



M2M

SOLUTIONS

WAREHOUSE MANAGEMENT SYSTEM

WMS



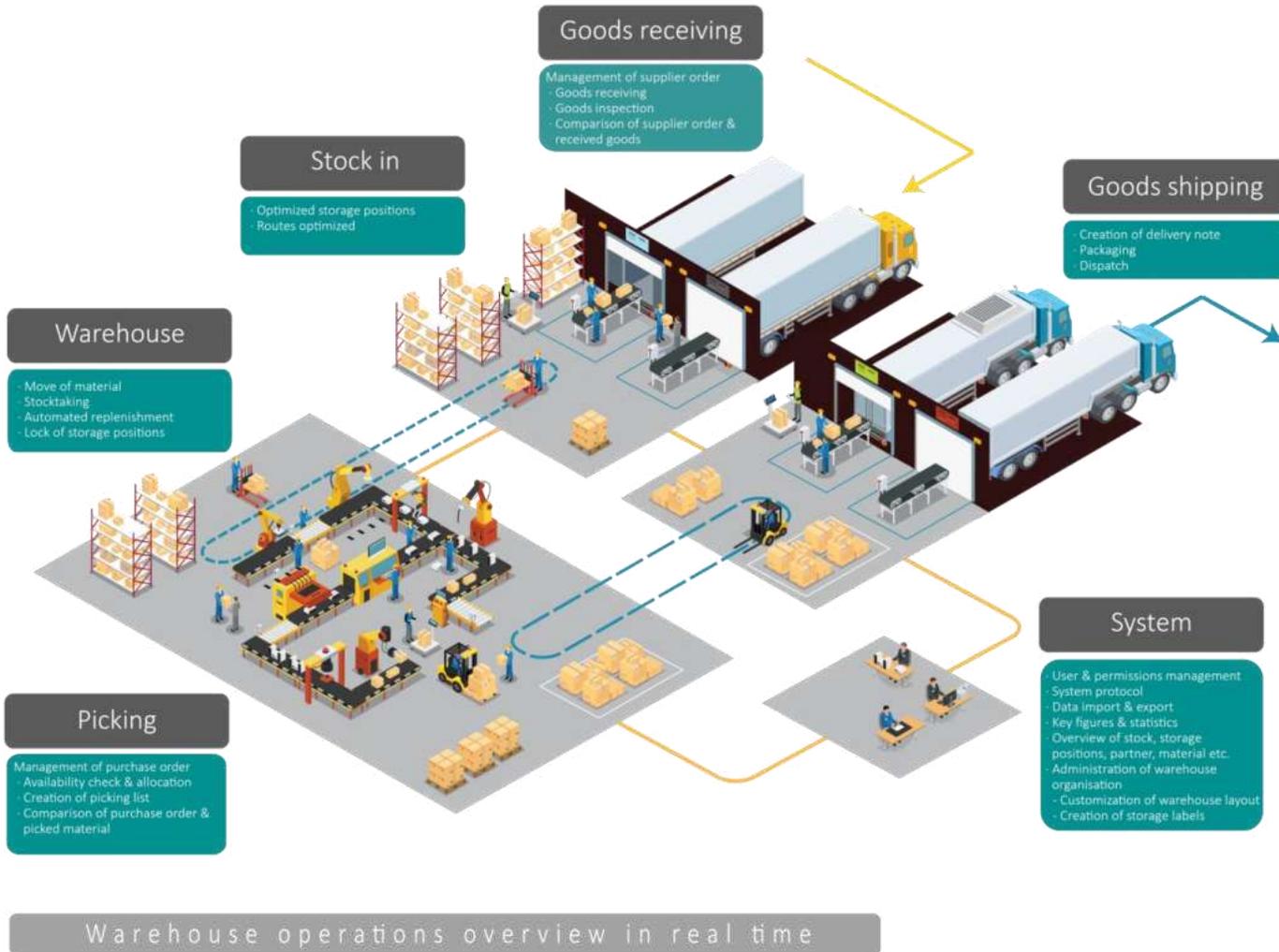
MORE THAN
JUST STOCK
RECORDS

+35% picking speed

+30% work efficiency

-20% stock inventory

-85% training time



IMPACT OF IMPLEMENTING A WMS

- Comprehensive system with the evidence of stock positions and real-time evidence of warehouse stocks
- Management of warehouse processes
- Increased efficiency in warehouse operations
- Picking increase from 20% to 40% while maintaining current resources



