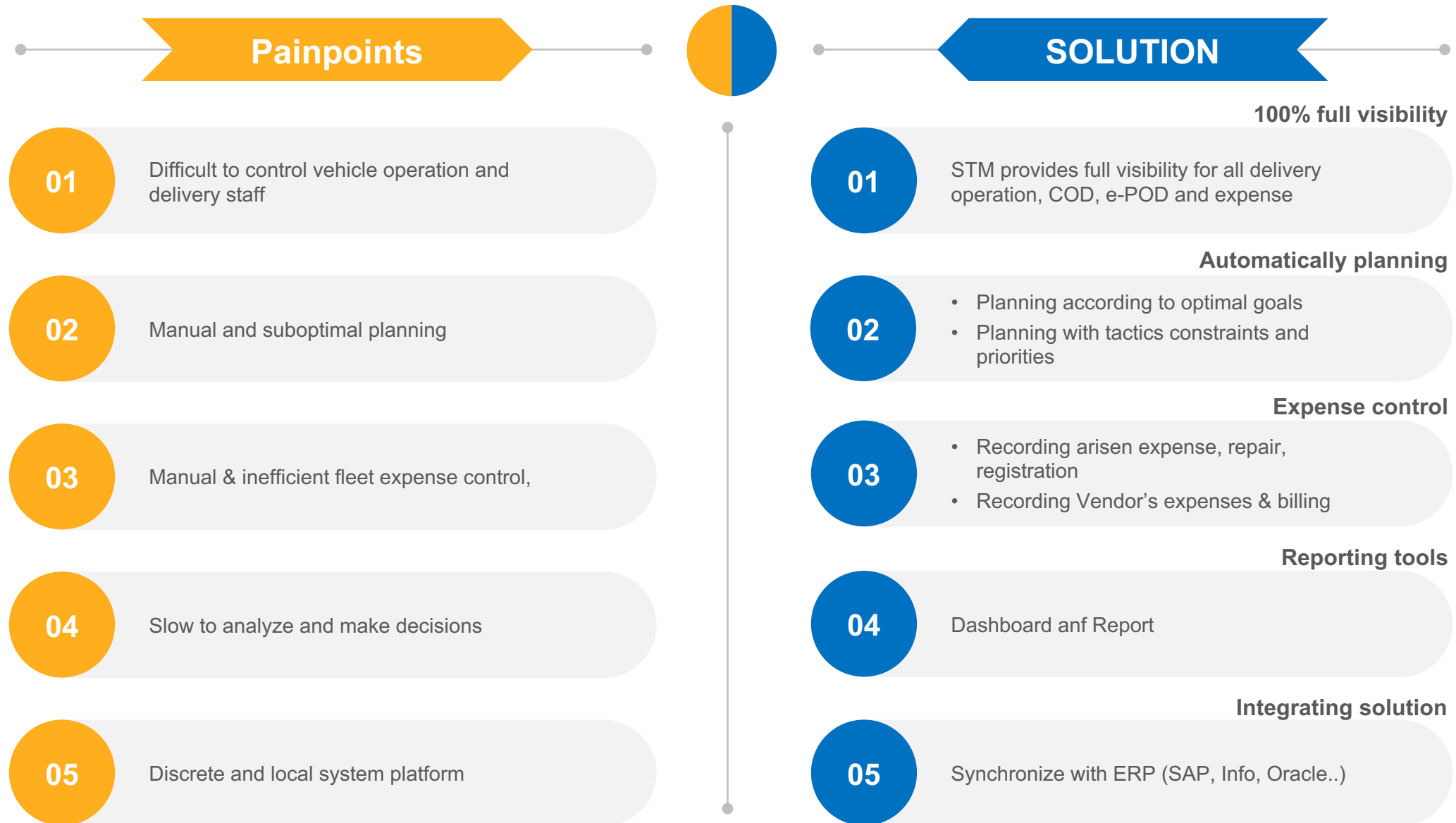
Ecosystem of solutions



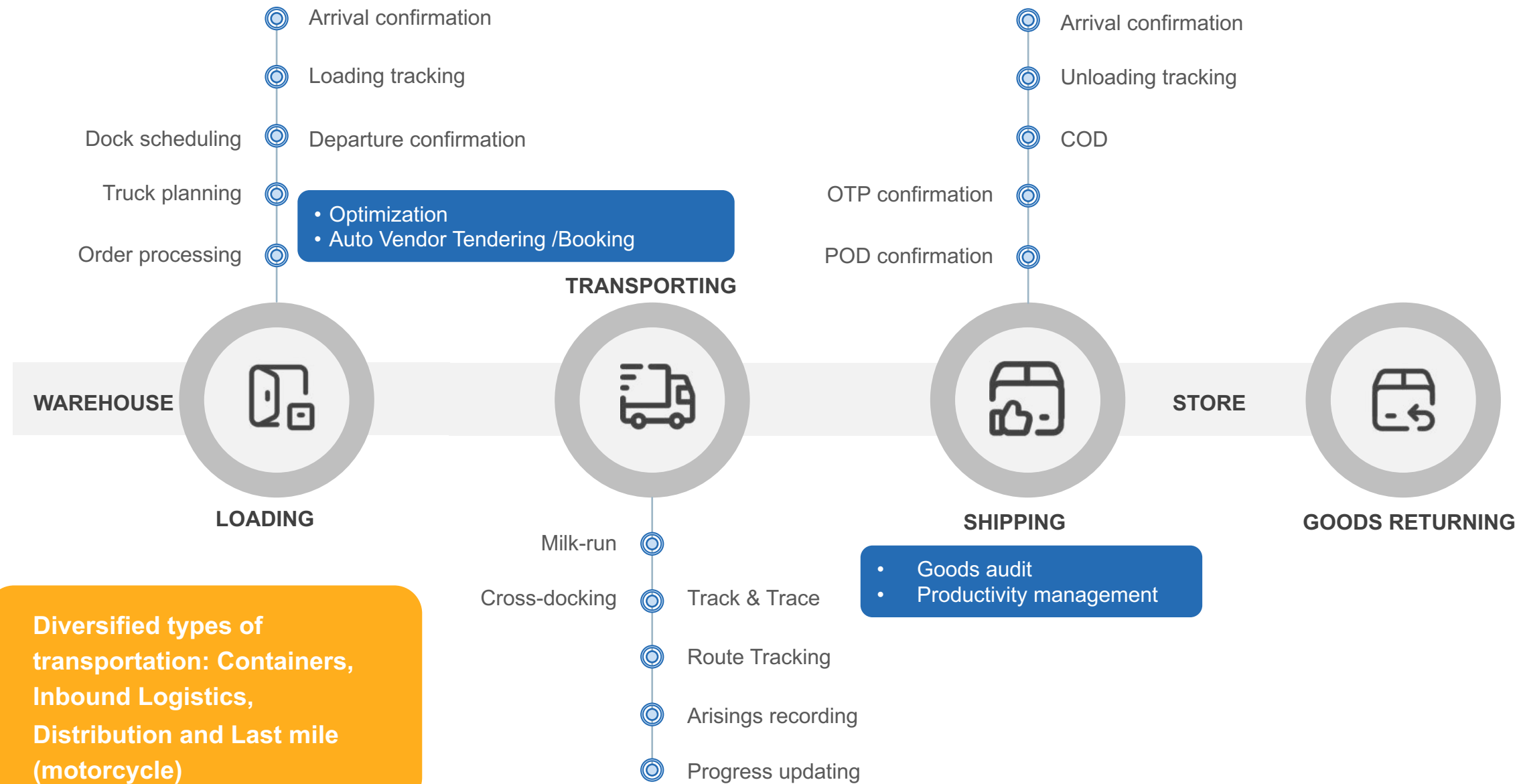
Transportation Management Solution - STM



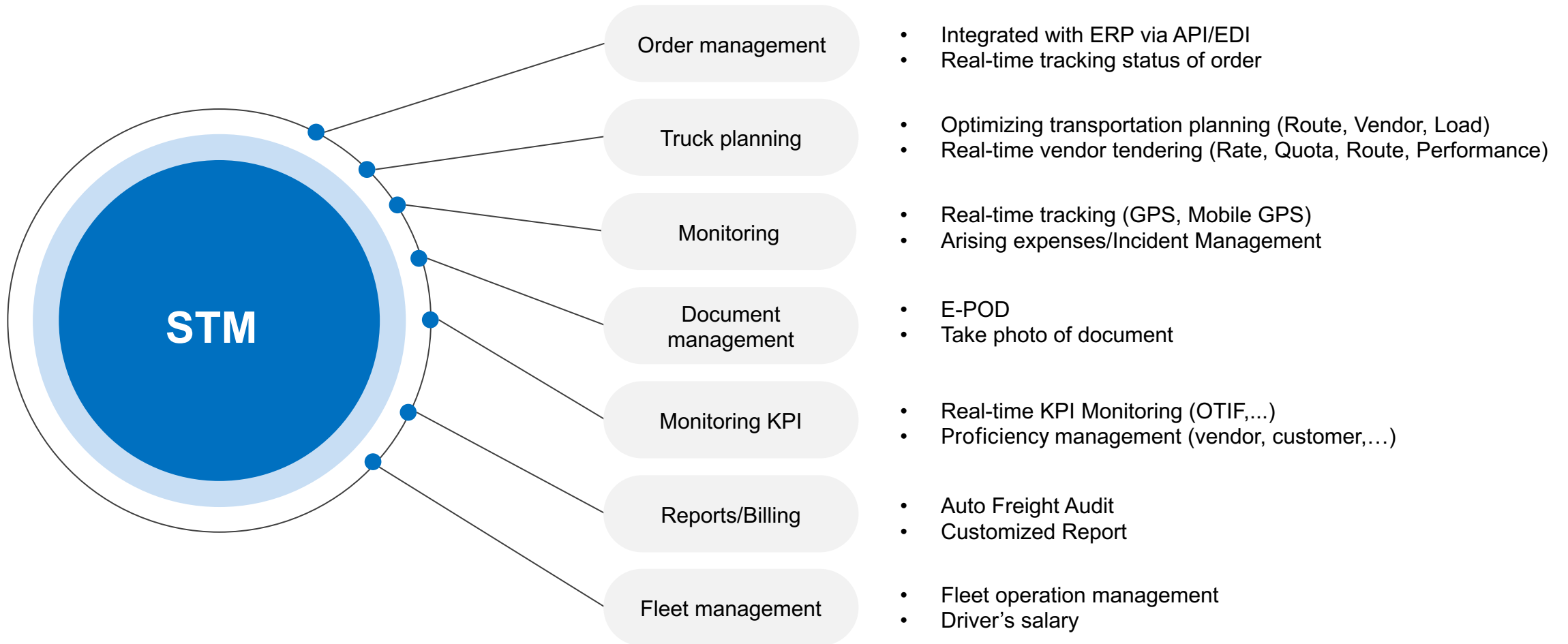
Painpoints and STM solution



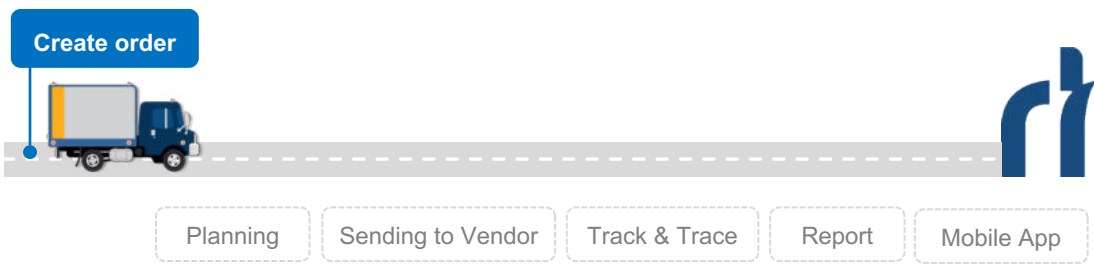
STM - Comprehensive solution to control the entire transportation chain



Fully functional system for operation and management



Order Management becomes simpler



“ Easily upload order and to tracking status of goods. It's so convenient.

- Order management staff

smarlog

CREATE AN ORDER

ORDER Search

TUAN QUANG@GOSMARTLOG.COM smarlog

OVERVIEW

Dashboard

OPERATE

Order

Managing bills of lading

Coordinator +

Monitoring +

License +

KPI +

Pay +

Inspect the goods

REPORT

Transport +

Fleet +

synthetic +

FLEET

Vehicle +

Driver +

Monthly cost

WORKFLOW

Order

CREATE A NEW ORDER

CREATE AN EXCEL ORDER

EDIT NEWLY CREATED PLAN MAKE A TRIP TRANSPORT DELIVERED LICENSE CANCEL

	Code University	University stat...	Shipping services	Short name	Date of sending to University	Date of creation of university	Creator	Full name of creator	Surname
<input type="checkbox"/>	XNK03		Transfer warehouse	EXPORT COMPANY	21/12/2020 17:00	12/21/2020 09:09	KBLogisticsadmin@...		
<input type="checkbox"/>	XNK.01		Transfer warehouse	EXPORT COMPANY	12/18/2020 08:49	17/12/2020 08:56	KBLogisticsadmin@...		
<input type="checkbox"/>	ABC		Transfer warehouse	VNPOST-VCKV	09/25/2020 11:46	09/25/2020 11:48	chuhangoanh@mail...		
<input type="checkbox"/>	1234567890		Import	TUANQUANG	09/09/2020 14:27	09/09/2020 14:41	tuan.quang@gosm...		
<input type="checkbox"/>	1234567io9876543		Import	TUANQUANG	09/09/2020 11:16	09/09/2020 13:33	tuan.quang@gosm...		
<input type="checkbox"/>	123456790987654...		Transfer warehouse	TUANQUANG	07/09/2020 17:26	07/09/2020 17:29	tuan.quang@gosm...		

1 - 6 / 6

- Easily tracking order
- Integrating to receive order

Automatically planning within 3 steps

Planning

Create order

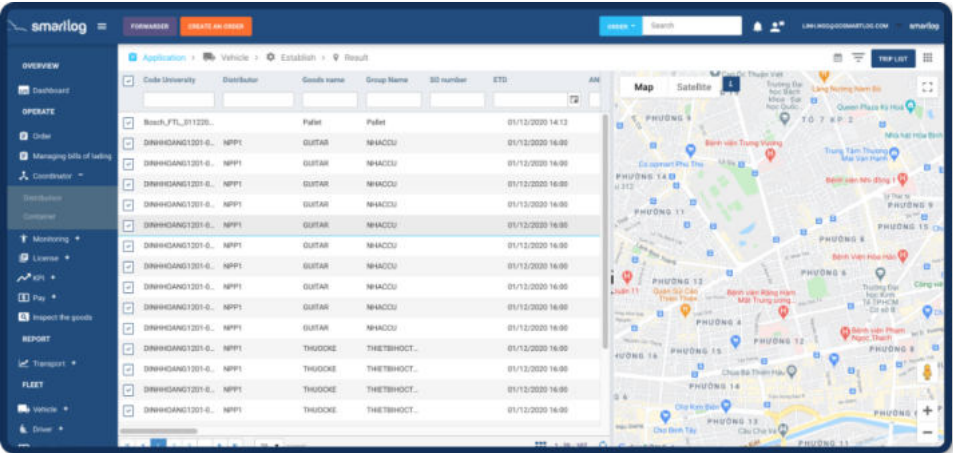
Sending to Vendor

Track & Trace

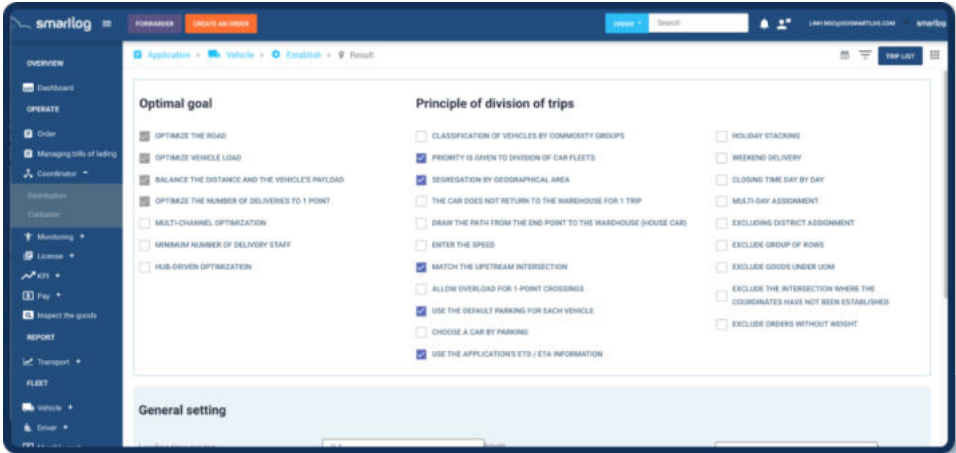
Report

Mobile App

1 Choosing order and vehicle

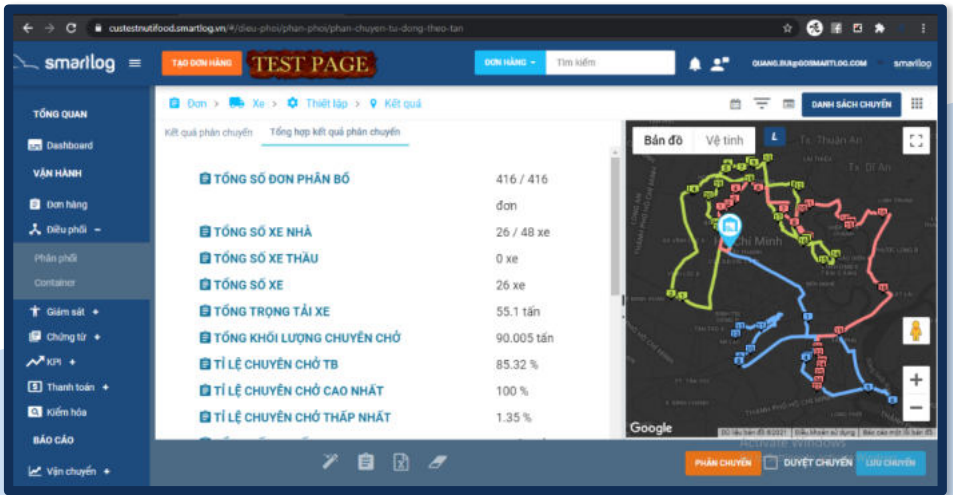


2 Create set parameters and constraints



Reducing time to plan
from 2 HOURS
to 15 MINUTES

3 Result of automatically trip planning



"No more difficulty in truck planning, great!"
- Captain of coordination team



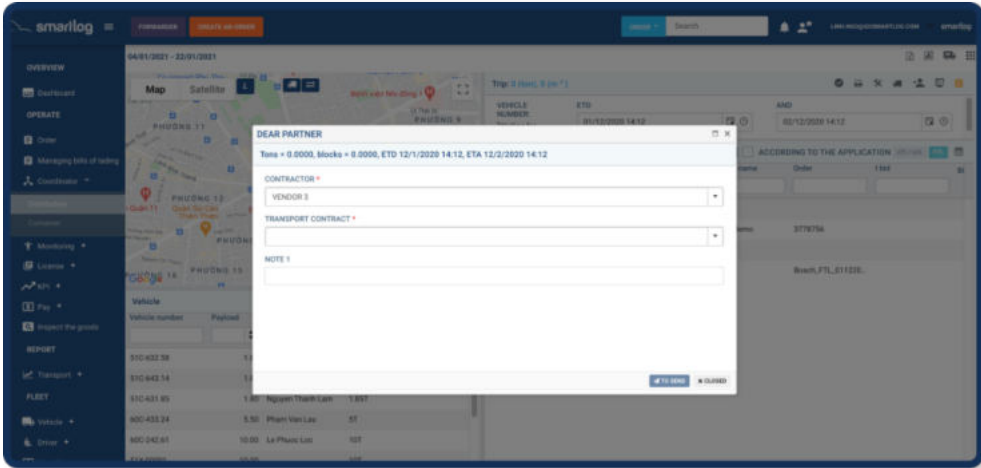
Quickly sending order to Vendor

Sending to Vendor

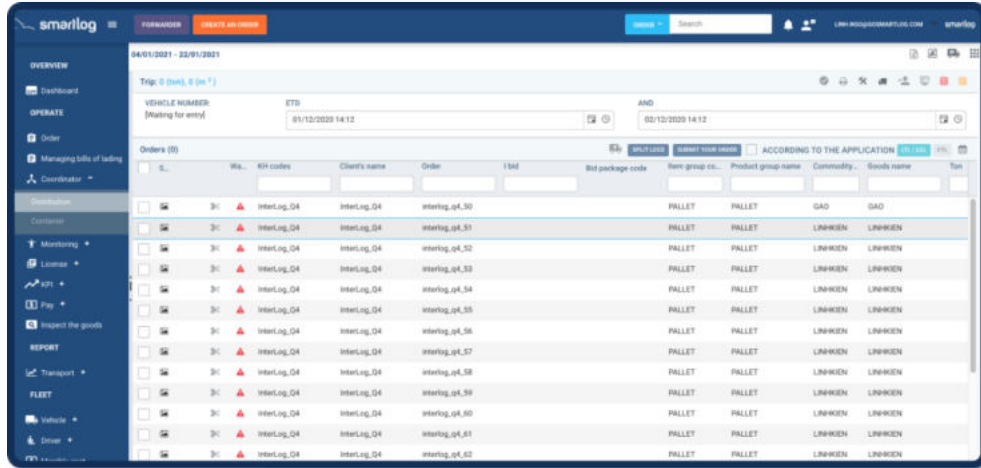


- Create order
- Planning
- Track & Trace
- Report
- Mobile App

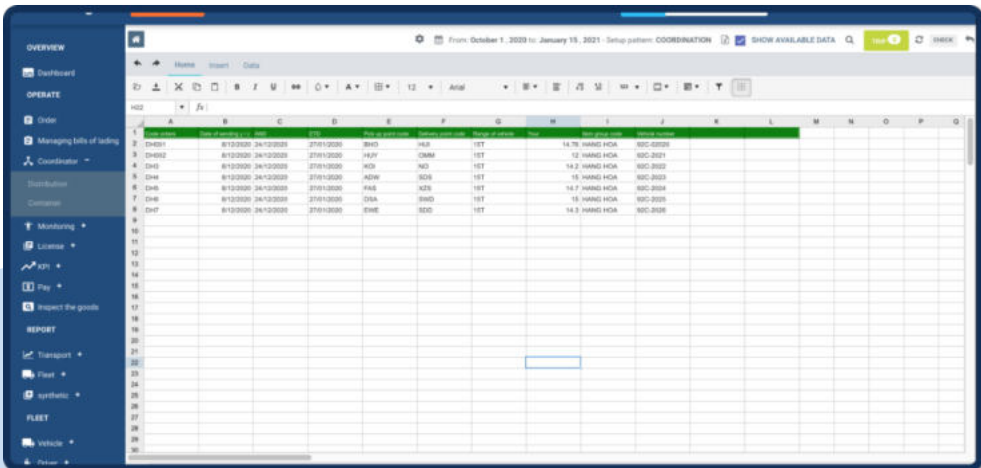
1 Order is sent to Vendor



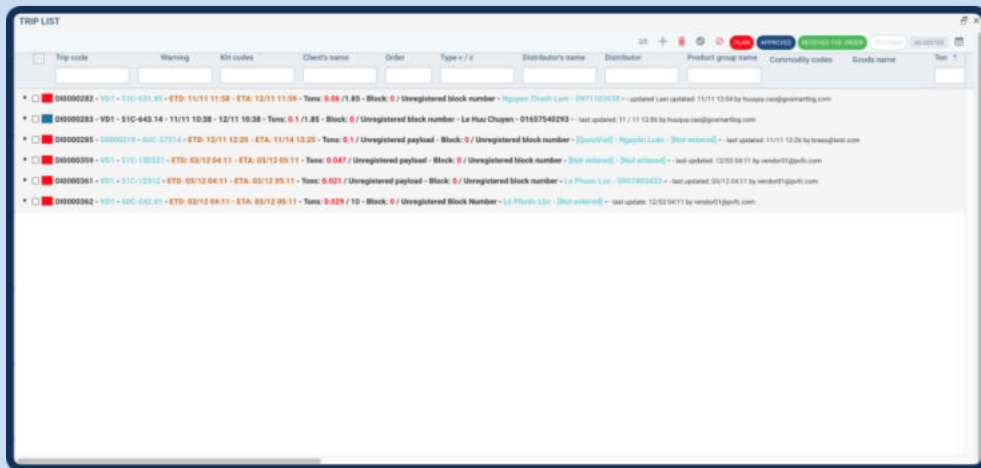
2 Vendor takes order



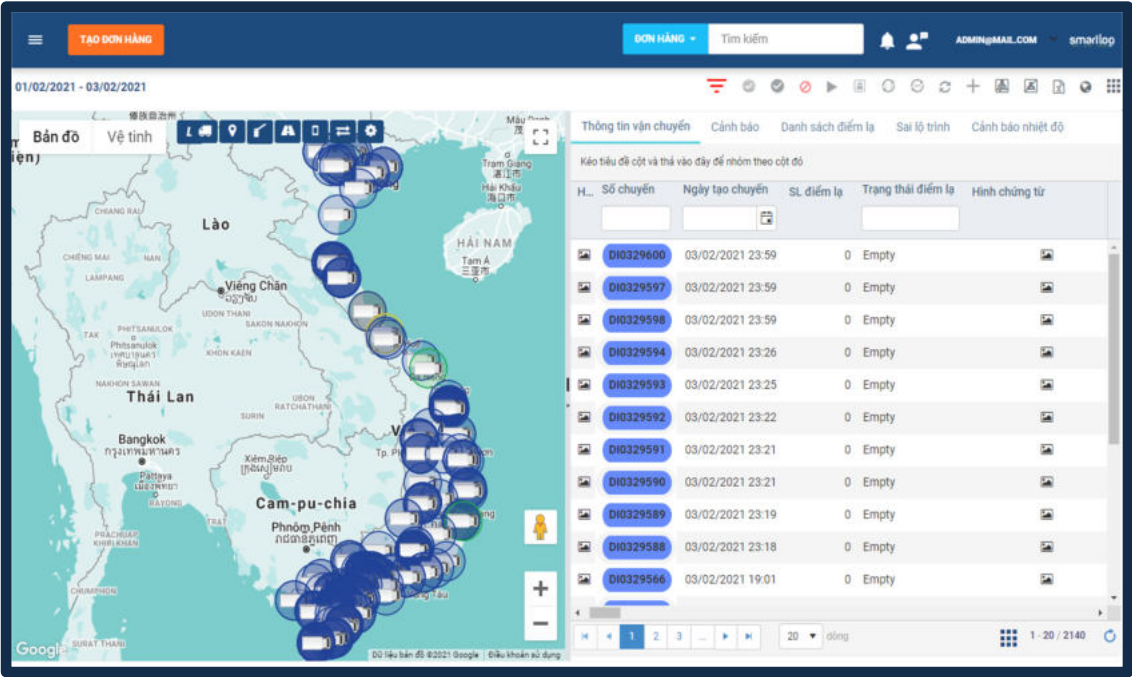
3 Vendor updates trip information



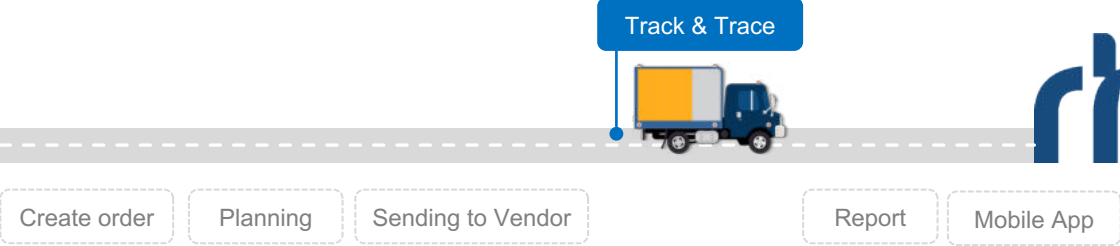
4 Approved trips will be sent to the driver's Mobile App



Real-time tracking



- Tracking detailed route through GPS
- Route display, strange spot warning



UPDATING STATUS BY COLOR

<input checked="" type="checkbox"/>	WAIT TO SHIP	<input checked="" type="checkbox"/>	SHIPPING
<input checked="" type="checkbox"/>	LOADING	<input checked="" type="checkbox"/>	ARRIVED TO DISTRIBUTOR
<input checked="" type="checkbox"/>	ARRIVED	<input checked="" type="checkbox"/>	FINISHED
<input checked="" type="checkbox"/>	SHIPPING	<input checked="" type="checkbox"/>	LOCKED

“ Can immediately see where the truck is, what the status is. Alerting long stops. The management becomes more effective. ”
- Fleet supervisor



Lively and intuitive Dashboard



“ No need to wait for daily report from the staff, checking, tracking and making decision immediately.
- S&OP Department



- 100% support to tracking and making decision
- Accurate, intuitive

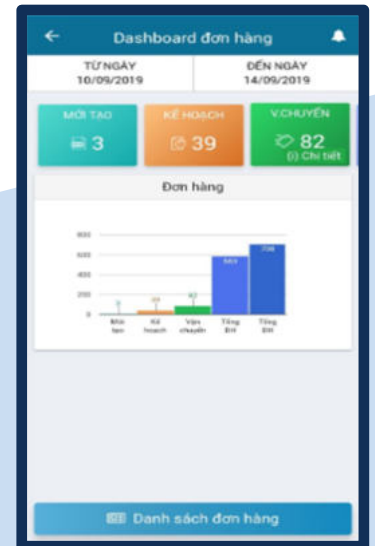
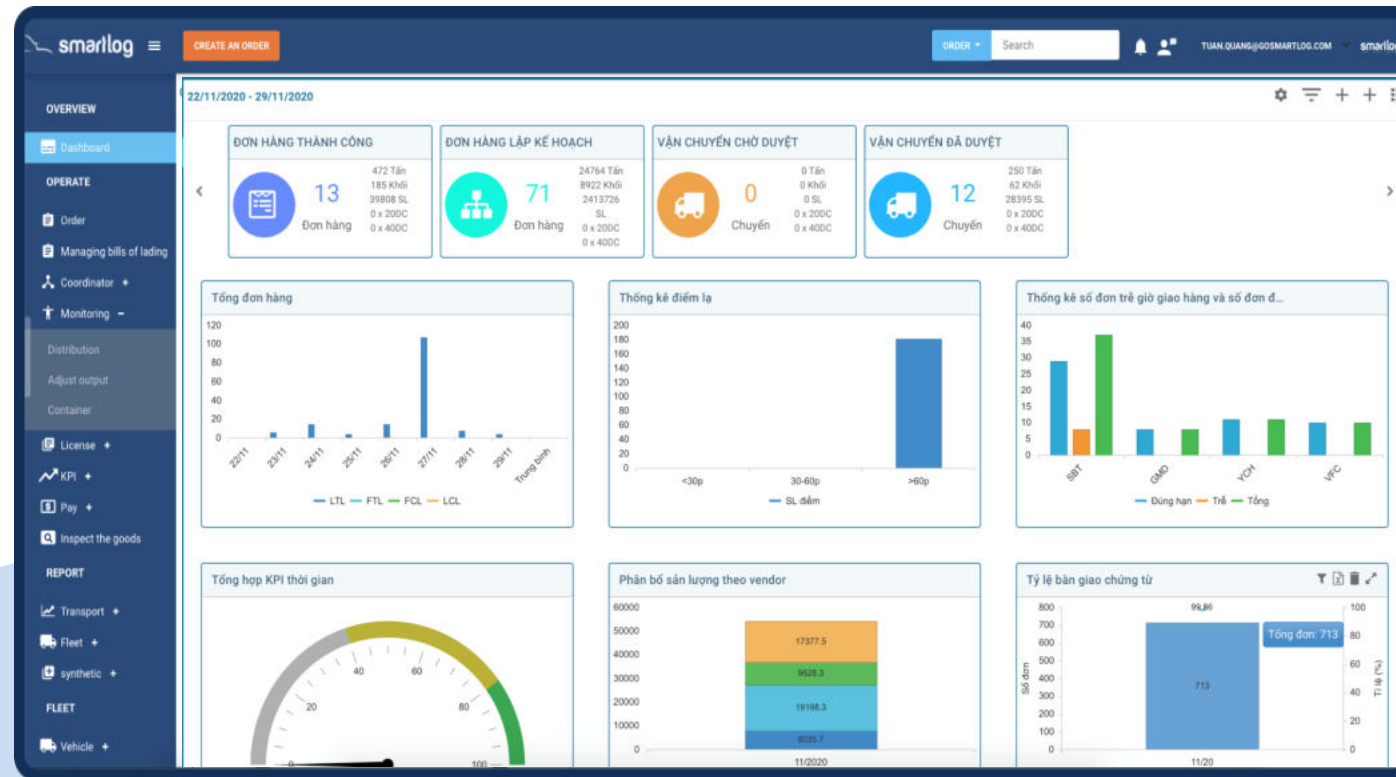
Create order

Planning

Sending to Vendor

Track & Trace

Mobile App



- System with more than 80 reports to serve different operational needs and can be customized according to customers
- Dashboard for management on convenient mobile app

Mobile app for driver

Mobile App



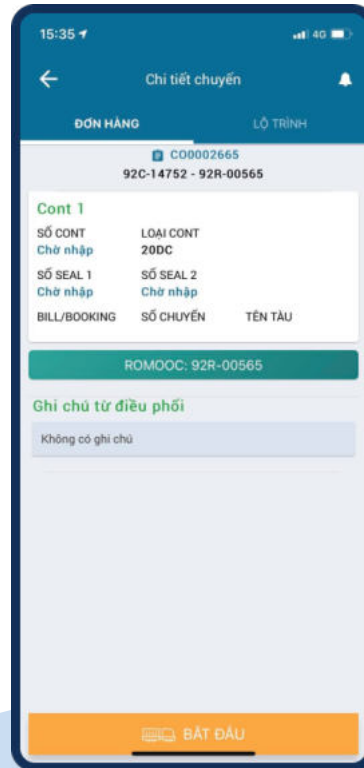
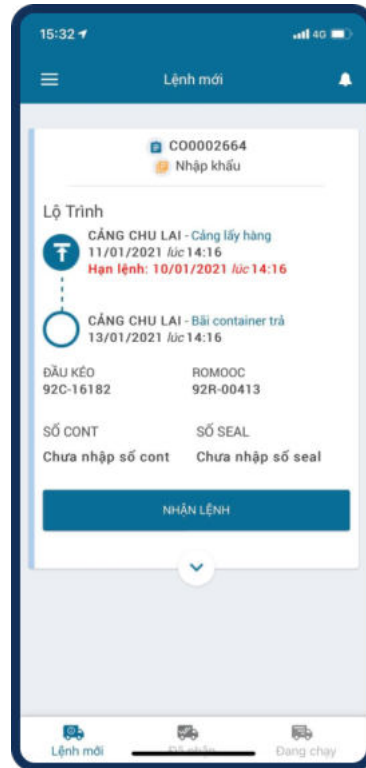
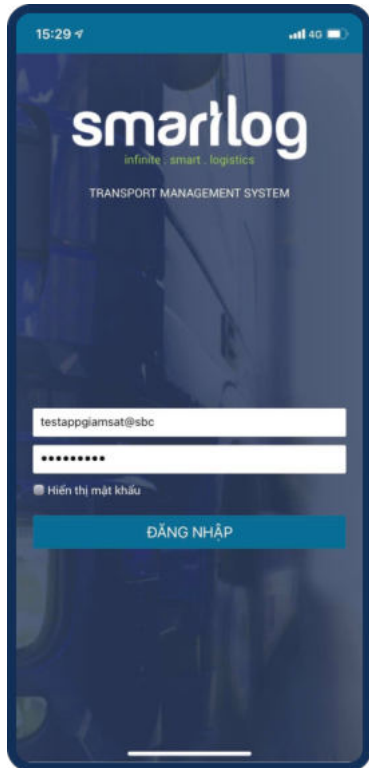
Create order

Planning

Sending to Vendor

Track & Trace

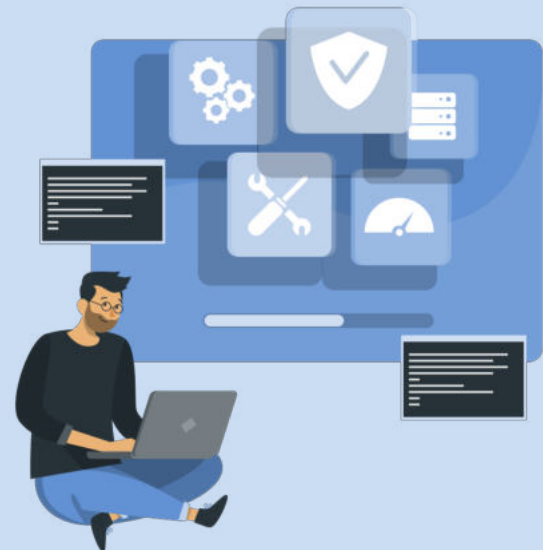
Report



“ I create app that even the the U50 – U60 elders still can use it easily.

- STM Developer

- Updating real-time delivery status
- Updating e-POD
- Updating incidents and arised costs



Helping customer to connect with over 30 GPS Suppliers



Over 30 GPS suppliers have been integrated with Smartlog system on over 10K vehicles

“
When we used STM, Smartlog has helped
us to integrate with GPS of our 7 transport
partners. No more logging-in a lot of pages
to tracking. ”

- Shipper

#	GPS Provider's Name	Method
1	ADA	API
2	Adsun	API
3	Bình Anh	API
4	Bình Minh	API
5	Bistech	API
6	Instek	API
7	Định vị VN	API
8	DSS	API
9	Điện tử Bách Khoa	API
10	Định vị Bách Khoa	API
11	Eposi	API

#	GPS Provider's Name	Method
12	Giám sát hành trình	API
13	Hưng Thịnh	API
14	Khánh Hội	API
15	Vietmap	API
16	Smartpacking	API
17	THK tracking	API
18	Triều An	API
19	Vcomsat	API
20	Vietcom GPS	API
21	Viet global	API
22	Vinh Hiển	API

- Smartlog GPS integration Platform ready to use without any cost for deployment.
- GPS data from transporter are keep confidentially under NDA agreement.
- Only get GPS data once shipment are approved by transporter. The other GPS Data outside of shipment can not be tracked.



Black box — Smart tracker helps manage the fleet



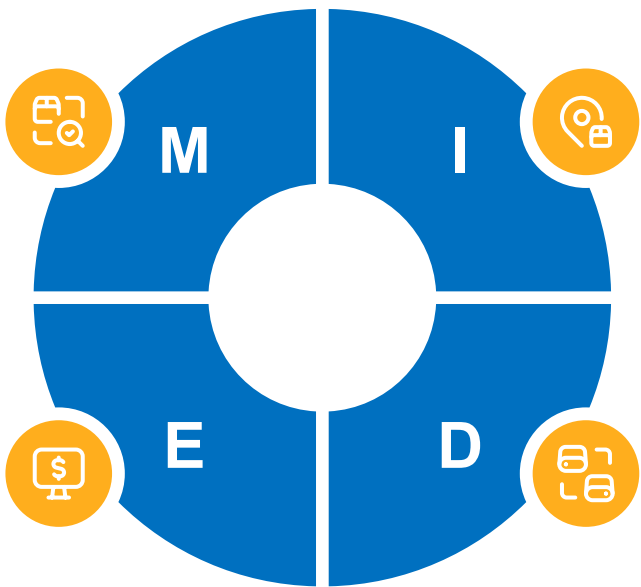
Trip tracker developed by Smartlog as an added value in the whole solution

Fleet management

- Tracking location, speed, temperature
- Tracking all vehicles on the system

Easy to implement

- Saving invested expense
- Monthly charging



Integrating with TMS

- Tracking location, speed, temperature
- Tracking all vehicles on the system





Information

- Unit price: 2,000,000 VND/equipment
- FOC for 18 tháng tracking software



Proud of the value that STM has brought

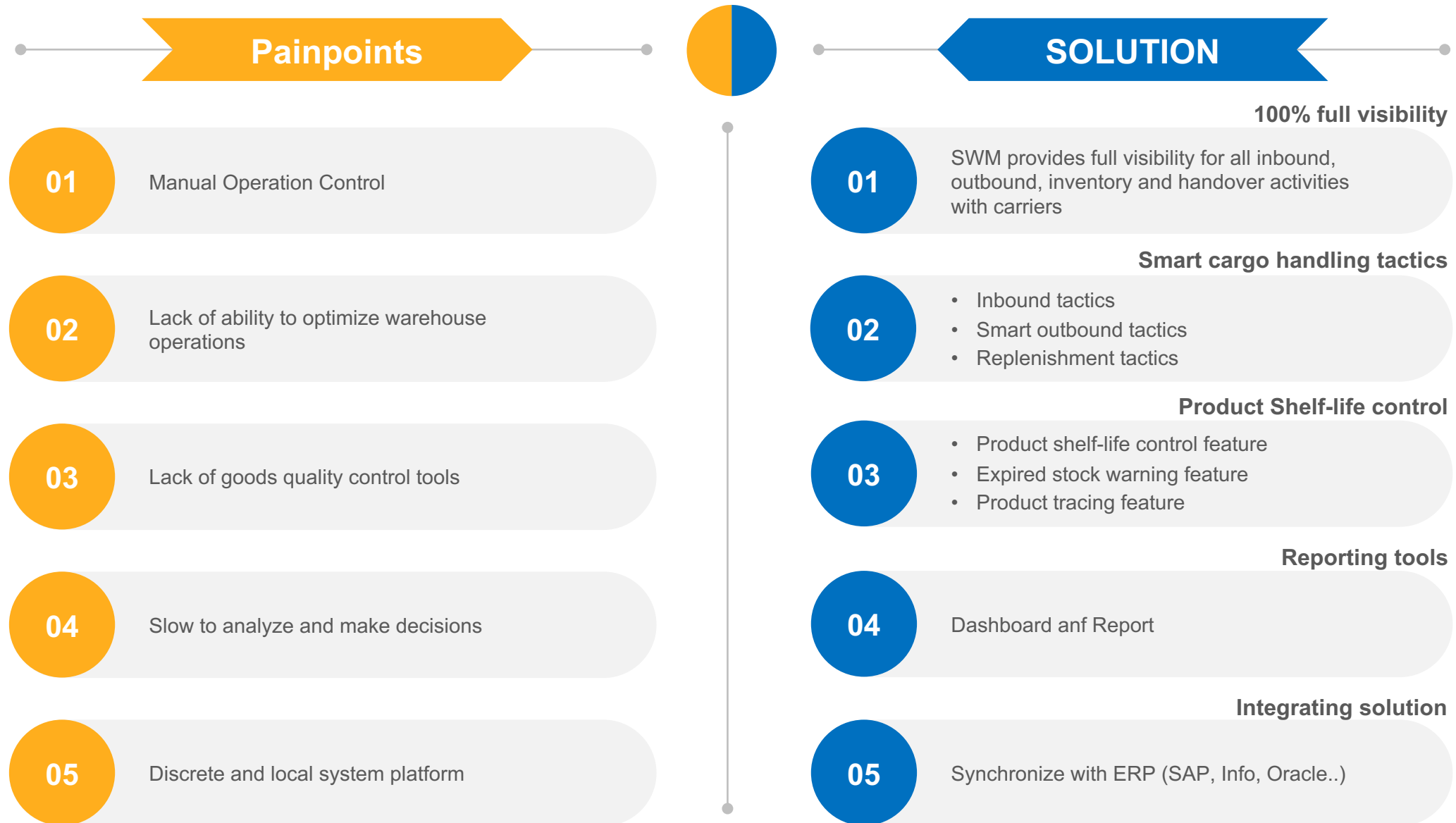


	Reducing expense of vehicles <ul style="list-style-type: none">• Increase vehicle efficiency (tonnage, running time, delivered output)• Optimal transportation planning for home vehicles• Optimizing expense of Vendor's vehicle	Saving 20%
	Reducing managing and tracking expense <ul style="list-style-type: none">• Real-time tracking, full GPS integration with multiple suppliers• Automatic warning (delayed delivery, wrong route, wrong stop)• Delivery Authentication (E-POD), document capture• Manage all vehicle operations and expenses: fuel, repair, maintenance, depreciation• Driver management: salary, timekeeping, advance expenses, reimbursement	10% optimal
	Reducing expense of Vendor <ul style="list-style-type: none">• Help vendors use vehicles continuously and optimize trips and delivery routes• Increase access to vendor network by connecting TMX	5% optimal
	Benefits <ul style="list-style-type: none">• Increase customer satisfaction• Increase delivery proficiency• Improve cash flow• Increase compliance and reduce transportation risk	