WORK EFFICIENTLY

- Optimization of the operators routes
- Clear navigation
- Positions of goods based on turnover
- Efficient usage of the storage position
- Handsfree picking
- KPIs based rewards
- Reduction of stocks



THE MOST COMMON PROBLEMS IN THE WAREHOUSE:

- Searching for goods in warehouse (sometimes up to 50% of the time)
- Incorrectly picked orders
- Production downtime
- Improper delivery of goods from the supplier

SOLUTIONS

- Record of all movements of goods with scanners
- Unique identification of goods (barcodes/2D codes/RFID)
- Label printing for unmarked goods from the scanner
- Easy creation of new or backup locations
- Inspection of delivered goods
- Checks and notifications of the critical quantities of goods
- Possibility of FIFO management based on the location of the goods



THE MOST COMMON PROBLEMS WITH THE WORKFORCE:

- Seasonal fluctuations and temporary work
- The need to reduce staff qualification requirements
- The need for quick training

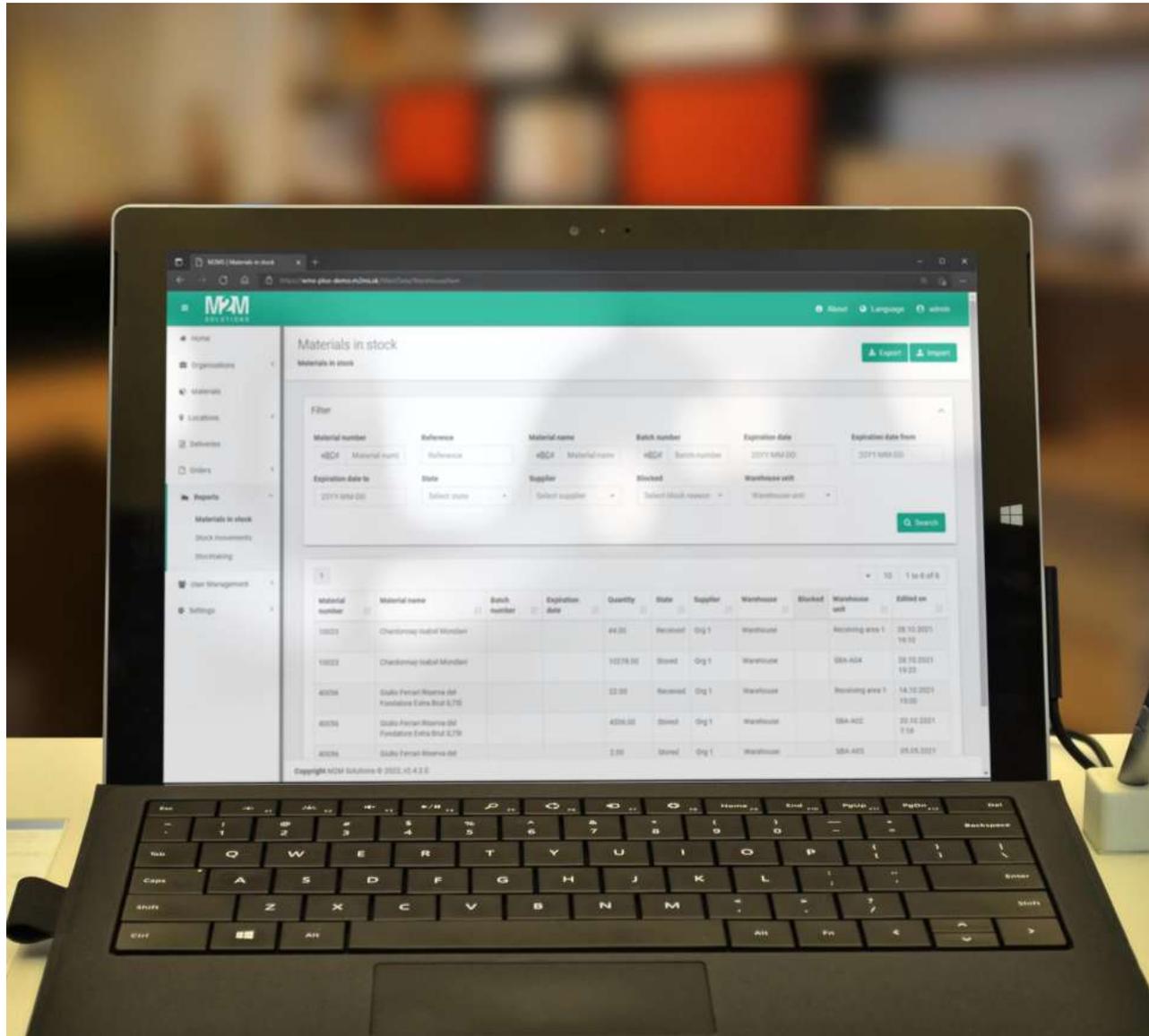
SOLUTIONS

- Clear navigation
- Correct picking check
- Multilingual interface of scanner application
- Simplification and minimization of communication
- Autonomous mobile robots
- Process standardization minimizes the need for constant thinking by employees



TRACK EVERY MOVEMENT OF GOODS

- Batch, expiration or package ID
- Traceability of the quality of suppliers
- Traceability of the quality of work
- Possibility of taking photos of delivered goods with the scanner
- Data for editing the technological process (length of storage, supplier, etc.)
- Proof of delivery / dispatch of goods (JIT)



PROCESSES THAT HELP

- FIFO, FEFO, or customized FIFO
- Transparency of the entire material flow
- Real-time overview at every point of the process
- Process standardization - less improvisation and higher quality
- Adaptation of the warehouse system to customer processes and their optimization



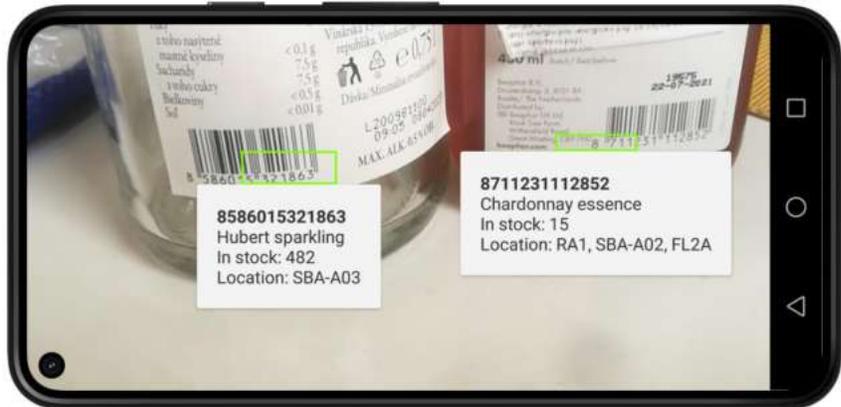
THE MOST COMMON PROBLEMS WITH THE INVENTORY

- Higher employee qualification requirements
- Identification or calculation errors
- Errors in data transfer between paper sheets or to external applications (SAP)
- Insufficient time to check discrepancies - start of inventory
- Lack of information during and after the inventory process