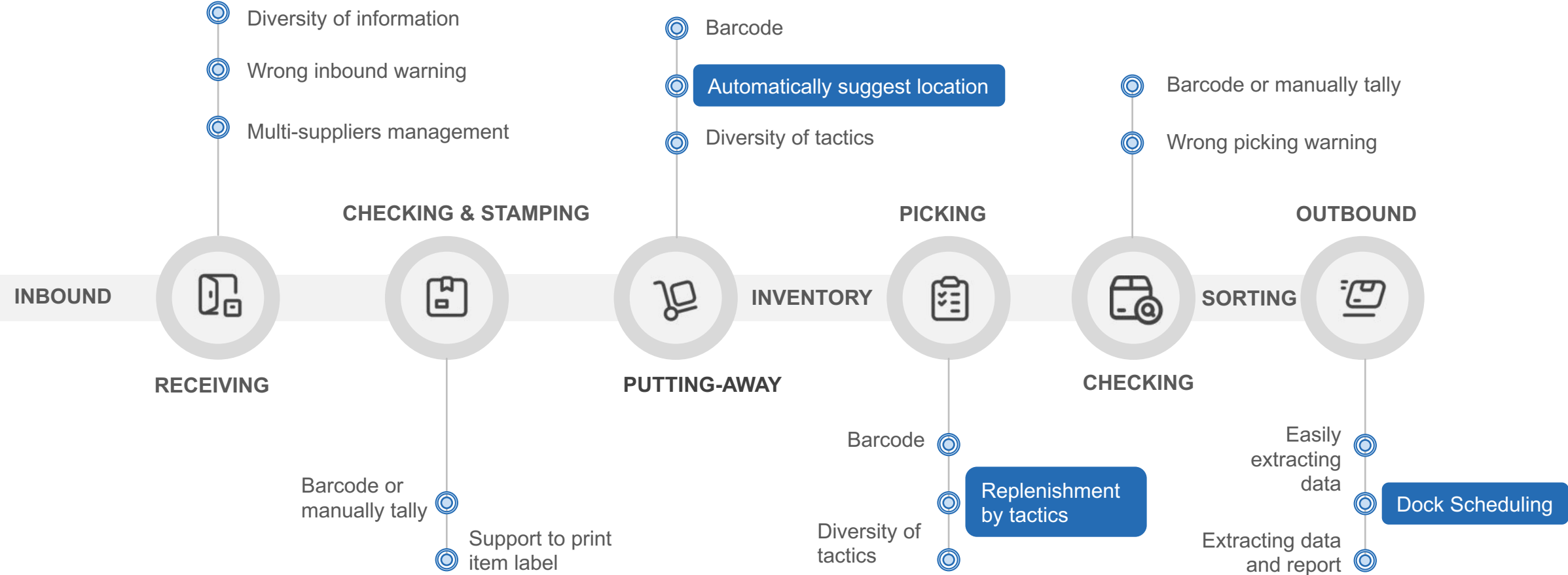
Warehouse Management Solution - SWM



Painpoints and SWM solution



SWM - Comprehensive solution to control warehouse management



With many serving models



Material warehouse

Manage input materials during production process linked to factory



Finished products warehouse

Manage finished goods received from factory and delivered to others distributors



Distribution warehouse

Where orders are completed and operated at high pace



Retail warehouse

Sell goods directly to consumers



CFS warehouse

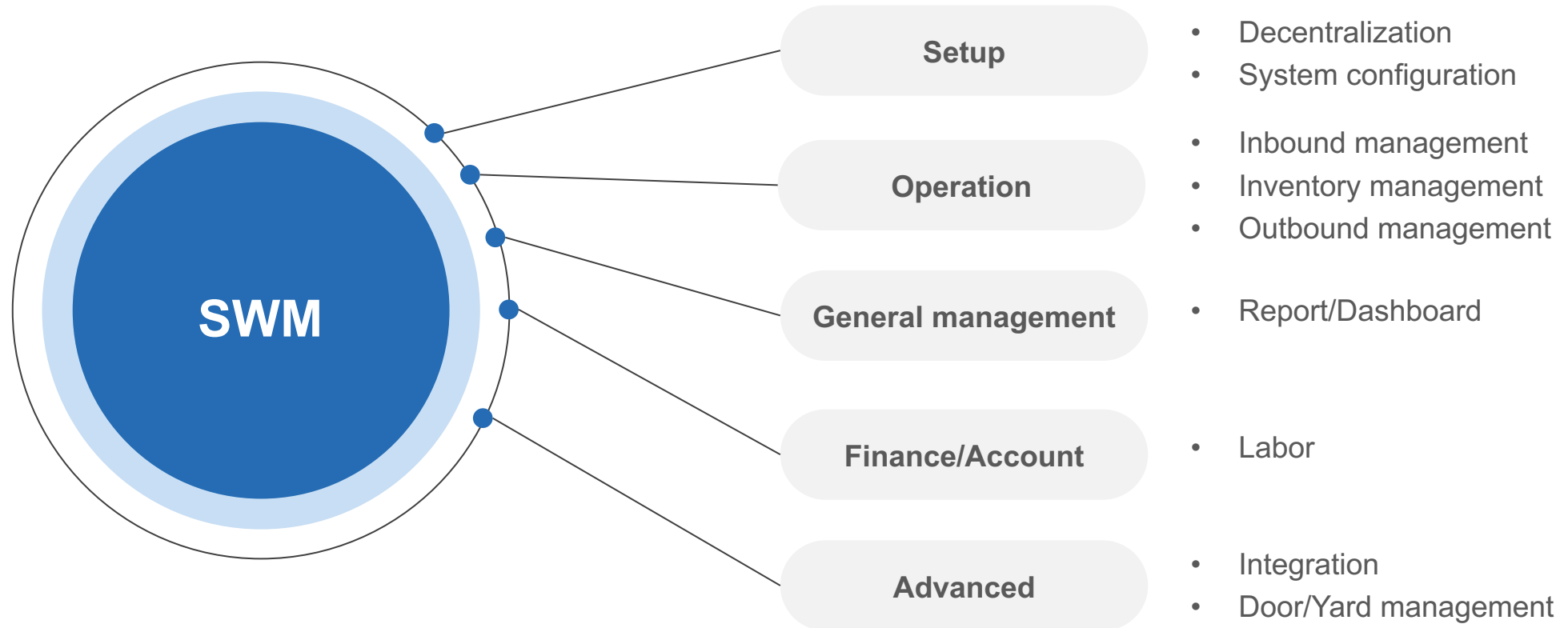
Warehouse performs activities of gathering, dividing and separating goods of many shippers on the same container



Bonded warehouse

Storage of goods that had been finished customs declaration and sent to wait for import/export

Fully functional system for operation and management



With standard and advanced feature



Standard feature		Advanced feature
Receiving	Picking	Slotting
Checking	Masterpick	Supplier Management
Putting-awa	Physical Inventory/ Cycle Counting	Dock/yard & RFID Management
Inventory management	Cross Docking	Data analyzing
Loading	RF/ Mobile	Integrating with STM, ERP
Sorting/Arranging	Goods moving/transferring	Intuitive report
Replenishing	Value-Added Service	Automatic billing

Simple inbound procedure

- Simply managing PO status
- Real-time inventory recording



Inventory Outbound Dashboard Report

LỆNH MUA HÀNG X

XÓA ĐÓNG MỞ TẠO ĐƠN NHẬP HÀNG LỆNH MUA HÀNG

MÃ LỆNH MUA H...	LOẠI	LỆNH MUA HÀNG	LOẠI GIAO DỊCH	NHA CUNG C...	TÊN NHÀ CUNG CẤP	TRANG THAI	GHI CHÚ
1900000005	NORMAL	137/90/SBT/19	BAO BÌ HOÀN TRẢ	22	KHO THƯƠNG MẠI CÚ CHI	THÊM MỚI	Từ ngày 17/10/2019 Đến ngày 27/10/2019



ĐƠN NHẬN X CHI TIẾT ĐƠN HÀNG NHẬP X

CHUNG NHÀ VẬN TẢI NHÀ CUNG CẤP HẢI QUAN NHẬN HÀNG HỦY NHẬN CHIẾN LƯỢC XẾP HÀNG CHIA PALLET CHIA TÁCH UPDATE LOCATION XÓA ITEMS QC CHECK ĐỌC COMPLETE CHI TIẾT VỊ TRÍ LƯU

NGƯỜI MUA HÀNG NGƯỜI DÙNG ĐỊNH NGHĨA

SỐ ASEN 1900000067 THÊM MỚI (0.00 / 20.00 CS)

CHỌI HÀNG MESA LOẠI Normal

MÃ ĐƠN HÀNG NHẬP * 137/90/SBT/19 LỆNH MUA HÀNG 1900000005

SỐ ĐƠN	TRANG THAI	MÃ HÀNG (*)	TÊN HÀNG	ĐƠN VỊ (*)	MÃ UPC	DỰ KIẾN (*)	XÁC NHẬN
00001	THÊM MỚI	LNP5	Bia SAIGON Lager	CASE		20	

“ The change is that I have inventory information immediately when the goods are imported on the mobile app, no longer waiting for the inventory input from the accountant's. - Customer



Tồn kho

Nhập hàng Xuất hàng

Soạn hàng Xuất hàng

Tồn kho

Danh sách nhập hàng

Thanh phẩm Bao bì

Lệnh: 21390567890 SA NHẬP

Biển số xe 54Z - 5562 Số lượng 630

Số chuyển 20102800127 Mã hàng CRK1

Lệnh: 21390567890 SA NHẬP

Biển số xe 54Z - 5562 Số lượng 630

Số chuyển 20102800127 Mã hàng CRK2

Lệnh: 21390567890 SA NHẬP

Chụp hình

Lệnh: 21390567890

Biển số xe 54Z - 5562

Số chuyển 20102800127

Mã hàng CRK1

Tổng số lượng nhận 630

Số lượng thực nhận Nhập số lượng

Vị trí STAGE

Xác nhận vị trí

Số ID Ngày SX 30/10/2020

NHẬP HÀNG

Main feature

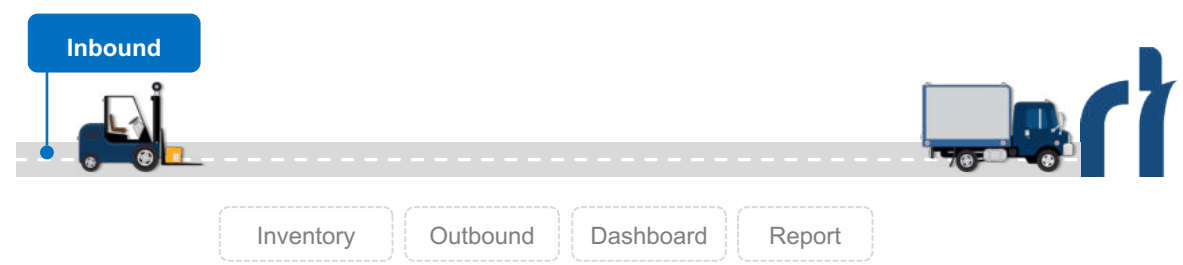
- Automatically allocating location to put-away according to tactics
- Customizing forms/output slips according to customer requirements
- Warning of wrong item input
- Managing all goods information
- Integrating with handheld devices

The change from manual inbound to using SWM



Manual inbound

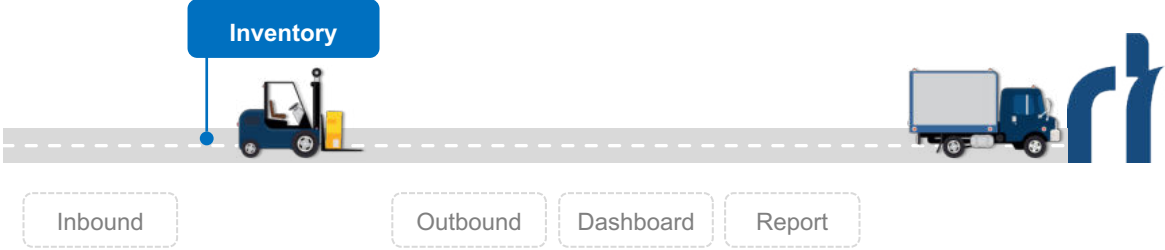
- Record manually – by paperwork when receiving.
- Tallying by eye, risk of wrong inspection, shortage of goods.
- Putting-away according to experience.
- Not optimizing storage area



SWM inbound

- Automatically allocating locations to put-away.
- Closely tracking time of inbound.
- Automatically updating order information.
- Automatically alerting when inputting wrong item code.
- Easily tracking entire progress when receiving large shipment.
- Managing importing docks

Strict control of inbound/outbound/inventory transactions



Conducting transaction

- Inbound in time
- Bringing goods to inventory position
- Picking and outbound accurately by handheld
- Saving expenses and time
- Checking goods information
- Moving/Transfer goods by handheld



Inventory history

- Comprehensive control of all transactions
- Retrieve history of operations, outbound - inbound, adjusting inventory



Inventory storage

- According to the location, the goods are divided into independent parts, odd - even, damaged or expired goods
- According to the LOT number, the storekeeper will easily know which items are out of date or near the date
- According to LOT number, Pallet ID, số LOT, location

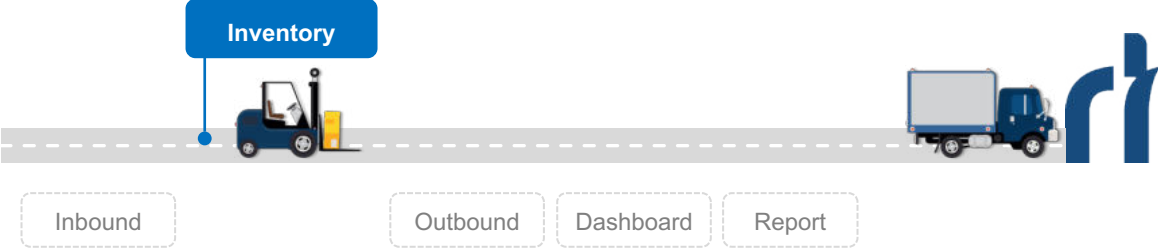


Tallying

- Tallying inventory by location and LOT number
- Actively control by handheld
- Saving paperwork and its costs

- 99.9% inventory accuracy
- Reducing 100% paperwork
- Inventory in real time

Detailed, accurate inventory management on multiple levels



Comprehensive support for requirements and levels of inventory management

- INVENTORY LIST
- INVENTORY REPORT
- MOVE
- ADJUSTMENT
- CHANGE STATUS
- CHANGE LOT
- TRANSACTION
- STOCK COUNT
- POST STOCK
- PREMOVE
- INTERNAL TRANSFER
- DETAIL STORAGE
- REPLENISHMENT
- INVENTORY TRACKING

Inventory Report									
STORERKEY	RECEIPTKEY	PO	SKU	EXPIRED DATE	LOT	LOC	ON HAND (CASE)	GROUP OF CAGO	DESCR
MESA	2000000270	TEST34645645	HOP						
MESA	2000000289	DEMO THUOCSI	82274051						
MESA	2100000010	SDVSFB	TESTCH						
MESA	2000000265	TEST1234566786867	HOP		L000000001	A1-01-2	1,000.000		Hộp
MESA	2100000008	TEST56786867	HOP		L000000001	A1-01-3	2,000.000		Hộp
MESA	2100000010	SDVSFB	TESTCH		L000000001	A1-01-3	50.000		TESTCH
MESA	2100000011	TEST32345345	HOP		L000000001	A1-01-4	1,000.000		Hộp
MESA	2100000012	TEST3456578678	HOP		L000000001	A1-01-4	1,000.000		Hộp
MESA	2000000273	TEST456568678	HOP		L000000001	A1-01-5	1,000.000		Hộp
MESA	2000000277	TEST45657978	HOP		L000000001	A1-01-5	1,000.000		Hộp
MESA	2000000271	TEST5645645	HOP		L000000001	A1-01-5	792.000		Hộp
MESA	2100000010	SDVSFB	TESTCH		L000000001	A1-02-1	10.000		TESTCH
MESA	2000000279	TEST5365676	HOP		L000000001	A1-02-2	1,000.000		Hộp
MESA	2000000281	TEST456546546	HOP		L000000001	A1-02-3	1,000.000		Hộp
MESA	2000000282	TEST47568678	HOP		L000000001	A1-02-3	2,000.000		Hộp
MESA	2000000284	TEST34545645	HOP		L000000001	A1-02-4	1,000.000		Hộp
MESA	2000000283	TEST454567567	HOP		L000000001	A1-02-4	1,000.000		Hộp
MESA	2000000298	TEST23435	HOP		L000000001	A1-02-5	1,000.000		Hộp
MESA	2000000395	TEST45345	HOP		L000000001	A1-03-2	2,000.000		Hộp
MESA	2100000009	TEST4575678	HOP		L000000001	A1-03-2	1,000.000		Hộp

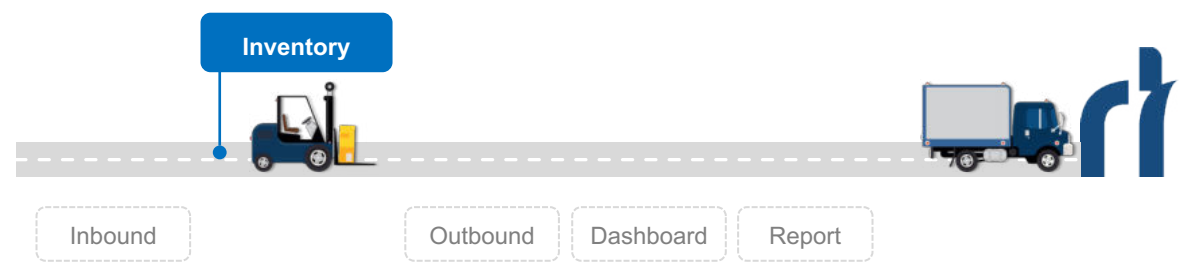
Expiry date, batch/lot, shelf-life management

“ I easily set up inventory management views such as shelf-life, product quality ratings and easy to execute inventory commands. Customizing reports according to the user's arrangement..

- Storekeeper

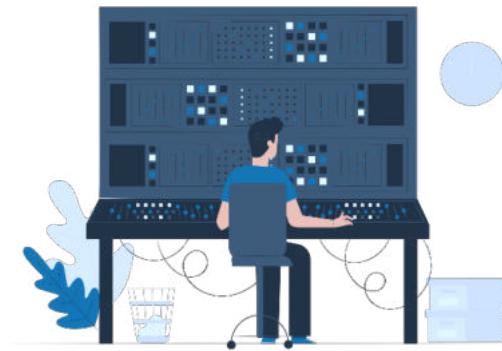


The change from manual stock count to using SWM



Manual stock count

- Stocktaking according to paperwork, wasting too much time.
- Wasting time to count
- Risk of wrong inspection, lack of goods.
- Difficulty in retrieving transaction history when number of stocks is different.



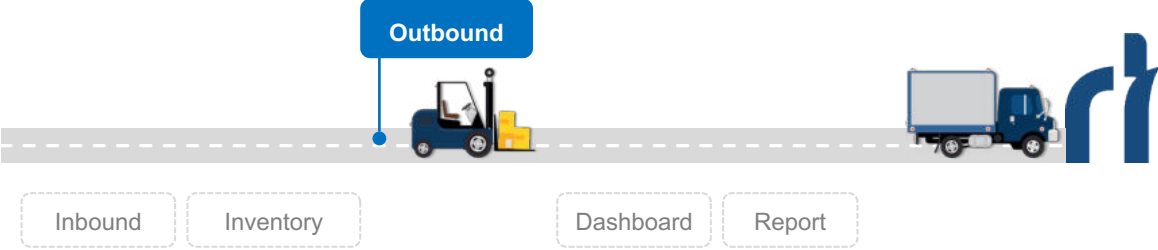
SWM stock count

- Real-time stock count by location, item code, zone,...
- Stock counting directly by handheld.
- Guaranteeing inventory accuracy is up to 99%.
- Easily retrieving transaction history when there is difference.
- Exporting inventory report immediately after completing tallying.

“ In the past, it took me 1 day for 30 people including warehouse staff and accountant to take inventory every month, now it's shortened to 2 hours a week..
- Chief Accountant



Outbound according to diverse and optimal tactics



ĐƠN HÀNG XUẤT CHI TIẾT ĐƠN											
ĐẶT HÀNG PHIẾU SOẠN HÀNG CẬP NHẬT CHỈ ĐỊNH HỦY CHỈ ĐỊNH LẤY HÀNG HỦY SOẠN HÀNG XUẤT HÀNG NHẬN CÔNG CHIA TÁCH DOUBLE XÓA SỐ ĐƠN HÀNG XUẤT NHẬP FILE											
	MÃ PHIẾU XU...	TRẠNG THÁI	LOẠI XUẤT	SỐ ĐƠN HÀNG XU...	TÊN TÀI XE	SỐ XE	NGÀY ĐẶT H...	NGÀY XUẤT D...	NGÀY XUẤT H...	MỜ	CHI ĐỊNH
		TẤT CẢ				62C 82313					
	1900000081	THÊM MỚI	xuất mẫu	137/90/SBT/19	VĂN A	62C 82313	03/11/2019				42.000 0.000

LỆNH MUA HÀNG CHI TIẾT LỆNH MUA HÀNG ĐƠN HÀNG XUẤT CHI TIẾT ĐƠN											
CHUNG KHÁCH HÀNG NHÀ VẬN TẢI XẾP HÀNG CHỈ ĐỊNH HỦY CHỈ ĐỊNH LẤY HÀNG HỦY SOẠN HÀNG XUẤT HÀNG CHIA TÁCH TÁCH ĐƠN XÓA CHI TIẾT SOẠN HÀNG CHỈ ĐỊNH THỦ CÔNG LƯU											
HẢI QUAN NGƯỜI DÙNG											
THÊM MỚI											
SỐ ĐƠN HÀNG XUẤT	CHU HANG	LOẠI	SỐ ĐỒNG	TRẠNG THÁI	MÃ HÀNG (*)	TÊN HÀNG	ĐƠN VỊ (*)	NGUỒN GỐC (*)	MỜ	CHI ĐỊNH	
1900000081	MESA	xuất mẫu	00001	THÊM MỚI	CRC5	VO CHAI 450	Bottle	40	40.000	0.	
			00002	THÊM MỚI	KRT1	Plastic Crate (Use for 450ml, 355ml RGB)	Piece	2	2.000	0.	
SỐ ĐƠN HÀNG XUẤT *											
137/90/SBT/19											
SỐ ĐƠN HÀNG XUẤT 2											

“Managing shelf-life according to SO is a complicated task that made me have headaches before, now that activity has become "invisible" thanks to a one-time setup on the system

- Warehouse Manager

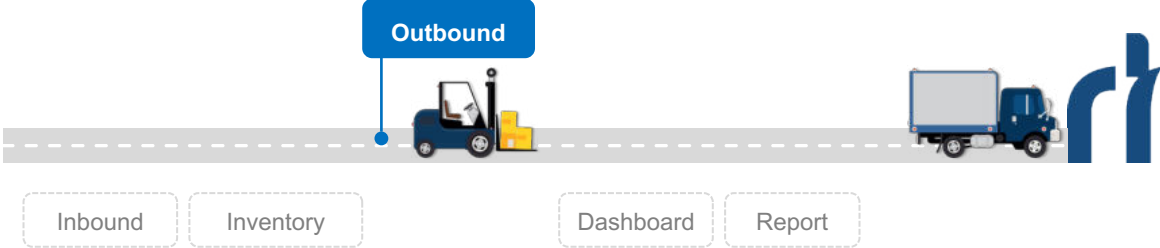
- Convenient app
- Accurately scanning
- Fast

Main feature

- Managing FEFO & accurately by each Pallet ID, location, SKU, quantity, Batch/Lot.
- Accurately managing SO status.
- Outbound based on actual warehouse situation, documents/coordinates proactively.
- SWM supports real-time outbound operations



Outbound according to diverse and optimal tactics



“ Simple app to training new personnel easily and fast đơn giản nên việc training nhân sự mới dễ dàng và nhanh chóng. ”
- Outbound manager

Main feature

- The processing steps on the app are indicative
- The operation performed by barcode scanning ensures accuracy and speed

Task List

Search task...

All tasks Task Assigned Task Done

Receiving NEW

Receiptkey 2000006662 Customer PO T0412-04

Qty Case 100

Accept

Task list Inventory Notifications Personal

Receiving

ONE QUANTITY

TOTE ID TOTE ID SCAN

QR CODE QR CORE SCAN

ASN 20000003143

SKU 00000012300001230000

PO NO Invoice123

BATCH LOT L123456 EXPIRED DATE 31/12/2019

QUANTITY 01 UOM BICH

SCANNED 05/600

CONFIRM

Review task

ALL RECEIVED PUTAWAYED

Description Panadol NEW

SKU 000000000095000835 Location STAGE

PO NO Invoice 123 Quantity 10

BATCH LOT L123456 UOM BICH

EXPIRED DATE 31/12/2019

Description Panadol RECEIVED

SKU 000000000095000835 Location STAGE

PO NO Invoice 123 Quantity 10



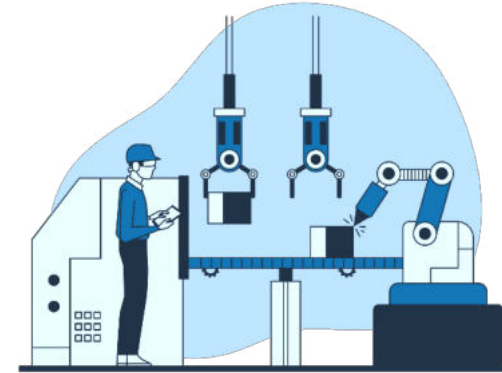
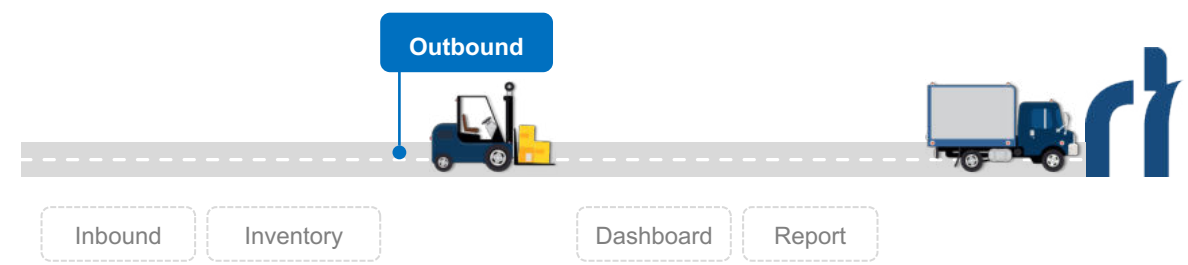
- Optimizing the way to pick up
- Guarantee shelf life, FEFO
- Real-time

The change from manual outbound to using SWM



Manual outbound

- Picking according to personnel experience.
- Spending much time to find goods.
- Goods are easily damaged due to too much moving.
- Wrong outbound, items, does not meet FIFO, FEFO tactics.
- Tallying by eye, easily mistaken



SWM outbound

- Automatically allocating location to pick according to tactic: FIFO, FEFO,...
- Optimizing moving distance in the warehouse.
- Not depending on personnel experience.
- Overall tracking of outbound.
- Automatically tallying when outbound

Intuitive and vivid Dashboard

Dashboard

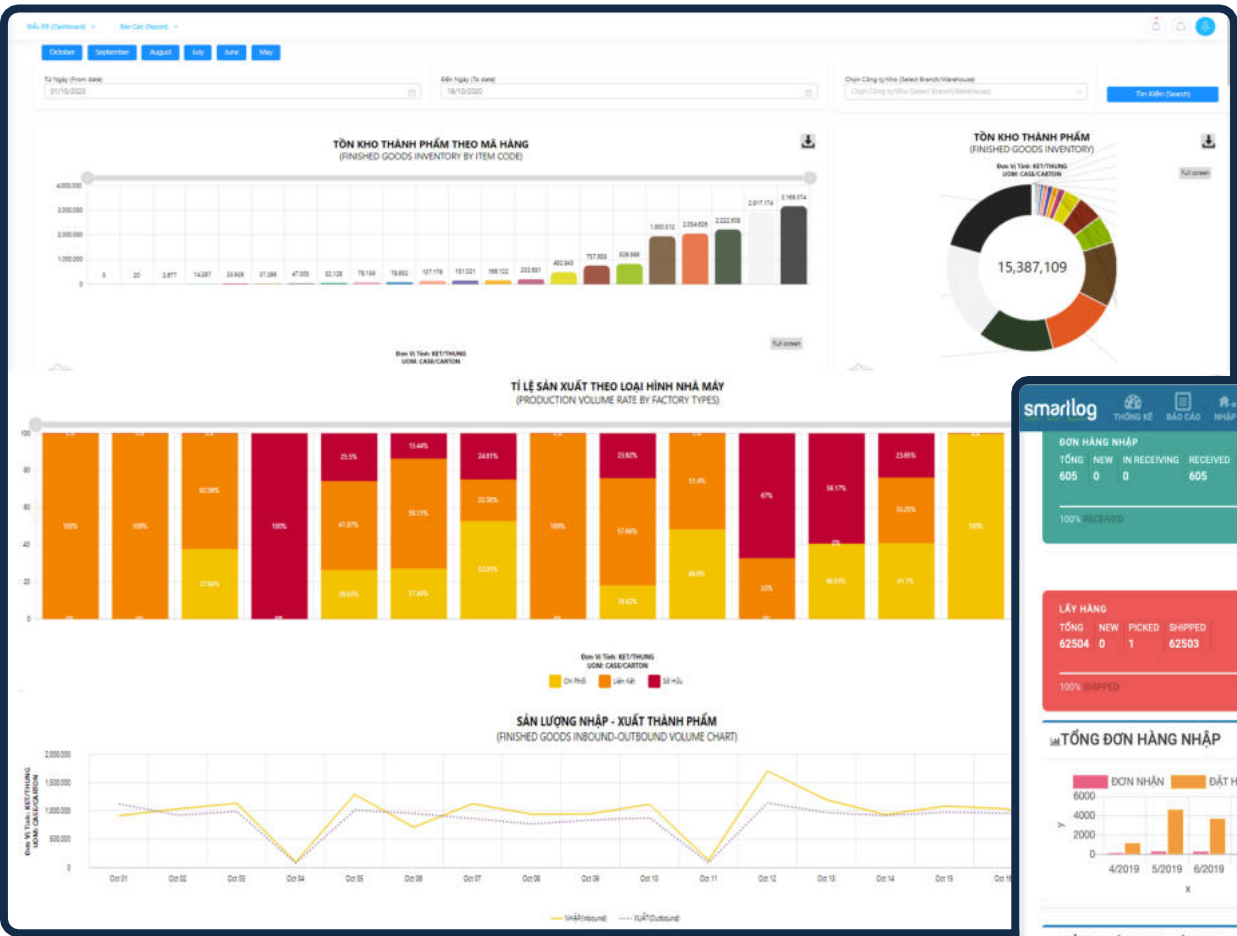


Inbound

Inventory

Outbound

Report



Flexible reporting and meet all needs



Inbound Inventory Outbound Dashboard

- Automatic reports for recurring services and incurred
- Different forms of calculation (by volume, weight, pallet, turnover, etc.)
- Optional reporting period (monthly, quarterly, annual)

smarlog

DASHBOARDREPORTINBOUND *OUTBOUND *INVENTORY *CONFIGURATION *LABOR *MESA NAM SÀI GÒN

MESA-DAT

OUTBOUND REPORT

FROM DATE 2020/10/17 TO DATE 2020/10/17 TYPE DATE ACTUAL SHIP DATE TOTAL QTY: 292 PCS

SKU	DESCR	STATUS	SO NO	ACTUALSHIP DATE	STDNETWGT	CBM	CARRIERNAME	CUSTOMERCODE	CUSTOMERNAME	CUSTOMER AD
82292454	Downy túi 1.5lx6 phoi trong nha...	SHIPPED	SO.NS2010160089	17/10/2020	1.645	42,694.000	Nguyễn Văn Hải	NS015073	CHỊ NGA	378/16 AN DU
82321822	Downy day phoi trong nha 20mlx...	SHIPPED	SO.NS2010160015	17/10/2020	0.230	29,203.020	Nguyễn Văn Hải	NS015241	CO XUAN	15/8 TRAN PH
82305522	Downy HB day 10 gói 20MLX42(...	SHIPPED	SO.NS2010160003	17/10/2020	0.220	2,085.930	Nguyễn Văn Hải	NS020026	TH BACH DUONG 139 T...	139 TRẦN TUẢ
82305522	Downy HB day 10 gói 20MLX42(...	SHIPPED	SO.NS2010160003	17/10/2020	0.220	2,085.930	Nguyễn Văn Hải	NS020026	TH BACH DUONG 139 T...	139 TRẦN TUẢ
82305522	Downy HB day 10 gói 20MLX42(...	SHIPPED	SO.NS2010160003	17/10/2020	0.220	25,031.160	Nguyễn Văn Hải	NS020026	TH BACH DUONG 139 T...	139 TRẦN TUẢ
82305520	Downy DM day 10									
82305520	Downy DM day 10									
82305520	Downy DM day 10									
82305670	Pant xa NRT 6ML									
82311140	Downy Day 20ML									
82311123	Downy Day 20ML									
82311691	Downy Day 20ML									
82305522	Downy HB day 10									

DETAIL STORAGE

OWNER MESA FROM DATE 2019/10/10 TO DATE 2019/10/11 TYPE SKU

SHELFLIFEDETAIL

OWNER	SKU	DESCRIPTION	NET WEIGHT	GROSS WEI...	CUBE	OPEN PC	INBOUND PC	OUTBOUND ...	CLOSE PC	OPEN CS	INBOUND CS	OUTBOUND ...	CLOSE CS
MESA	82286612	Dao Cao vi 24(4 C...	0.117	0.117	1,691.667	5,027.000	0.000	1,992.000	3,035.000	209.458	0.000	83.000	126.458
MESA	82296111	Downy H.bi day 10...	0.220	0.220	695.310	3,867.000	643.000	1,613.000	2,897.000	92.071	15.310	38.405	68.976
MESA	82296098	Downy D.me day 1...	0.000	0.000	0.000	2,882.000	11.000	1,296.000	1,597.000	68.619	0.262	30.857	38.024
MESA	82277740	Downy Nang Mai 2...	0.241	0.241	695.310	4,275.000	2,902.000	1,241.000	5,936.000	101.786	69.095	29.548	141.333
MESA	82183164	Luoi lam-GST Dou...	0.007	0.007	15.500	6,636.000	80.000	960.000	5,756.000	331.800	4.000	48.000	287.800
MESA	82293900	H&S bac ha 6G(loa...	0.094	0.094	317.283	5,767.000	0.000	894.000	4,873.000	96.117	0.000	14.900	81.217
MESA	82293058	Pant NRT 6G(12+2...	0.108	0.108	317.283	6,547.000	1,142.000	870.000	6,819.000	109.117	19.033	14.500	113.650
MESA	82298281	Downy C.hut day 1...	0.000	0.000	0.000	765.000	426.000	803.000	388.000	18.214	10.143	19.119	9.238
MESA	82270343	Pant xa NRT 6mIX...	0.091	0.091	317.283	3,066.000	0.000	766.000	2,300.000	51.100	0.000	12.767	38.333
MESA	82278840	Rej SM (12 +2) 6gx...	0.087	0.087	166.667	5,883.000	0.000	698.000	5,185.000	98.050	0.000	11.633	86.417
MESA	82253854	DC Gillette blue II ...	0.054	0.054	333.833	19.000	602.000	607.000	14.000	1.583	50.167	50.583	1.167
MESA	82292450	Downy day phoi tr...	0.230	0.230	695.310	1,583.000	504.000	537.000	1,550.000	37.690	12.000	12.786	36.905
MESA	82278848	Rej xa SM 12 gói 6...	0.087	0.087	279.300	2,702.000	9.000	402.000	2,309.000	45.033	0.150	6.700	38.483

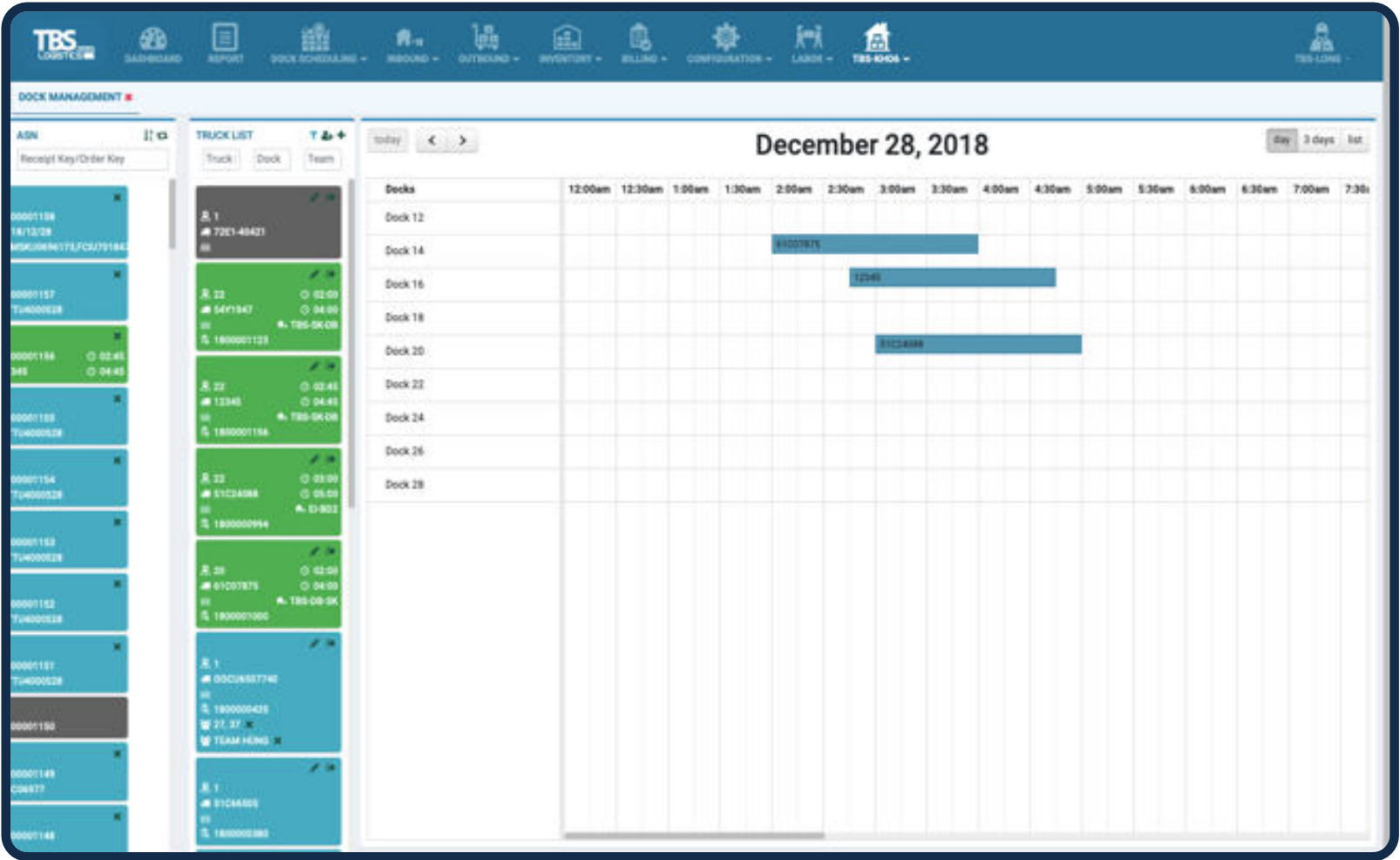
1 - 20 / 1026

Dock management helps to plan shipment efficiently

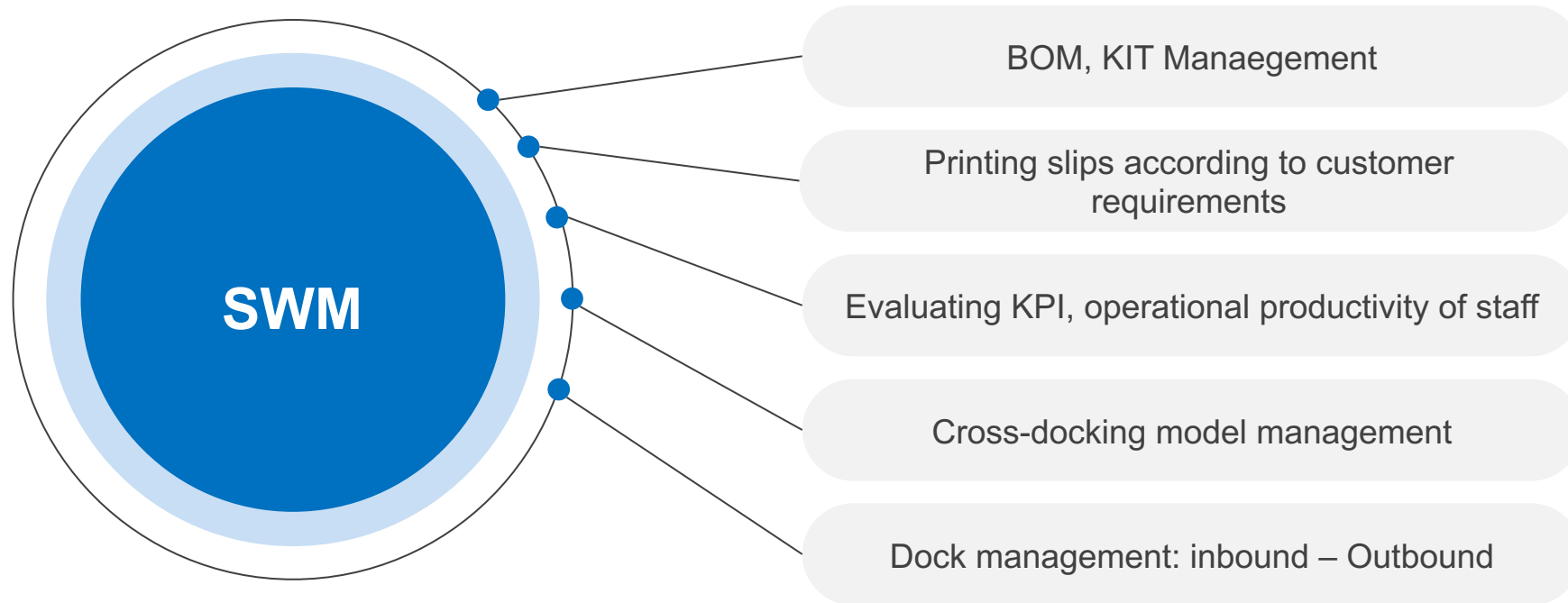


- Inbound
- Inventory
- Outbound
- Dashboard

- Efficient planning for pickup and delivery of truck
- Designated doors for trucks to enter according to specific unloading/loading times
- Efficiently managing unloading/loading time and measure KPI
- Easy to use by dragging and dropping the truck into the allotted time frame



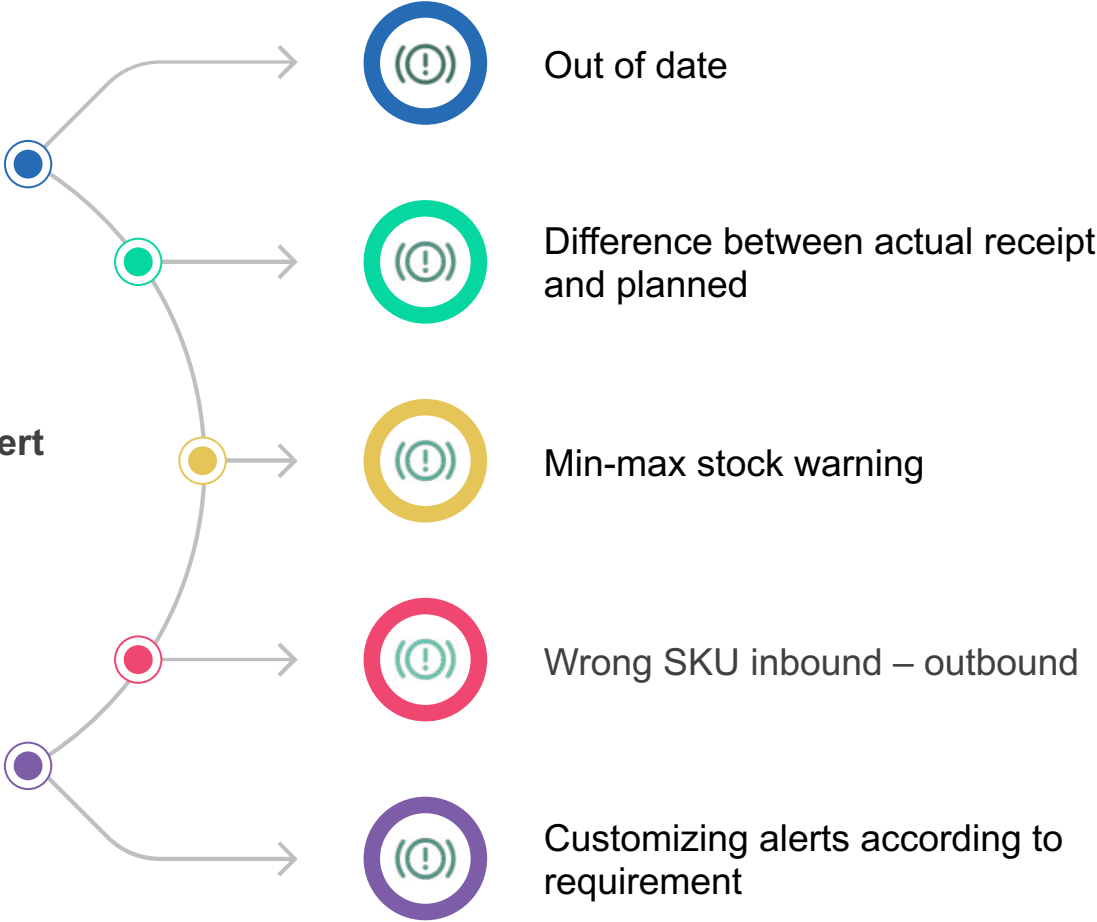
Other outstanding features further meet customer requirements