BENEFITS OF IMPLEMENTING WMS

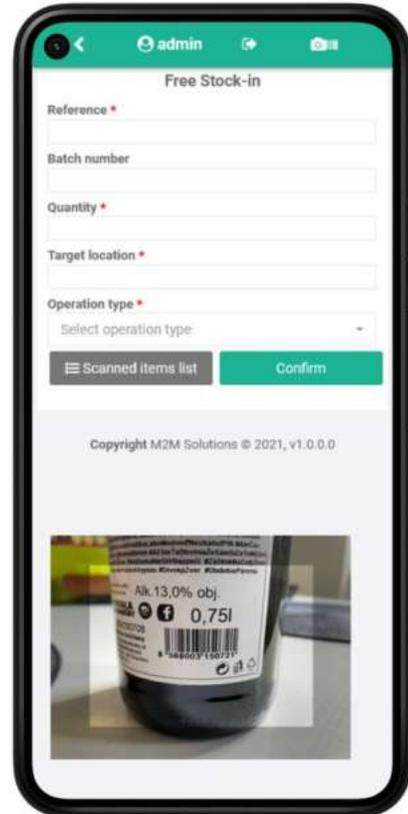
- Minimizing errors and simplifying the inventory process
- Clear recording of inventory discrepancies compared to reality
- Recording all inventory information and minimizing administrative load
- Saving time and costs
- Increasing the accuracy of inventory data, leading to better inventory planning and management
- Reducing demands on operators