Features that effectively support intelligent management



Automatic alert



Smartlog provides/consults hardware equipment for customers



Brand	<i>Seuic</i>	<i>CHAINWAY®</i>	 BDStar Navigation Group
Model	SEUIC – AUTOID9 	Chainway C4050-Q4 	Kaicom K7 
Processing speed	Qualcomm 1,3GHz, Quad-core	Qualcomm 1,3GHz, Quad-core	Qualcomm 1,0GHz, Quad-core
Storage (RAM/ROM)	2Gb/16Gb	2Gb/16Gb	1Gb/8Gb
Display	4" WVGA (480*800)	4" WVGA (480*800)	4" WVGA (480*800)
Battery (mAh)	4,000 mAh	3,200 mAh	4,000 mAh
Operating System	Android 5.1	Android 5.1	Android 5.1
Connection type	4G/Wifi/Bluetooth	4G/Wifi/Bluetooth	4G/Wifi/Bluetooth
Sealing (IP)	IP67	IP64	IP65
Reference pricing	15,500,000	12,200,000	14,100,000

Smartlog provides/consults hardware equipment for customers



Brand	 ZEBRA	 ZEBRA	 ZEBRA
Model	<p>Zebra ZD230</p> 	<p>Zebra GX430t</p> 	<p>Zebra ZT410</p> 
Resolution (dpi)	203	300	203
Print Width(mm)	118	104	118
Memory	512mb Flash – 256mb SD Ram	4mb Flash 8mb Expanded Flash	512mb Flash – 256mb DRam
Print speed (mm/s)	365	356	450
Product Warranty	1 năm	1 năm	1 năm

Proud of the value that SWM has brought



	Reducing labor, MHE expenses	<ul style="list-style-type: none">• Speed up outbound based on the operating tactics of the system• Speed up inbound thanks to integration and pre-printed labels on the system• Optimizing operation by eliminating manual steps by Realtime on Handheld• Indication system, available instructions for operation	10-15% Optimal
	Reducing management expenses	<ul style="list-style-type: none">• Data statistics in the form of Dashboard/Report• Automatically alerting according to activities/alerts• Proactively control order and plan, tactical processing	5-10% Optimal
	Reducing inventory	<ul style="list-style-type: none">• 100% accurately managing inventory data, inbound/outbound activities• 100% accurately managing Batch/Lot, Pallet to each distributor	10-15% Optimal
	Reducing storage expenses	<ul style="list-style-type: none">• 3D visualization charts in inventory for storing planning• Accurately storing detailed information to each pallet• Saving all transaction history, employee output	10-15% Optimal
	Improving service	<ul style="list-style-type: none">• Improving service quality by reducing customer pick-up time• Enhancing the accuracy and visualization of data for customers• Retrieving analytics data for customers• Tracking outbound by Pallet for each Batch/lot for each Distributor	

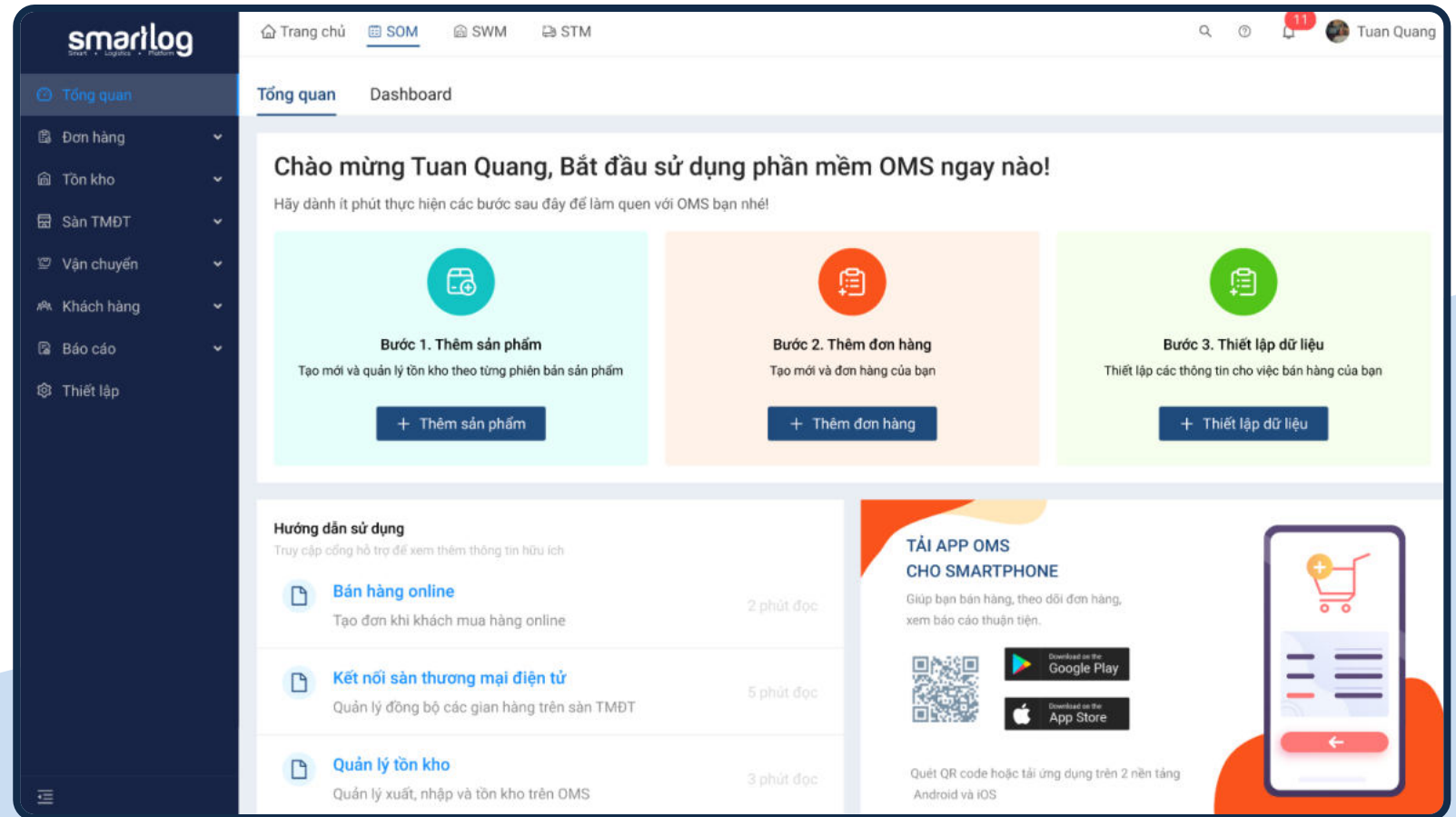
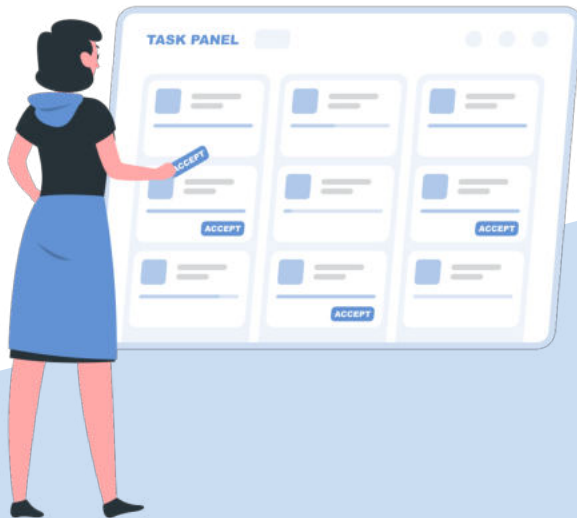
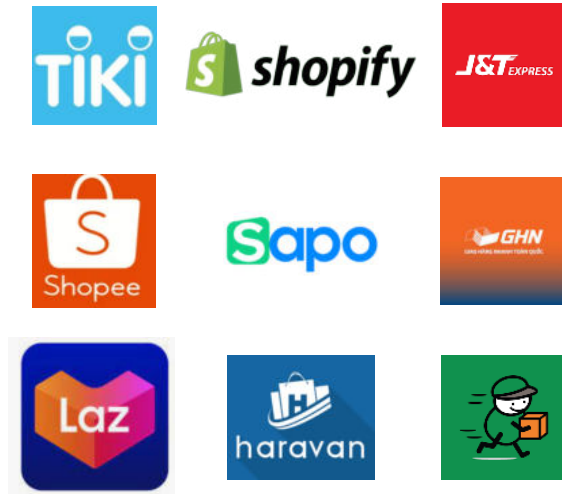
Order Management Solution - SOM



SOM - Focus on supporting to manage order and to plan

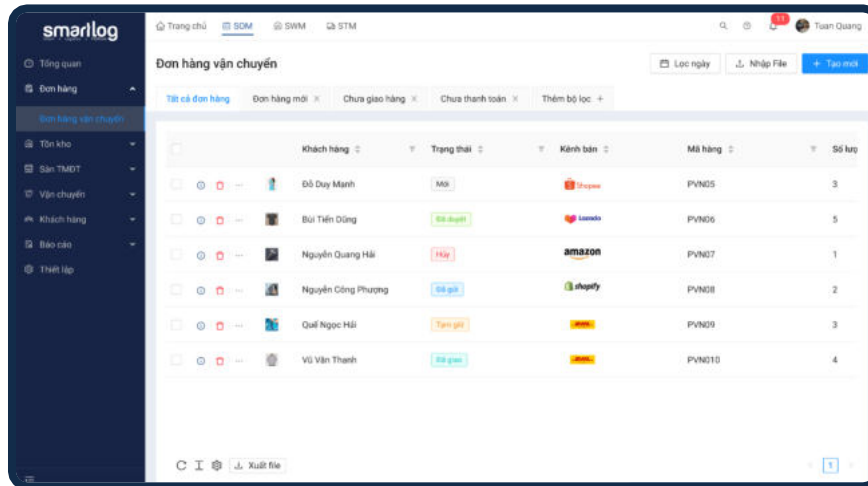
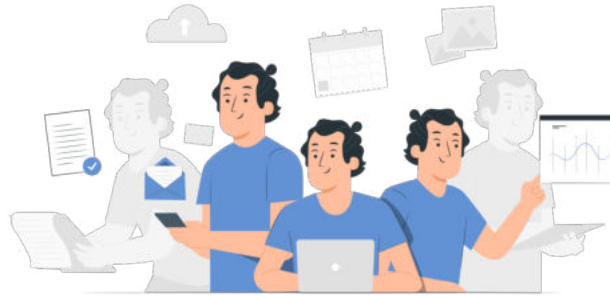


1. Managing orders on a user-friendly and multi-functional platform



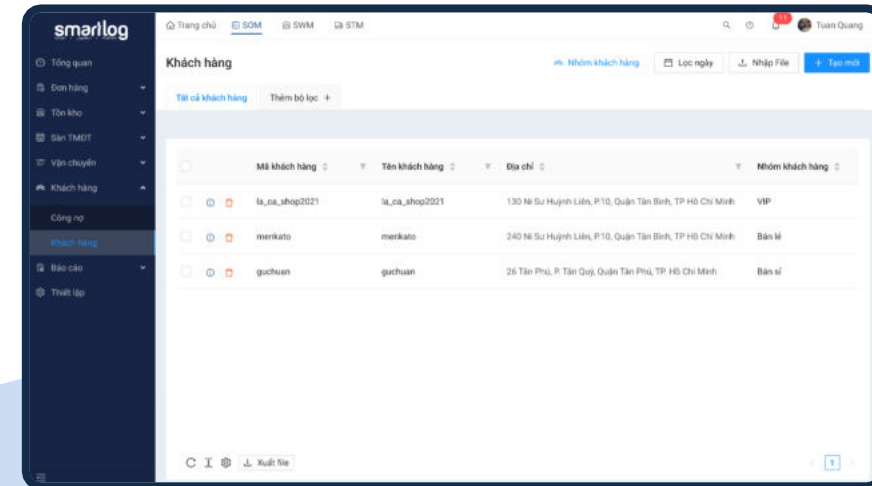
- Easy to track order
- Integrated to receive orders from multiple channels

2. Order processing on 1 interface for multi-channel



Tracking all orders on 1 interface:

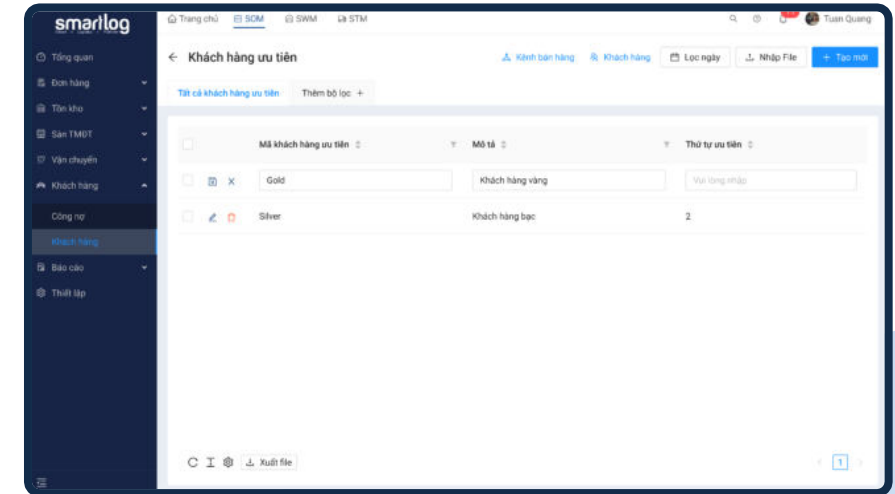
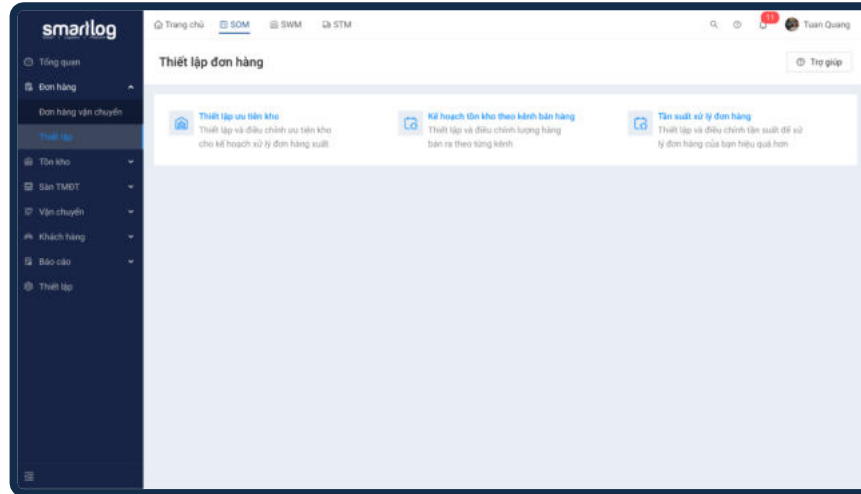
- Tracking orders by shipper / whole / whole sales channel, shipping service package
- Controlling orders by status
- Displaying a warning for orders that are late to process



Customer and product management:

- Managing customer segment by channel
- Making order frequency statistics to build priority tactics for each customer set/channel

3. Order allocation



1. Setup customer order/priority processing channel

- Solving the problem of prioritizing orders by channel / audience instead of manual tracking and by feelings.
- The reservable features by channel will support order management and SLA commitments with customers

2. Setting the processor inventory levels

- Expand the reservable inventory level from available stock, to on-the-go inventory, to production inventory,... to help manage future orders as well as automatically process priority orders when available.
- Fix manual inventory tracking (tracking)

- Reducing manual order processing
- Reducing manual inventory tracking

4. Inventory Planning



smarlog

Trang chủ SOM SWM STM

Thiết lập tồn kho theo kênh

Kênh	Kho	Mốc thời gian	Mã hàng	Mô tả	ĐV	Target sale	SL đã bán	SL đã đặt hàng	SL còn lại	Tổng tồn kho hiện tại	Tồn kho đang đi đường
GT	R1	Tuần	FBCA13 8102	Sữa bột Abbott Pedia Sure 850g	Hộp p	20000	8500	1000	10500	800000	10000
MT	R1	Tuần	FBCA13 8102	Sữa bột Abbott Pedia Sure 850g	Hộp p	40000	23000	900	16100	800000	10000
ETHI CAL	R1	Tuần	FBCA13 8102	Sữa bột Abbott Pedia Sure 850g	Hộp p	10000	800	500	8700	800000	10000

Hủy Lưu

- Reducing loss of sales
- Tối ưu chi phí điều chuyển hàng hóa, vận chuyển
- Optimizing expenses of goods moving/shipping

When there are many Ecommerce sales channels (Shopee, Tiki, Lazada, Web), GT, MT, stores and each sales channel has a different priority, the distribution of inventory by channel helps customers with problems:

1. Planning ahead on the principle of inventory allocation by channel/warehouse
2. Constraining the rules of which goods belong to which channel
3. Automatically creating inventory transfer orders according to optimal operating constraints (transportation, storage expenses)

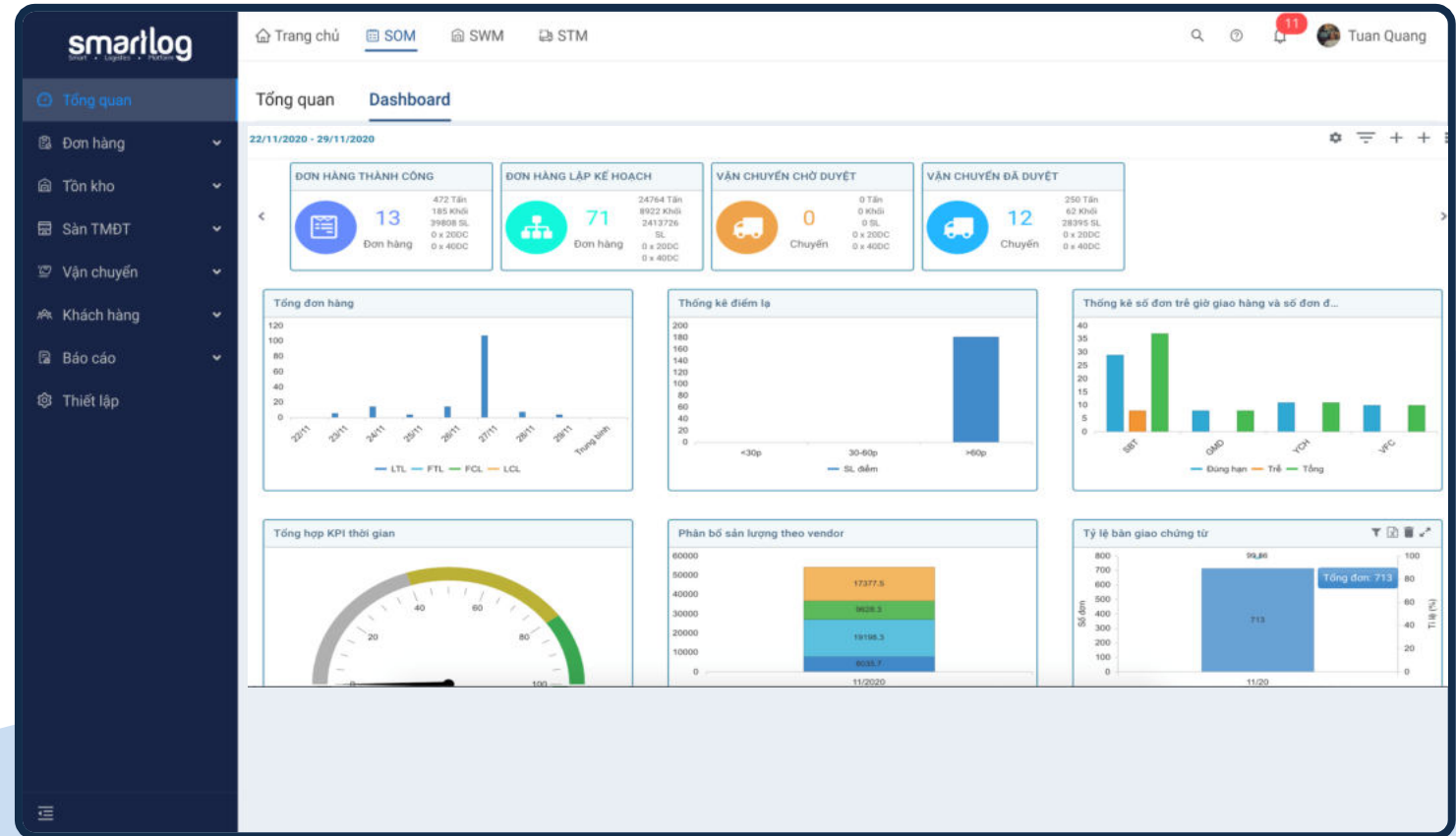


5. Dashboards








Customizing reports that meets tracking requirements of customer:

- Tracking order status in channels/carriers
- Tracking sales revenue of each channel by day/month/year
- Tracking inventory/ each warehouse
- Tracking COD