MODERN APPROACHES



8586015321863
Hubert sparkling
In stock: 482
Location: SBA-A03

8711231112852
Chardonnay essence
In stock: 15
Location: RA1, SBA-A02, FL2A



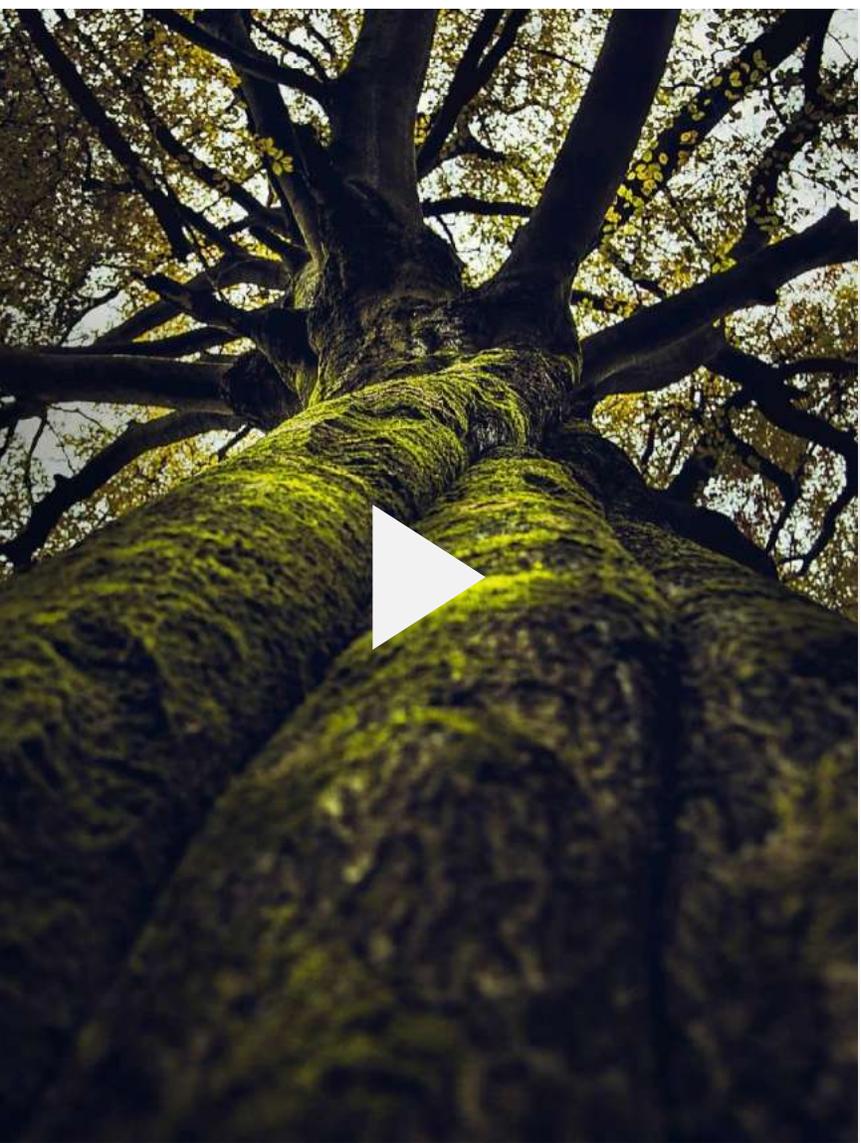
DIGITALIZE

- Easy user interface - WEB application
- Handsfree picking – glove scanner
- Possibility of usage of AMR, P2L, RFID, sensors, scales...
- Information about stock in the form of augmented reality
- Real-time overview
- Possibility of setting in the cloud



PAPERLESS INVENTORY MANAGEMENT

- Electronic document validation
- Electronic picking list
- Real-time overview of scanner activities
- Automatic restocking update when minimum quantity is reached
- Real-time recording of goods received and issue in the system