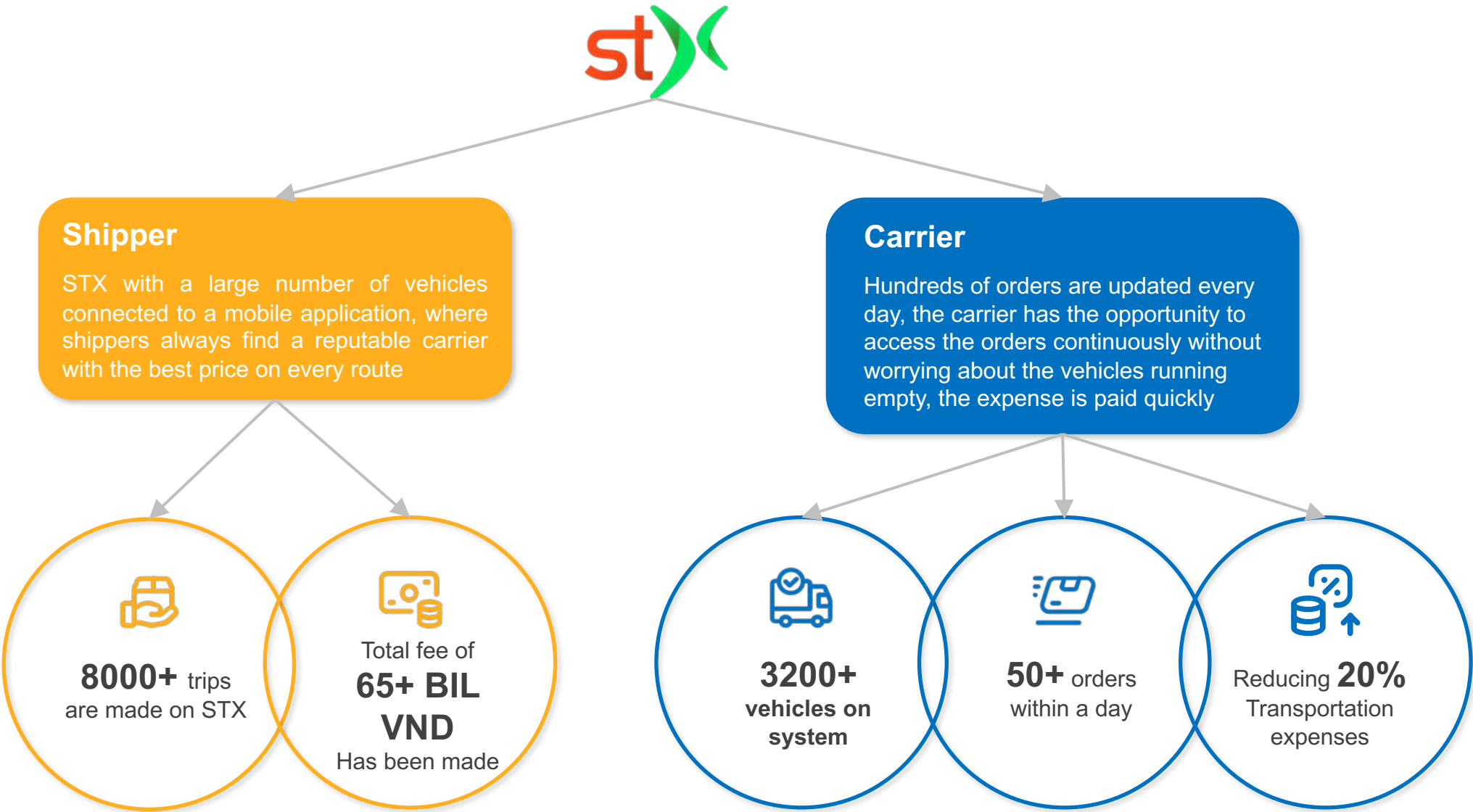
Expected value that OMS will bring



	Integration <ul style="list-style-type: none">Reducing tracking and processing time in various channelsReducing mistakes in order processing	10-15% Optimal
	Order processing <ul style="list-style-type: none">Reducing time to make decision for order processing for priority, exceptional orders	5-10% Optimal
	Order allocation <ul style="list-style-type: none">Reducing time to process order according to different prioritiesIncrease customer's experiences by managing time commitmentReducing warehouse and transportation operating expenses	10-15% Optimal
	Inventory planning <ul style="list-style-type: none">Reducing inventory tracking and adjusting time for channelsReduce inventory expenses	10-15% Optimal
	Improving service <ul style="list-style-type: none">Improve service quality through accurate updates, timely order processingUnify customer experience across sales channels	

Transportation Exchange Solution - STX





4-step process of information exchange

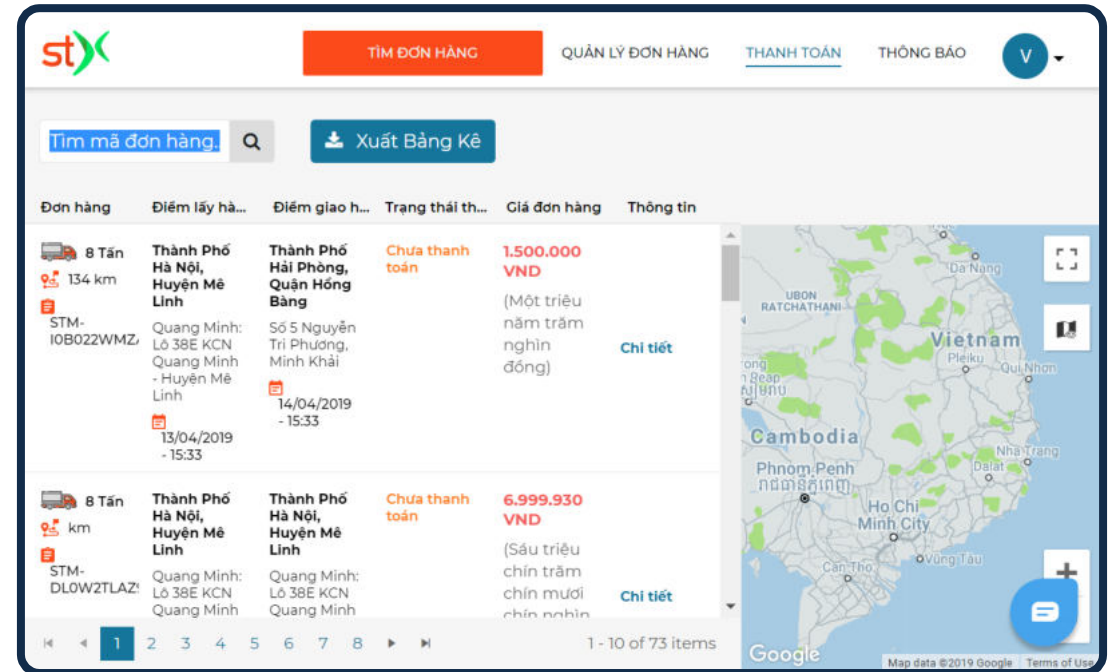
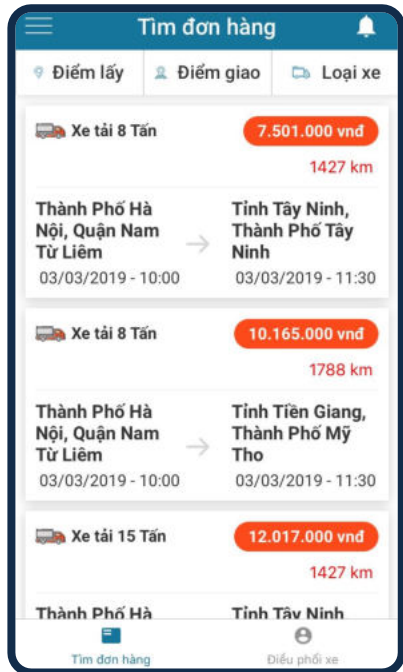


1. Finding trip

2. Approving trip





3. Tracking route

4. PAYMENT



Proud of the value that STM has brought



	Reducing expense of vehicles <ul style="list-style-type: none">• Increase vehicle efficiency (tonnage, running time, delivered output)• Optimal transportation planning for home vehicles• Optimizing expense of Vendor's vehicle	Saving 20%
	Reducing managing and tracking expense <ul style="list-style-type: none">• Real-time tracking, full GPS integration with multiple suppliers• Automatic warning (delayed delivery, wrong route, wrong stop)• Delivery Authentication (E-POD), document capture• Manage all vehicle operations and expenses: fuel, repair, maintenance, depreciation• Driver management: salary, timekeeping, advance expenses, reimbursement	10% optimal
	Reducing expense of Vendor <ul style="list-style-type: none">• Help vendors use vehicles continuously and optimize trips and delivery routes• Increase access to vendor network by connecting TMX	5% optimal
	Benefits <ul style="list-style-type: none">• Increase customer satisfaction• Increase delivery proficiency• Improve cash flow• Increase compliance and reduce transportation risk	

Container Optimization Platform - COS



COS - Empty Container Reuse Platform



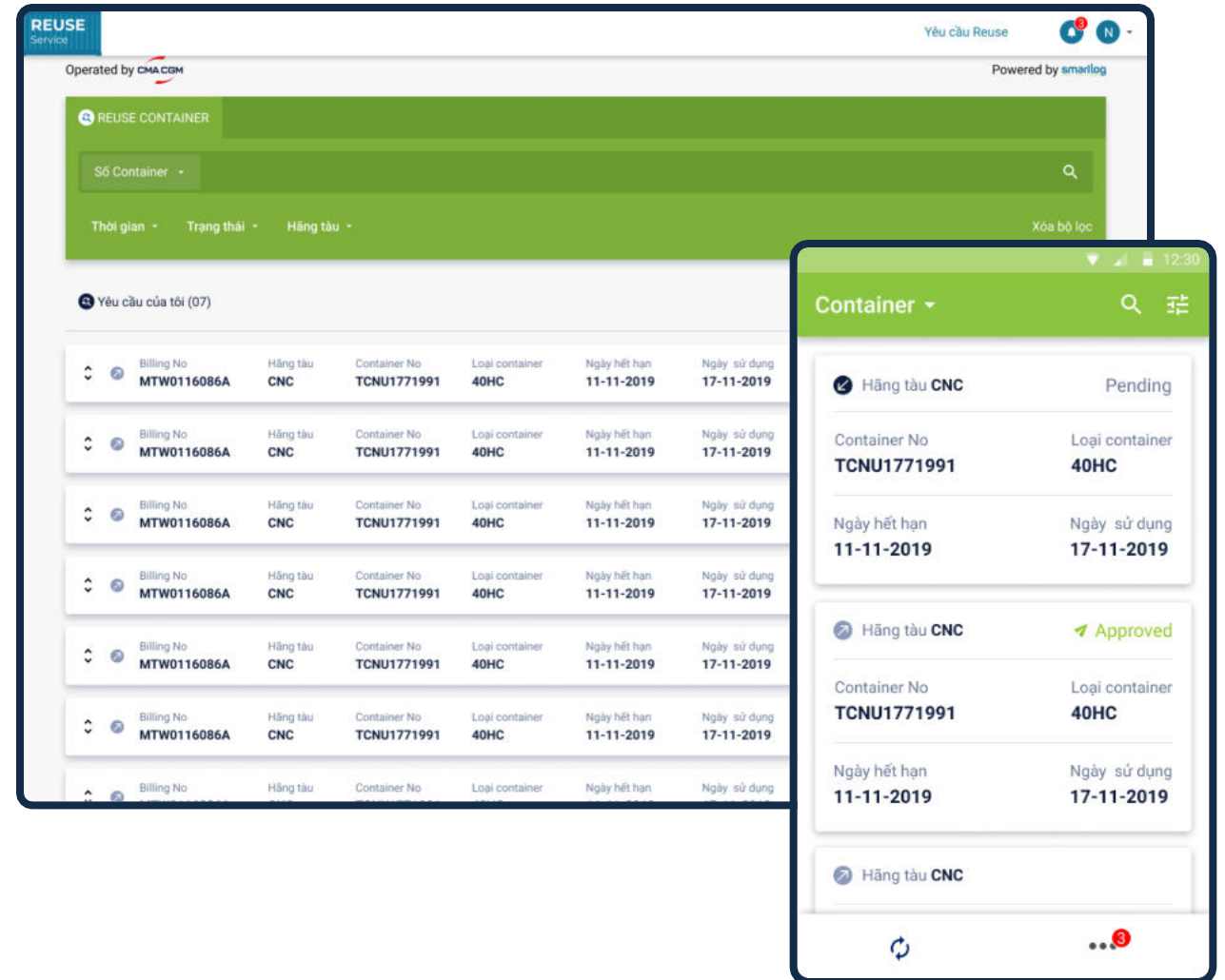
What is COS?

COS is the portal providing the platform for shipping lines to offer container optimization solutions for 3PLs, shippers, and carriers.

Improvements

- Automatically process order.
- Reduce empty- good trips and lift on – lift off charges by connecting importers with exporters.
- Reduce traffic jams and environmental pollution.

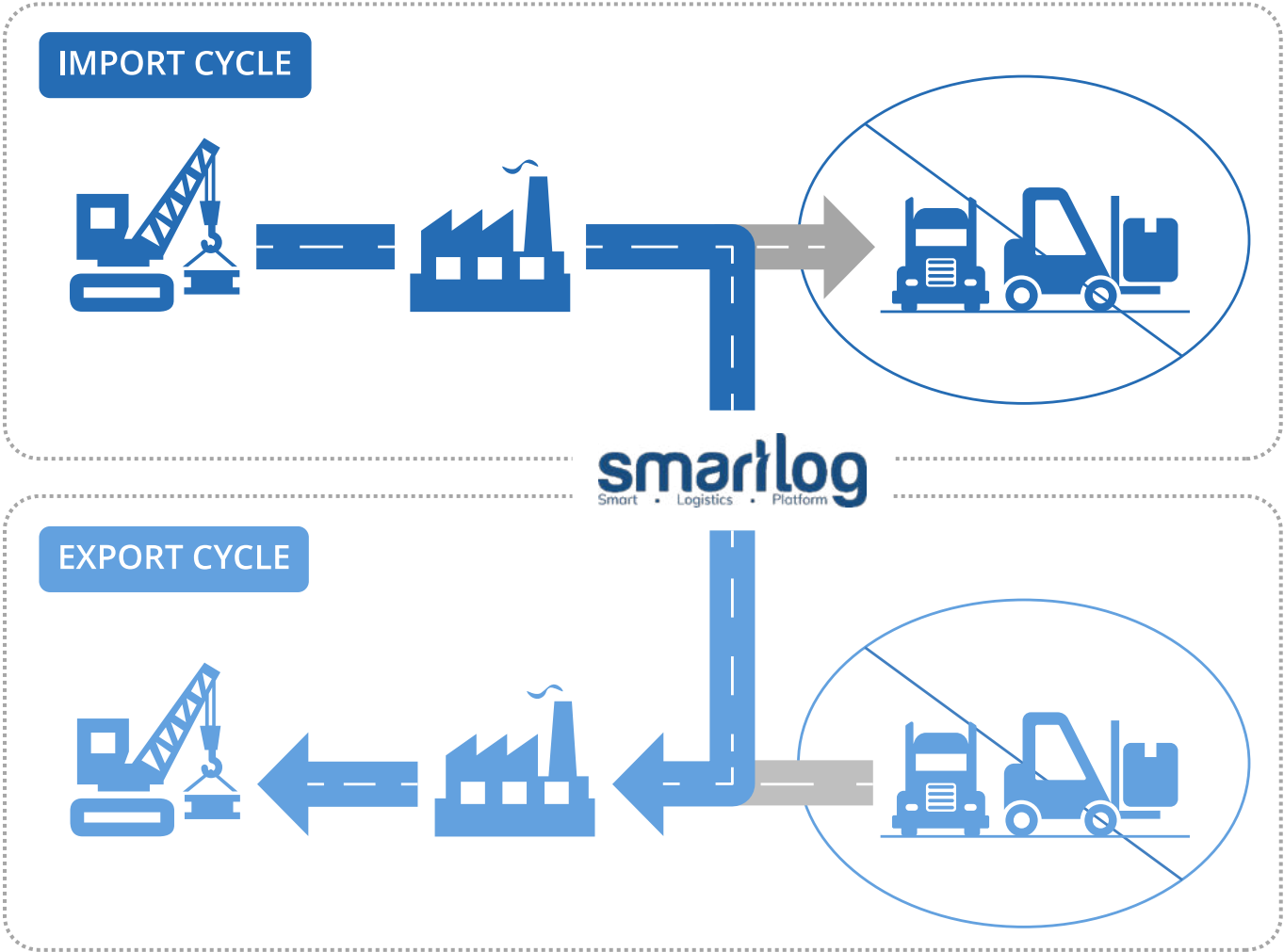
Customer & Partner



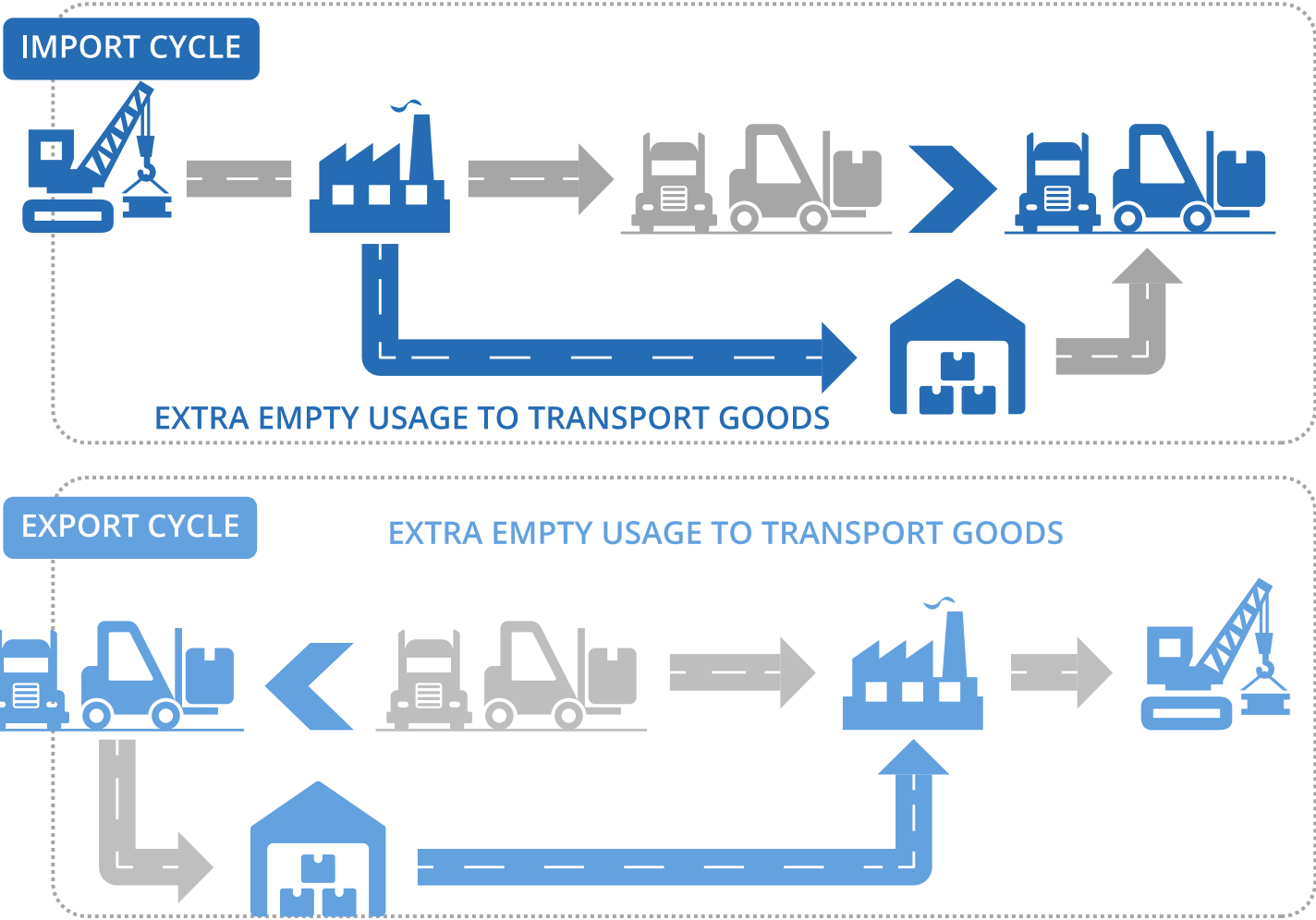
Container Re-use



Reducing the movement and lifting of empty containers by linking
importers with exporters that need to use container