**WE CAN SAVE UP TO 90 TREES PER YEAR
CUSTOMER / 6 PICKING WORKPLACES**



2000 x A4
3 shifts / day

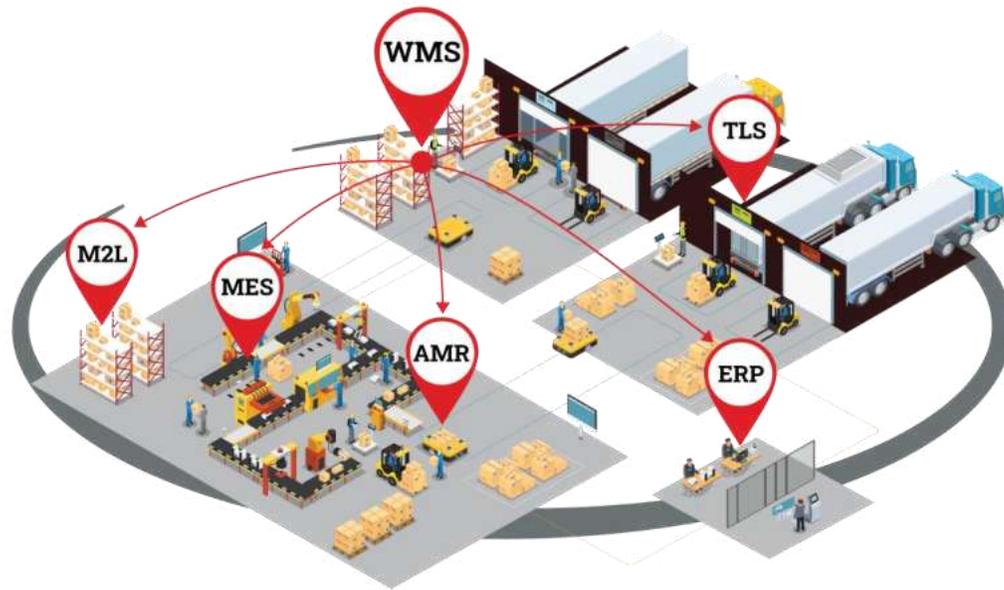


1 TREE
approx. 8333 A4



1 YEAR
6 workplaces / 90 trees

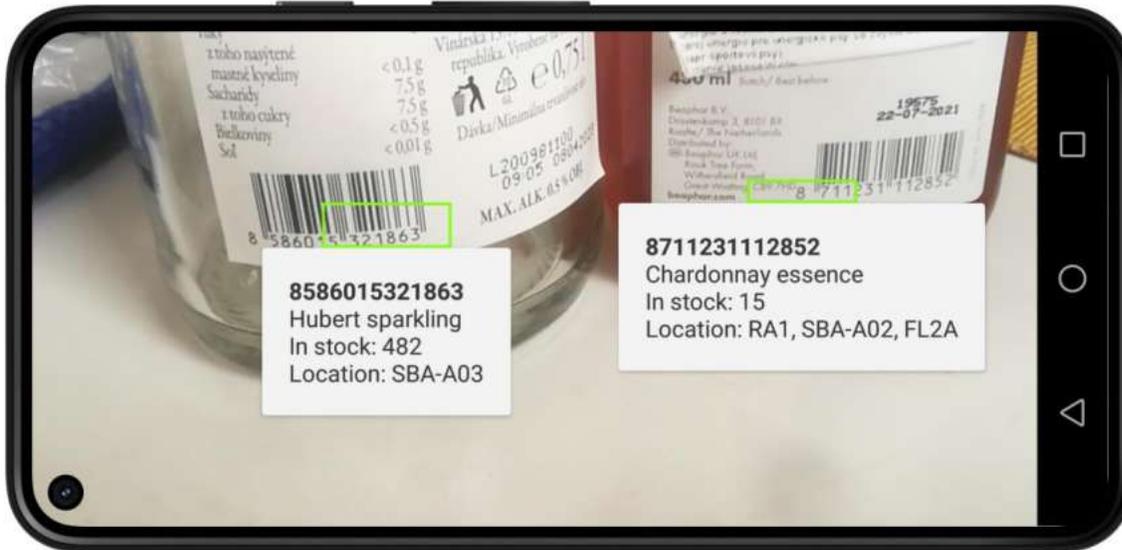
The estimated useful lifetime of one paper is a maximum of 10 minutes. Useful lifetime of the tablet is over 2 years. The average return on investment is less than one year