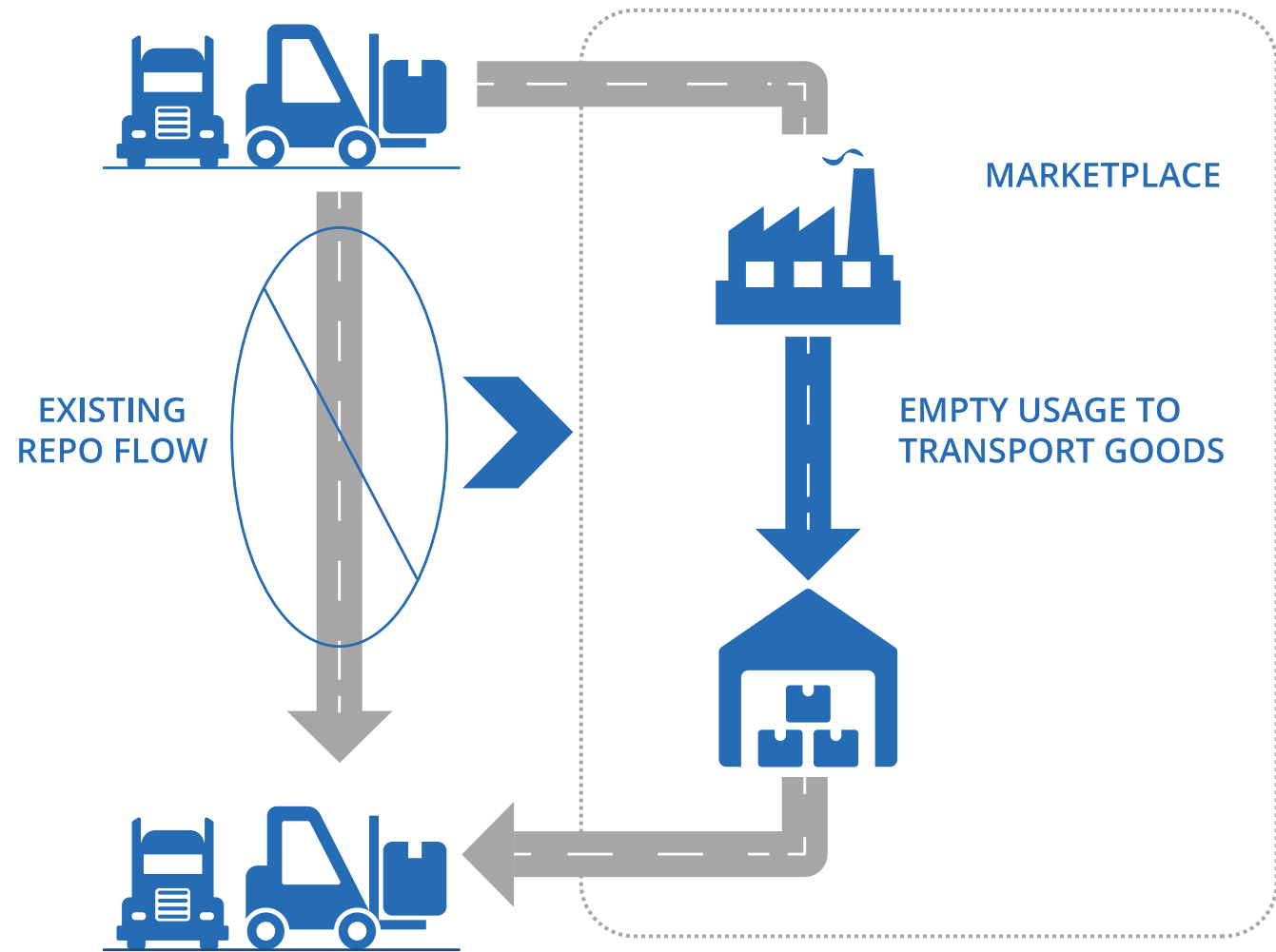


Increased flexibility in changing container pick up/drop off locations





Increase freight capacity by putting empty containers on the exchange



Brought value



MT Re-use

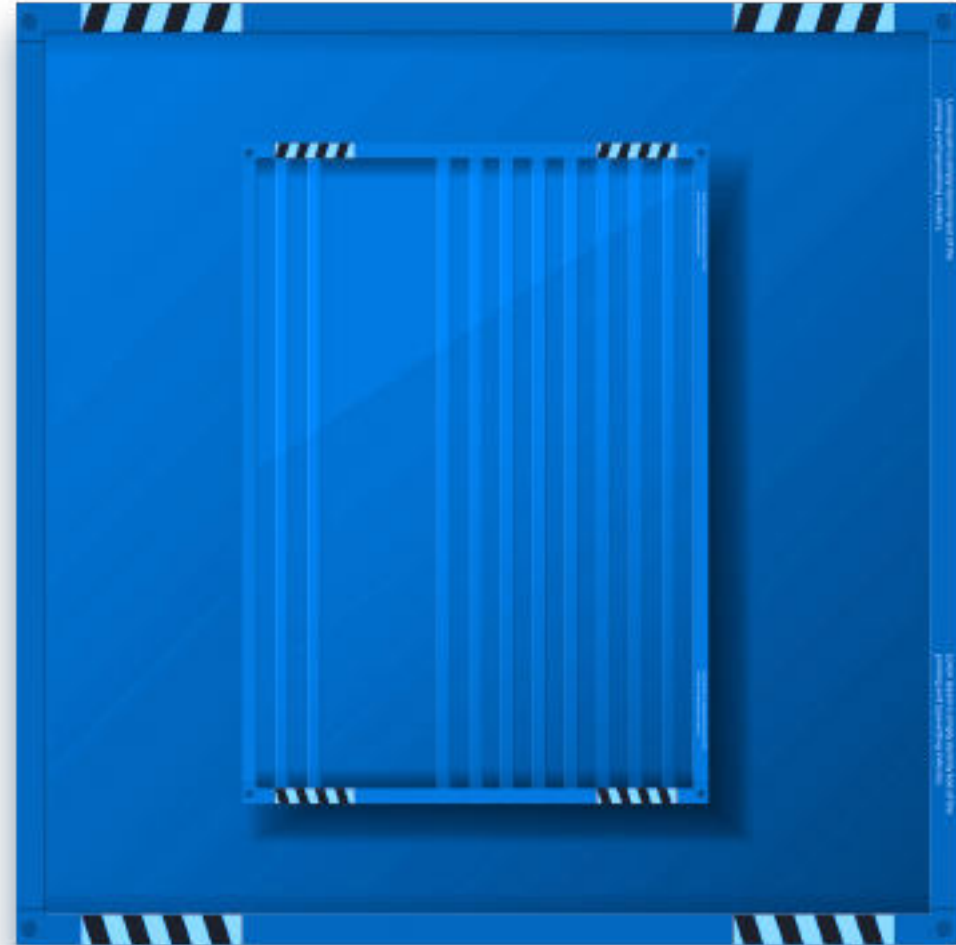
Saving lift on – lift off of empty container and reduce time moving to depot.

MT Move

Extra transportation with Empty Container by changing Drop off/Pick up location

MT Rental

Extra transportation between depo by push MT Container into Marketplace



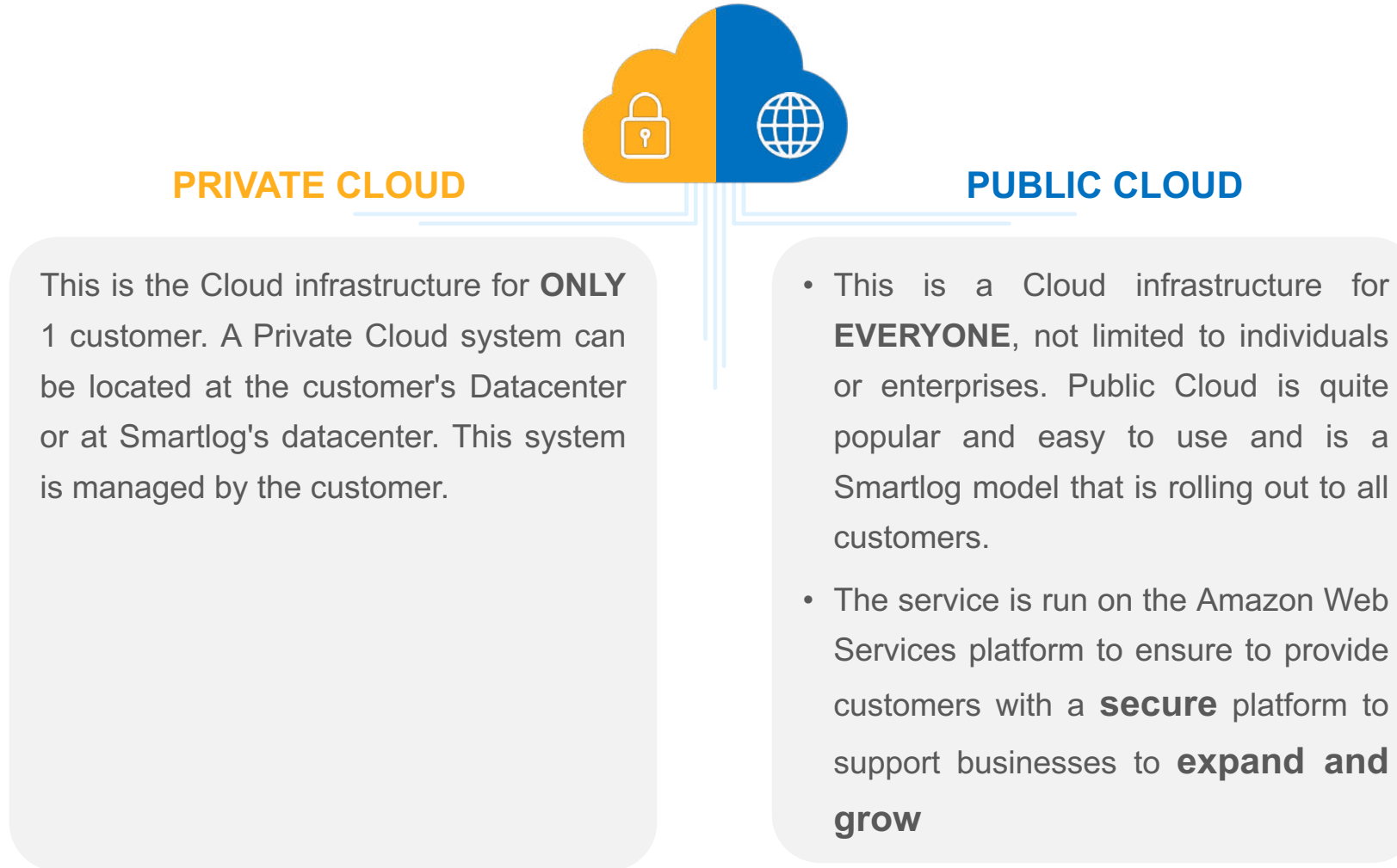
Technology



Technology



Smartlog deploys SaaS (WMS, TMS) on Cloud with 2 models



Server & programming language



STM

Programming language
.Net & Angular



Server
Viettel & Microsoft IIS



SWM

Programming language
.Net, Nodejs & Angular

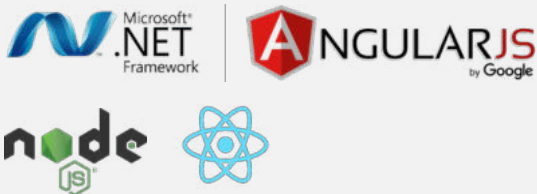


Server
Aws Cloud, Docker, Eks



STX

Programming language
.Net, Nodejs, React & Angular



Server
Aws Cloud, Docker, Eks



Assigning access rights

- Set a time limit so that ordinary users can't edit data for a particular day.
- User categories can be used to control to prevent users from viewing inappropriate data for assigned tasks.
- Managers can track the origin of users' access including date, time, IP address



IP address limit

User IDs can be set to log in from specific IP addresses. This allows users to be able to log into the company's computer or phone.

Password Policy

- We recommend that users change their passwords on a regular basis to ensure that a high level of security for data is maintained.
- The user can choose the time period to change the password.
- An ID address will be locked after 5 failed login attempts.



System security



Server

- SMARTLOG's servers are not located in any SMARTLOG offices but are hosted on AWS servers. The servers are installed in a secured database and in a rigorously tested environment.
- Employees do not have server access.
- Customer data is stored on many separate servers at all times.
- The servers are protected 24/24.
- The use of connected external storage devices is not allowed.



Amazon Web Services: SMARTLOG's system is hosted on Amazon Web Services.

Benefit:

- **Safe scaling with superior visibility and control**

With AWS, you have control over location data stored, who has access to data and resources that your organization is consuming at any given time. Ability to access control and identity level of detail combined with continuous monitoring for confidential information almost in real time to ensure that you always have access to the resources appropriately, regardless the location of information storage.

- **Automating and reducing risk with intensive integration services**

Automate security tasks on AWS enables enhanced security by reducing configuration errors caused by humans and help your team have more time to focus on the important work to the enterprise

- **Built with the highest standards of privacy and data security**

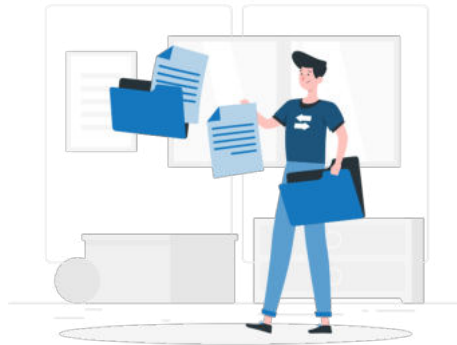
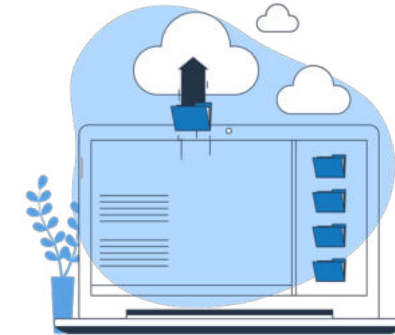
With AWS, you can thrive on the most secured global infrastructure, because you always own your data, including the ability to encrypt, move, and manage retention.

Backup & Restore



Backup by customer

- Customer data is copied on a regular basis. All data is stored in three different servers and copied daily.
- Daily replication allows to control and secure data.

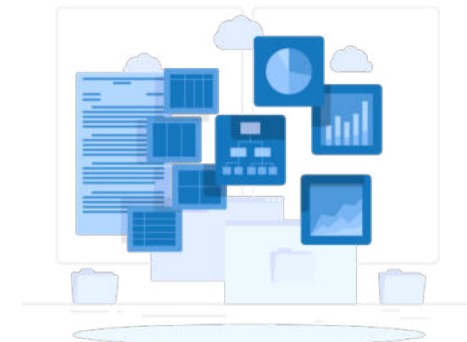


Backup by user

In addition to backup by Smartlog, we encourage customers to export data. This is also a backup and personal act.

Data storage

The system is set up so that information is not deleted accidentally. If the information is deleted, a “Delete” message will appear. Therefore, if data is accidentally deleted, it can be copied and restored. In case data is deleted due to vandalism, SMARTLOG will work with customers on a case-by-case basis to recover data as soon as possible.



Support service for Enterprise



Support service



Commitment to support services — Service level agreement (SLA)



24/7
customer
support






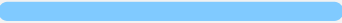

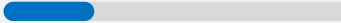

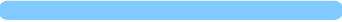


Quick and
timely handling



Diversity of
communication
channels



Young, dynamic and
knowledgeable team

Category	System error			New requirement
Level	 Low SLA	 Average SLA	 High SLA	All requirements
Level description	The system has an error arise but can still run and work	The system can run but the processing is slow	The system is completely suspended and cannot run	Additional requirements arising out of contract/agreement
Responding time	 4 hours	 4 hours	 1 hour	 4 hours
Handling time	 3 hours – 0 hour	 1 day – 0 hour	 4 hours – 0 hour	Sẽ thống nhất giữa 2 bên

Integrating solution



System infrastructure

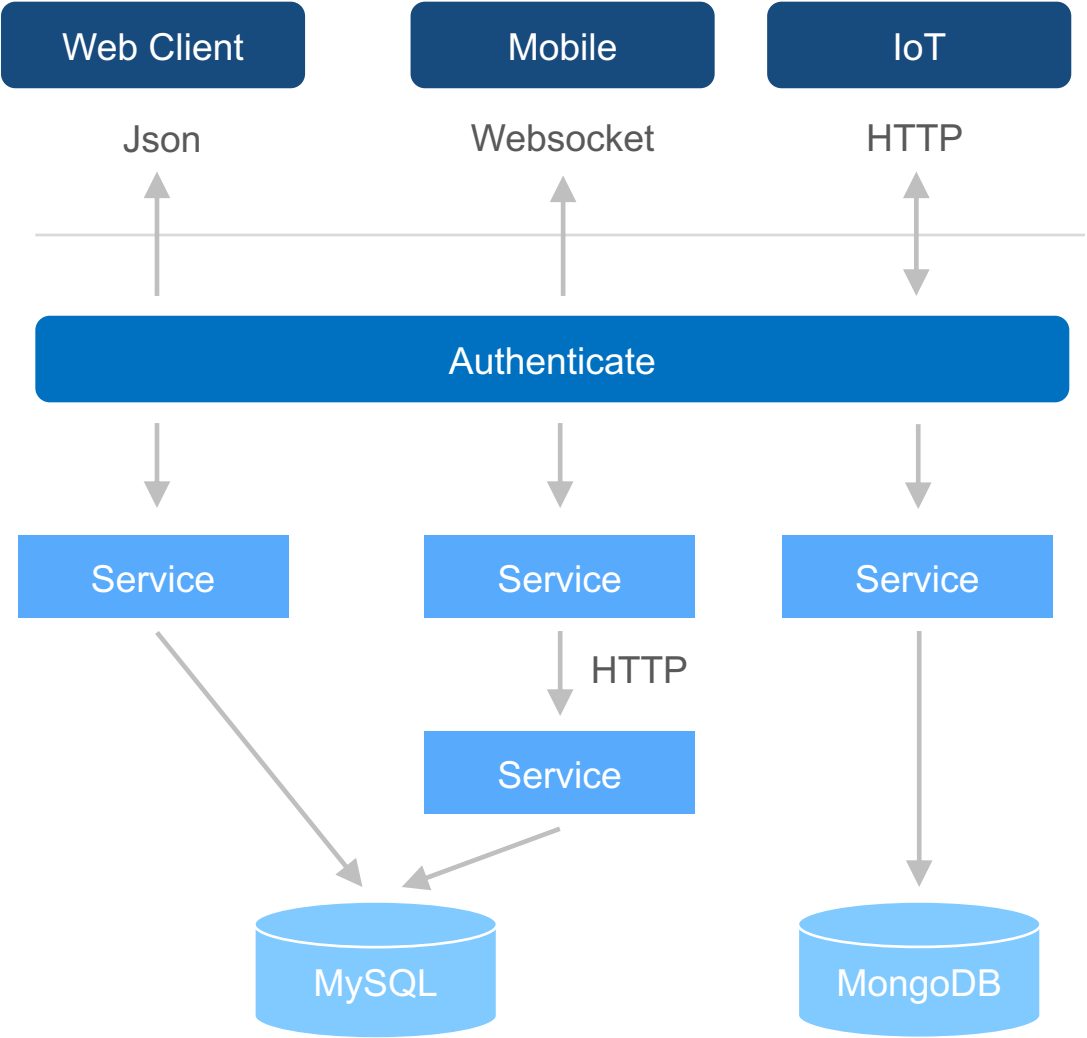


Database and programming language

Front-end
Angular, React

Back-end
NodeJS, .Net

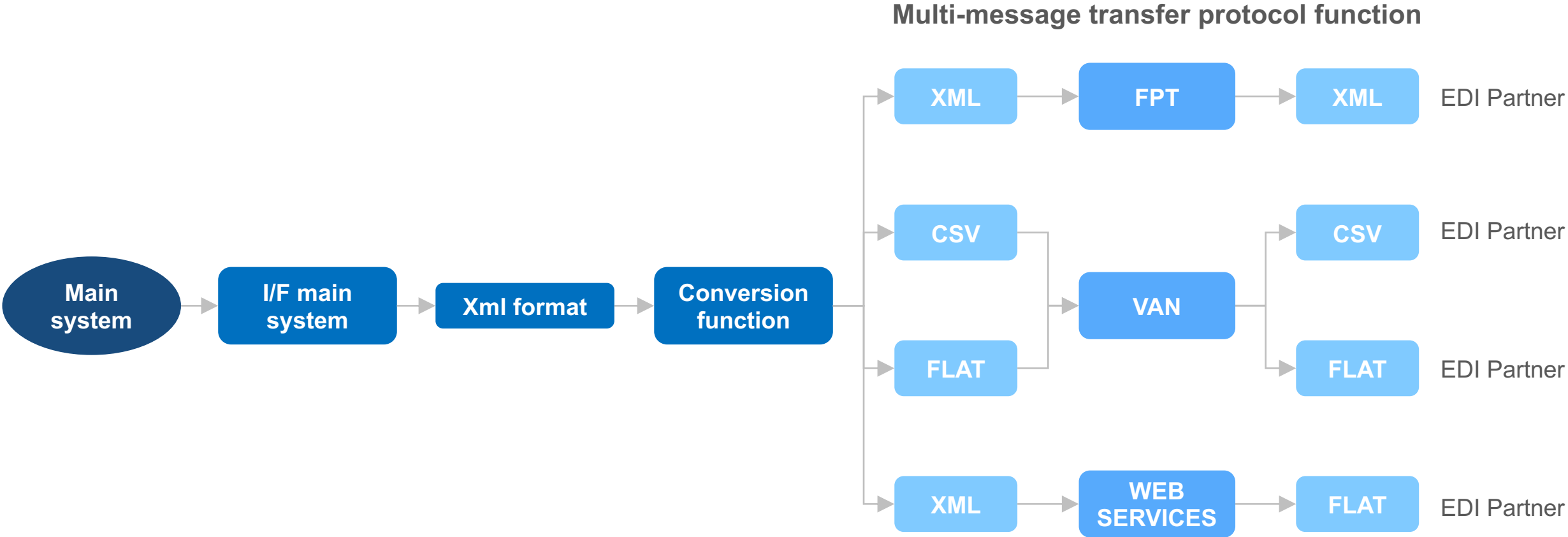
Database
MySQL, MongoD



CLIENT SIDE

SERVER SIDE

Integration capabilities






Customer

smartlog
Smart • Logistics • Platform


System

TÍCH HỢP 3PL



CENTRAL Group
VIETNAM

JASPAL



TÍCH HỢP TRỰC TIẾP



NutiFood

FIXmart



HỆ THỐNG ĐÃ TÍCH HỢP

ORACLE



Microsoft
Dynamics AX

BRAVO

FAST
PHẦN MỀM KẾ TOÁN & ERP

KiotViet
Cùng Bạn Làm Giàu

Integration experience



Customer	Owner	Description	Global / Local	Protocol	Integrated System
SWM (Smartlog Warehouse Management systems)					
VINAFCO	MOTUL	Lubricant	Global	FTP/EDI	SAP
TRASAS	JPAL	Fashion	Global	EDI	SAP
TRASAS	TRASAS	Alcohol, food	Local	API	SAP
FIXMART	FIXMART	Material	Local	API	Kios Viet
ACC	ACC	Chemical	Local	API	Microsof Dynamic
VINAFCO	Central group	Fashion	Global	EDI	GOLD/AX
STM (Smartlog Transport Management systems)					
Nutifood	Nutifood	Milk	Local	EDI	Oracle
Sabeco	Sabeco	Beer	Global	API	Bravo
SNPL	SNPL	3PL	Local	API	OTM
Sotrans	Colgate	3PL	Global	EDI	SAP
SAFI	SAFI	3PL	Global	EDI	FAST
All				API	GPS black box

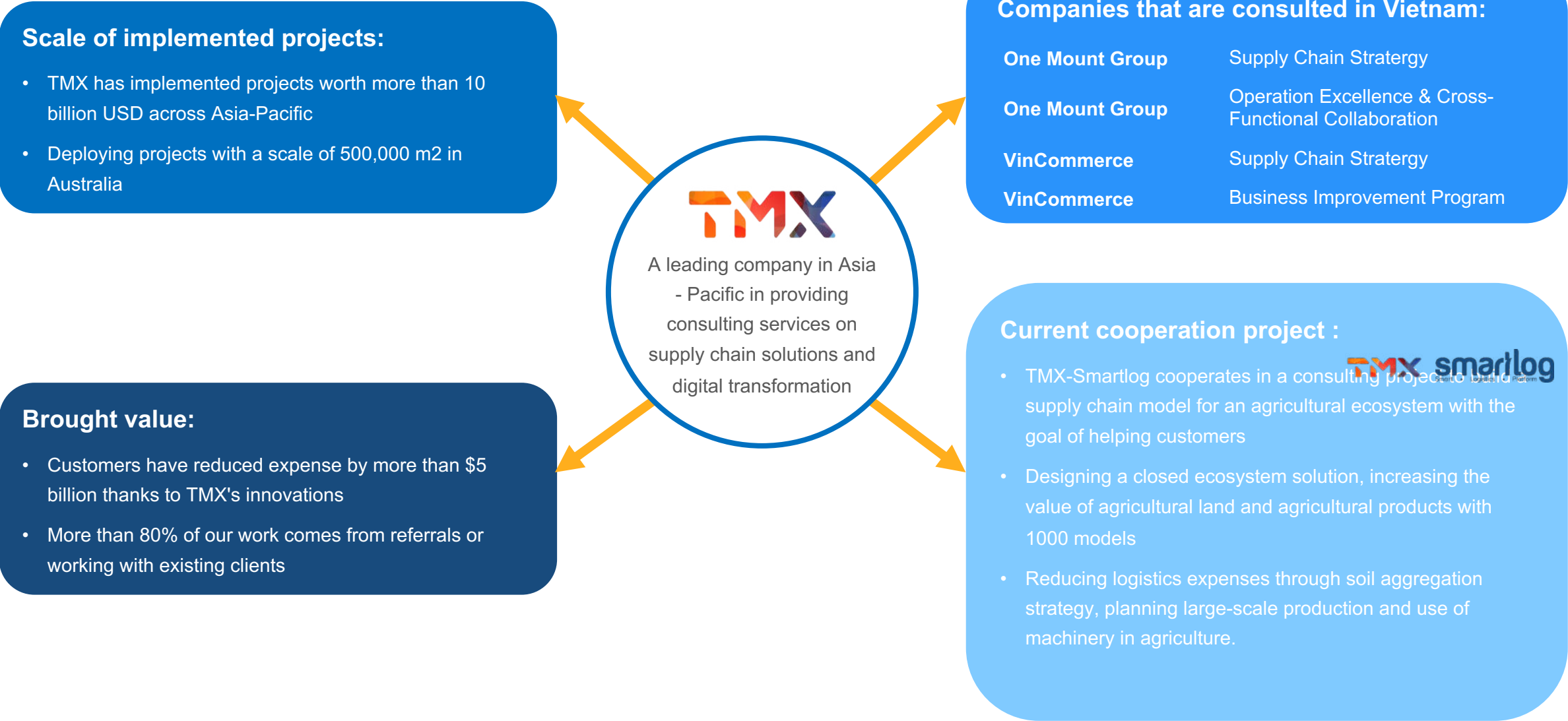
Strategic corporation



Expanding cooperation with strategic partners



Supply Chain Solution Consulting Partner



Expanding cooperation with strategic partners



CÔNG NGHỆ VÀ PHẦN CỨNG



NGHIÊN CỨU ROBOT, BIG DATA, MACHINE, LEARNING, AI



BUSINESS INTELLIGENCE & TƯ VẤN



Case study



Together with SABECO to build a technology ecosystem STM - SWM - Control Tower

STM System

SWM System

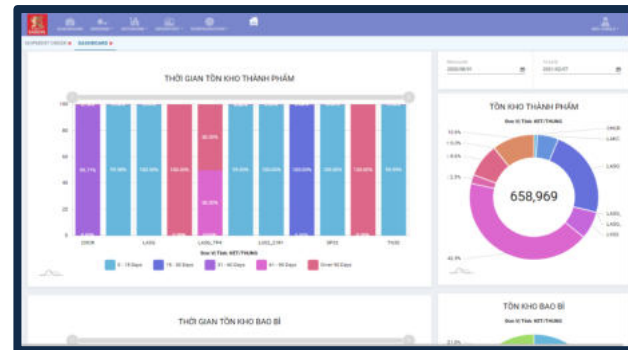
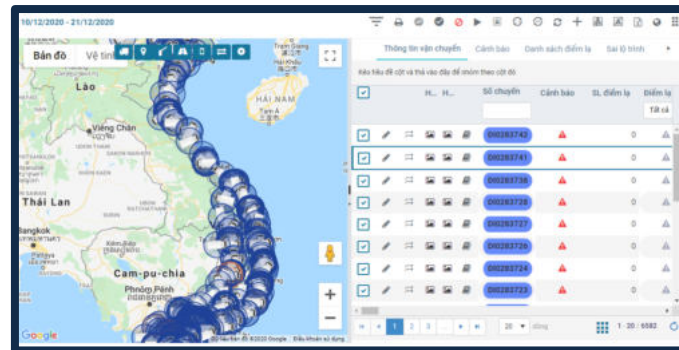
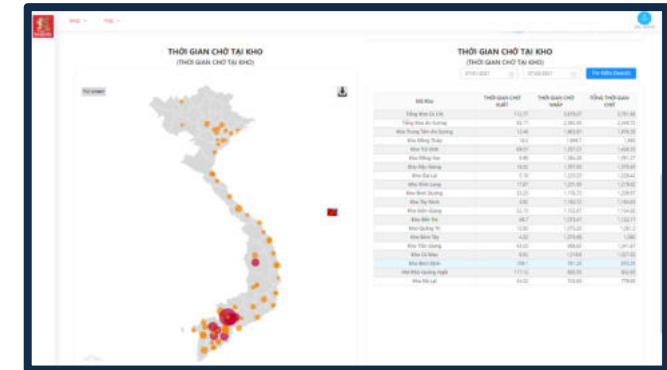
Control Tower



The leading customer
in the beverage
industry

Truck ID	Status	Name	Origin	Destination	ETA
A/161072/1/007	Đang chạy	SABECO	05/10/2021 08:18	07/10/2021 08:14	08/10/2021 08:00
A/153063/1/006	Đang chạy	SABECO	05/10/2021 08:18	07/10/2021 08:14	08/10/2021 08:00
A/153063/1/007	Đang chạy	SABECO	05/10/2021 08:18	07/10/2021 08:14	08/10/2021 08:00
A/200776/1/006	Đang chạy	SABECO	05/10/2021 10:18	07/10/2021 08:00	08/10/2021 08:00
A/180023/1/002	Đang chạy	SABECO	05/10/2021 09:18	07/10/2021 08:00	08/10/2021 08:00
A/170402/1/004	Đang chạy	SABECO	05/10/2021 09:18	07/10/2021 08:00	08/10/2021 08:00
A/02006/1/014	Đang chạy	SABECO	05/10/2021 10:36	08/10/2021 10:36	08/10/2021 10:00
A/27000/1/003	Đang chạy	SABECO	06/10/2021 10:12	08/10/2021 10:12	07/10/2021 10:00
A/27000/1/007	Đang chạy	SABECO	06/10/2021 10:12	08/10/2021 10:12	07/10/2021 10:00
A/30093A/1/007	Đang chạy	SABECO	06/10/2021 09:36	08/10/2021 09:36	06/10/2021 10:00
A/20205A/1/001	Đang chạy	SABECO	06/10/2021 09:12	08/10/2021 09:12	06/10/2021 10:00

Item Name	Quantity	Status
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK
Bia chanh (SABECO)	1.000.000	OK



Actual operation

- Number of daily trucks : > 500
- Number of daily trips: 700
- Number of vendors: 30
- Number of warehouses: 100

Implemented solution

- E2E comprehensive Visual Control Tower
- Tracking order status in real time via TMS and reducing paperwork via WMS
- Managing 100 warehouses and 30 vendors
- Area dumping detection
- Reconciliation with vendors and automatic reporting

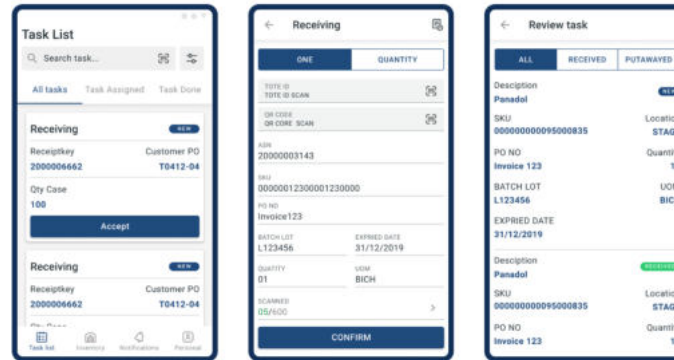
One Mount Group - Building SWM and STM systems



Khách hàng đứng đầu
trong lĩnh vực phân
phối bán lẻ

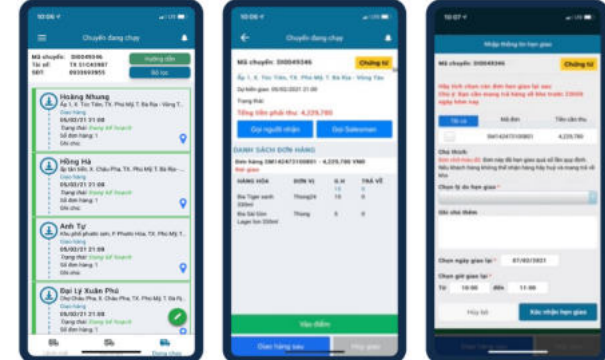
STM System

ID	Status	Location	Date
1	NEW	10000000000000000000	2020-12-01
2	NEW	10000000000000000000	2020-12-01
3	NEW	10000000000000000000	2020-12-01
4	NEW	10000000000000000000	2020-12-01
5	NEW	10000000000000000000	2020-12-01
6	NEW	10000000000000000000	2020-12-01
7	NEW	10000000000000000000	2020-12-01
8	NEW	10000000000000000000	2020-12-01
9	NEW	10000000000000000000	2020-12-01
10	NEW	10000000000000000000	2020-12-01



SWM System

ID	Status	Location	Date
1	NEW	10000000000000000000	2020-12-01
2	NEW	10000000000000000000	2020-12-01
3	NEW	10000000000000000000	2020-12-01
4	NEW	10000000000000000000	2020-12-01
5	NEW	10000000000000000000	2020-12-01
6	NEW	10000000000000000000	2020-12-01
7	NEW	10000000000000000000	2020-12-01
8	NEW	10000000000000000000	2020-12-01
9	NEW	10000000000000000000	2020-12-01
10	NEW	10000000000000000000	2020-12-01



Actual operation

- Number of daily trucks : > 2000
- Number of daily trips: 700
- Number of vendors: 30
- Number of warehouses: ~3 and 2 hubs

Implemented solution

- **STM and SWM duo solution** (nationwide)
- Control tower helps control the whole chain
- Effectively control vendor's vehicle
- Optimizing fleet operation
- Managing fleets and transportation and tracking KPIs

BRENNTAG - Solving transport optimization problems



BRENNTAG Global market leader in chemical distribution

Automatically planning and assigning trips for drivers via mobile app

Optimizing route and vehicle, 22% expense reduction

Real-time order tracking (GPS, Mobile GPS)

Order	Manually	Automatically
99 delivery points	120 mins	10 phút

Saving 91% of time

	Manually	Automatically
Total transporting distance	3405 km	3216 km
Total requested truck	25 trucks	23 trucks

Saving 22% total monthly expense

- Reducing paperwork
- Reducing expense of reconciliation with vendors : 80%

Actual operation

- Intuitive fleet management
- Transport and truck planning
- High operating expenses
- Manual data management
- Extending payment

Implemented solution

- Using transportation management system STM

VINAFCO - Warehouse control solution



Leading logistics service provider (Transportation, Warehousing) in Vietnam

Results



Reducing time to create an inbound/outbound order up to 40%-50%



Reducing time to put away by 45%



Reducing time to pick by 40%



Reducing human resources by 25%



Reducing warehouse operation expenses by 25%-40%



Managing warehouse by real-time

Deployed customers: Central Group, Perfetti Van Melle (Vietnam) Ltd,...

Concern

- Reducing inventory expenses, reducing time for packing & putting-away
- Minimizing errors in warehouse operations

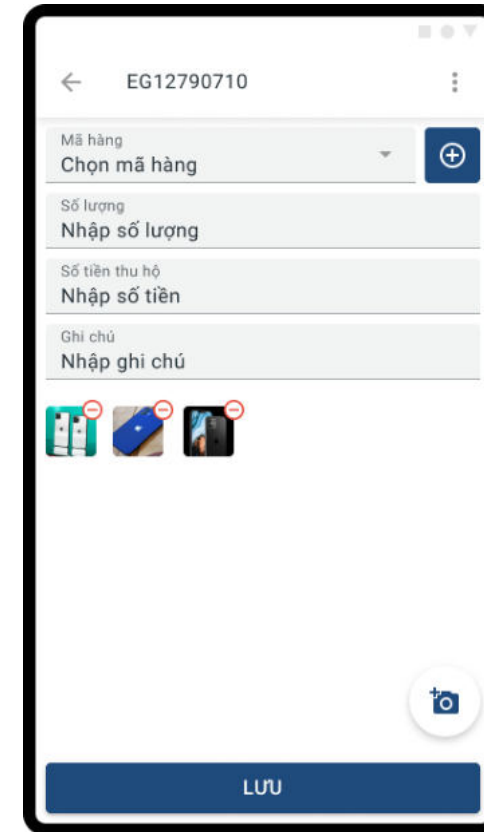
Implemented solution

- Using warehouse management system SWM

VN POST - Exchange system and transportation management



The largest transportation company in Vietnam



Actual operation

- High transportation expenses
- Lots of paperwork
- No real-time order tracking

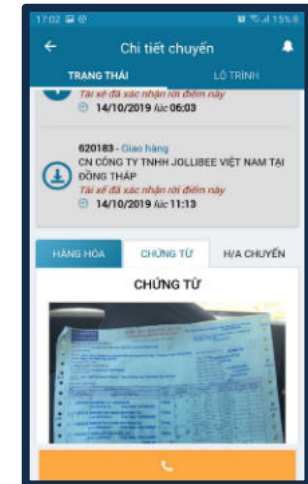
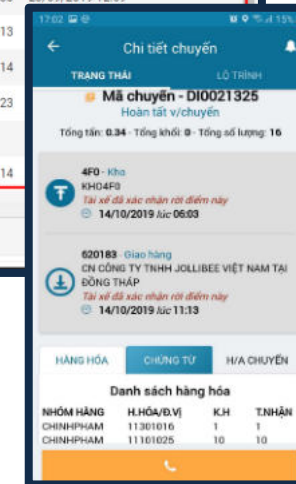
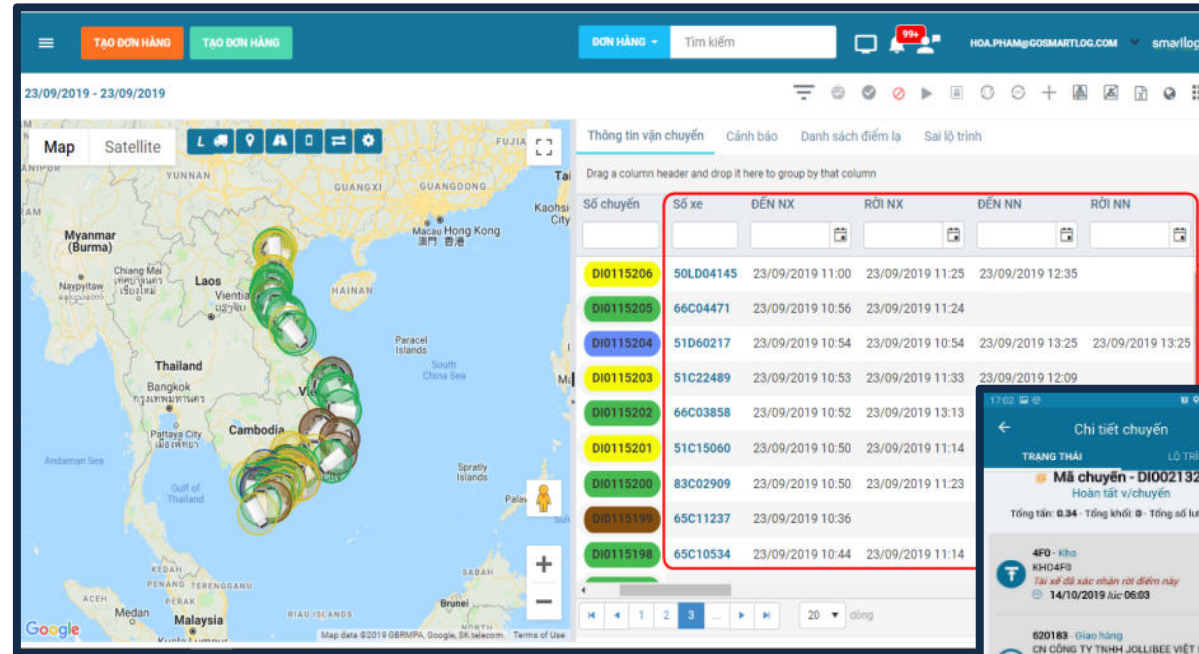
Implemented solution

- Joining Smartlog Transport Exchange (STX)
- Using transportation management system STM

THACO - Building a TMS platform for transnational logistics management



The company provides logistics services: warehousing, ports, transportation for the fields of agriculture-forestry, mechanical engineering..



Actual operation

- Track & trace manually
- Difficulty planning the transportation of agricultural products (cattle, fruit, construction materials...) from Laos, Cambodia..
- Many paperworks need to be stored
- No real-time order tracking
- Need to manage fleet/expense information

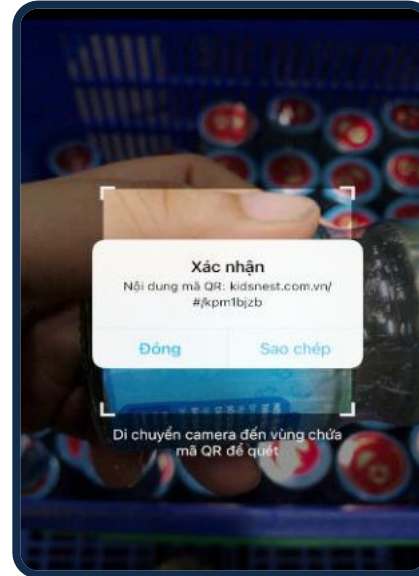
Implemented solution

- Using transportation management system STM
- Track & trace feature
- Truck planning feature
- Mobile app for driver
- POD management
- Fleet management

Thien Viet - Building a warehouse system and control QR code for the factory



The leading company in
Nests production in
Vietnam



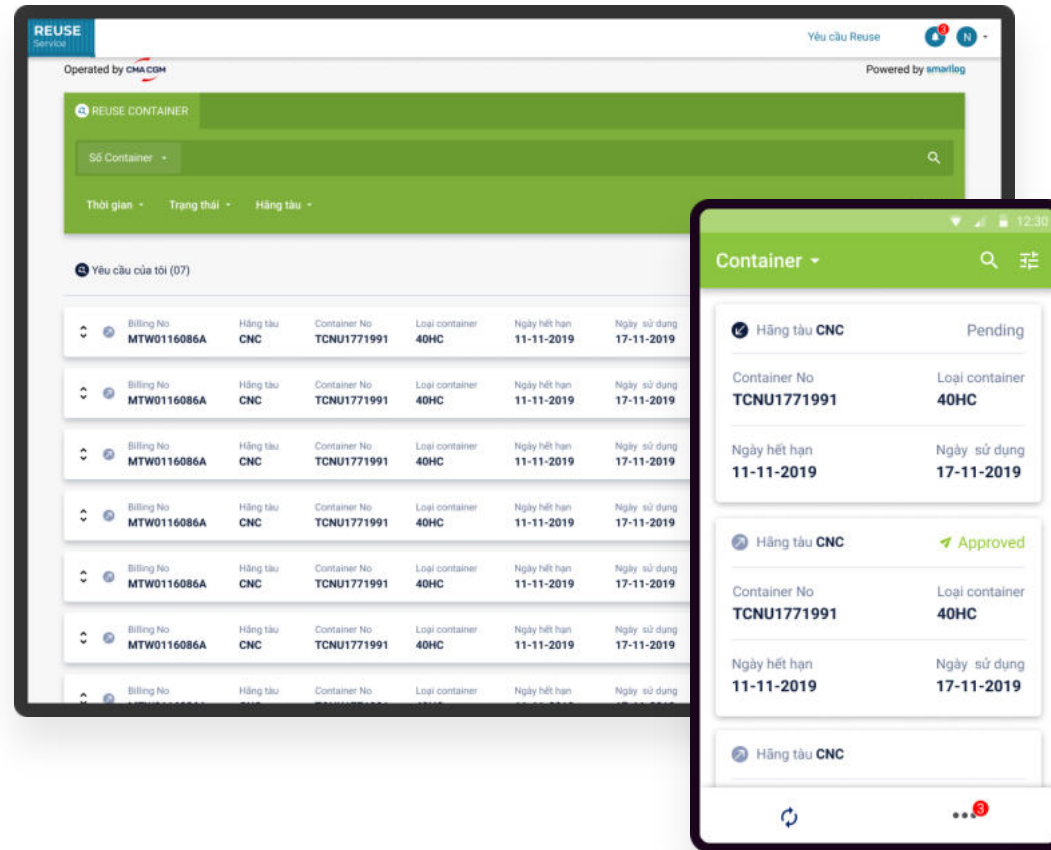
Actual operation

- Number of warehouses: 4 warehouses & 1 factory
- Commodity type: > 300
- Storage volume: ~ 15,000 carton
- Production output: ~ 90,000 vials, bags/day
- Production shift: 3 shifts (8 hours/shift)

Implemented solution

- Comprehensive Warehouse Management (SWM) software from input materials to distribution agent
- Strictly controlling each stage in production
- Paperless operation: inbound, manufacture, and outbound on the Handheld app
- Providing QR Code printing software for production and traceability
- Integration with SAP management software, QR Code printing software, Vial counter, Capacity meter

CMA - CGM strategic cooperation on STX platform



MT Re-use

Reducing empty container runs and lifting expense by linking import flows to export demand

MT Move

Sử dụng container rỗng bằng việc thay đổi vị trí trả/ nhận container
Using an empty container by changing the container return/receipt location

MT Rental

Use empty containers by providing empty container to transfer in the market

**Smartlog helps you
transform your
logistics landscape.**



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