TAILORED CUSTOMIZATION

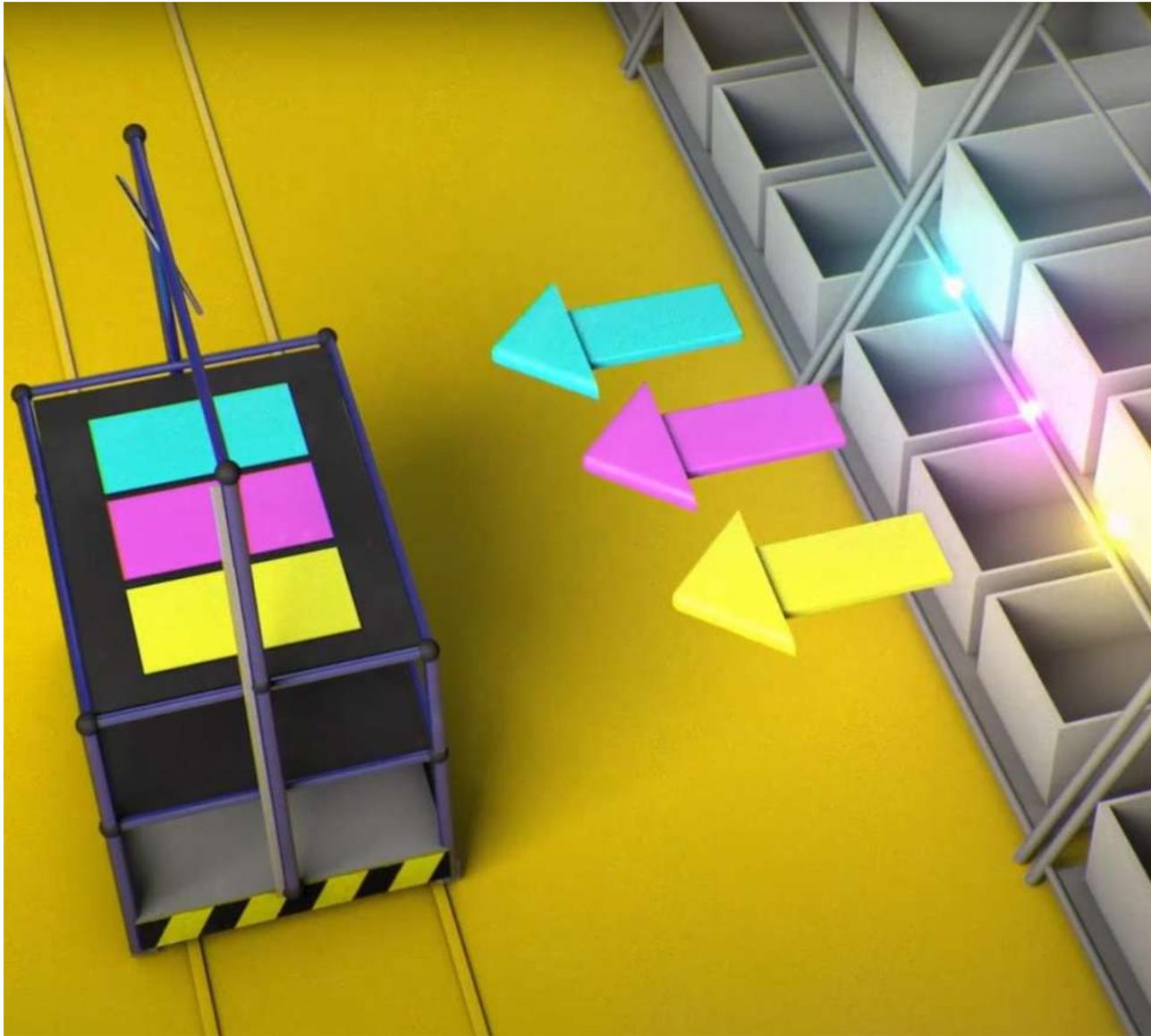
- Consulting and process optimization with experts
- Adaptation to any process
- Adding various components
- Connection of different types of sensors
- Connection to any internal or external system
- Ensuring communication with the supplier of the external solution
- Design/review of API interface between systems

INSTALLATION IN 10 DAYS



WMS PILOT

- Remote installation within 10 days
- All data import via Excel
- Use of Android phone as a scanner
- Sending configured terminals by mail
- Remote or on-site training
- SaaS system rent



MULTI-PICKING ORDER

- Single order picking
- Multi-order picking
- Singles picking



MOBILE APPLICATION FOR DELIVERY GOODS

- Evidence of material in cars
- Goods delivery tracking
- Check that all material has been delivered
- Customer's signature as confirmation



IN CASE OF INTEREST,
WE ARE HERE FOR YOU

info@m2ms.sk



M2M SOLUTIONS

Home, Organisations, Materials, Locations, Deliveries, Orders, Reports, Materials in stock, Stock movements, Stocktaking, User Management, Settings

Materials in stock

Export Import

Filter

Material number: aBCd Material numl Reference: Reference Material name: aBCd Material namr Batch number: aBCd Batch number Expiration date: 20YY-MM-DD Expiration date from: 20YY-MM-DD

Expiration date to: 20YY-MM-DD State: Select state Supplier: Select supplier Blocked: Select block reason Warehouse unit: Warehouse unit

Search

1 10 1 to 6 of 6

Material number	Material name	Batch number	Expiration date	Quantity	State	Supplier	Warehouse	Blocked	Warehouse unit	Edited on
10023	Chardonnay Isabel Mondavi			44.00	Received	Org 1	Warehouse		Receiving area 1	28.10.2021 19:10
10023	Chardonnay Isabel Mondavi			10278.00	Stored	Org 1	Warehouse		SBA-A04	28.10.2021 19:23
40056	Giulio Ferrari Riserva del Fondatore Extra Brut 0,75l			22.00	Received	Org 1	Warehouse		Receiving area 1	14.10.2021 15:00
40056	Giulio Ferrari Riserva del Fondatore Extra Brut 0,75l			4336.00	Stored	Org 1	Warehouse		SBA-A02	20.10.2021 7:18
40056	Giulio Ferrari Riserva del			2.00	Stored	Org 1	Warehouse		SBA-A03	05.05.2021

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Materials currently in stock

M2MS | Materials in stock

https://wms-plus-demo.m2ms.sk/MainData/WarehouseItem

M2M SOLUTIONS

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Stock movements

Export

Filter

Material number: aBCd Material numl Reference: Reference Material name: aBCd Material name Supplier: Select supplier Operation type: Select operation type Batch number: aBCd Batch number

Expiration date: 20YY-MM-DD Expiration date from: 20YY-MM-DD Expiration date to: 20YY-MM-DD From warehouse unit: Select from wareho... To warehouse unit: Select to warehous... Created from: Created from

Created to: Created to Created by: aBCd Created by

Search

1 2 3 4 5 ... > >> 10 1 to 10 of 62

Material number	Material name	Supplier	Operation type	Batch number	Expiration date	Quantity	From warehouse unit	To warehouse unit	Created on	Created by
70089	Taittinger Brut Réserve	Org 1	Free Stock-in [Free Stock-in Type 1]			60.00		SBA-A04	19.01.2022 17:47	admin
10023	Chardonnay Isabel Mondavi	Org 1	Picking			1.00	SBA-A04		28.10.2021 19:23	admin
10023	Chardonnay Isabel Mondavi	Org 1	Put away [Receiving]			1.00	Receiving area 1	SBA-A04	28.10.2021 19:10	admin

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Overview of stock movements

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Order prioritization

Orders

Verify orders feasibility

Filter

Customer order number: aBCd

Customer: Select customer

Status: Select status

Covered: Select covered

Can be realized: All

Search

Unallocated customer orders

Customer order number	Customer	Status	Actions
Z0100008	Org 1	New	 
Z01000020	Org 1	New	 
9999A	Org 1	New	 

Customer orders ready for picking

Set priority	Customer order number	Customer	Status	Covered	Actions
   	Z01000023	Org 1	Allocated	Yes	 
   	Z0100006	Org 1	Allocated	Yes	 
   	Z0100005	Org 1	Allocated	Yes	 
   	Z0100009	Org 1	Allocated	Yes	 
   	Z0100007	Org 1	Allocated	Yes	 
   	Z01000021	Org 1	Allocated	Yes	 

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Customer order prioritization

(order not allocated on the left – the green ones have sufficient stocks; allocated orders ready for picking on the right)

M2MS | Materials in stock

https://wms-plus-demo.m2ms.sk/MainData/WarehouseItem

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Customer orders / Customer order detail / Org 1 - 9999A

Allocate Deallocate Back

Detail Ordered material **Allocated material** Picked material

Allocated material

Material number	Material	Batch number	Expiration date	Quantity	Measure unit	Supplier	LOT	Warehouse	Location
70089	Taittinger Brut Réserve			60.00	ks	Org 1	53	Warehouse	SBA-A04
10023	Chardonnay Isabel Mondavi			2.00	ks	Org 1	25	Warehouse	SBA-A04

Missing material

Material number	Material	Batch number	Expiration date	Quantity	Missing quantity	Measure unit
70089	Taittinger Brut Réserve			100.00	40.00	ks

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Material allocation for an order

M2MS | Materials in stock

https://wms-plus-demo.m2ms.sk/MainData/WarehouseItem

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Scanner operations

Receiving process	 	<input type="text" value="* Administrators"/> <input type="text" value="* Warehouseman"/>
Receiving & Put-away process	 	<input type="text" value="* Administrators"/> <input type="text" value="* Warehouseman"/>
Put-away process	 	<input type="text" value="* Administrators"/> <input type="text" value="* Warehouseman"/>
Free stock-in process	 	<input type="text" value="* Administrators"/> <input type="text" value="* Warehouseman"/>
Move process	 	<input type="text" value="* Administrators"/>
Free stock-out process	 	<input type="text" value="* Administrators"/>
Picking process	 	<input type="text" value="* Administrators"/>
Operations on location	 	<input type="text" value="* Administrators"/> <input type="text" value="* Guest"/> <input type="text" value="* Warehouseman"/>
Stocktaking process	 	<input type="text" value="* Administrators"/> <input type="text" value="* Warehouseman"/>
Location blocking process	 	<input type="text" value="* Administrators"/> <input type="text" value="* Warehouseman"/>
Adding references to materials	 	<input type="text" value="* Administrators"/> <input type="text" value="* Warehouseman"/>
Print picking list	 	<input type="text" value="* Administrators"/> <input type="text" value="* Warehouseman"/>

Synchronize  

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