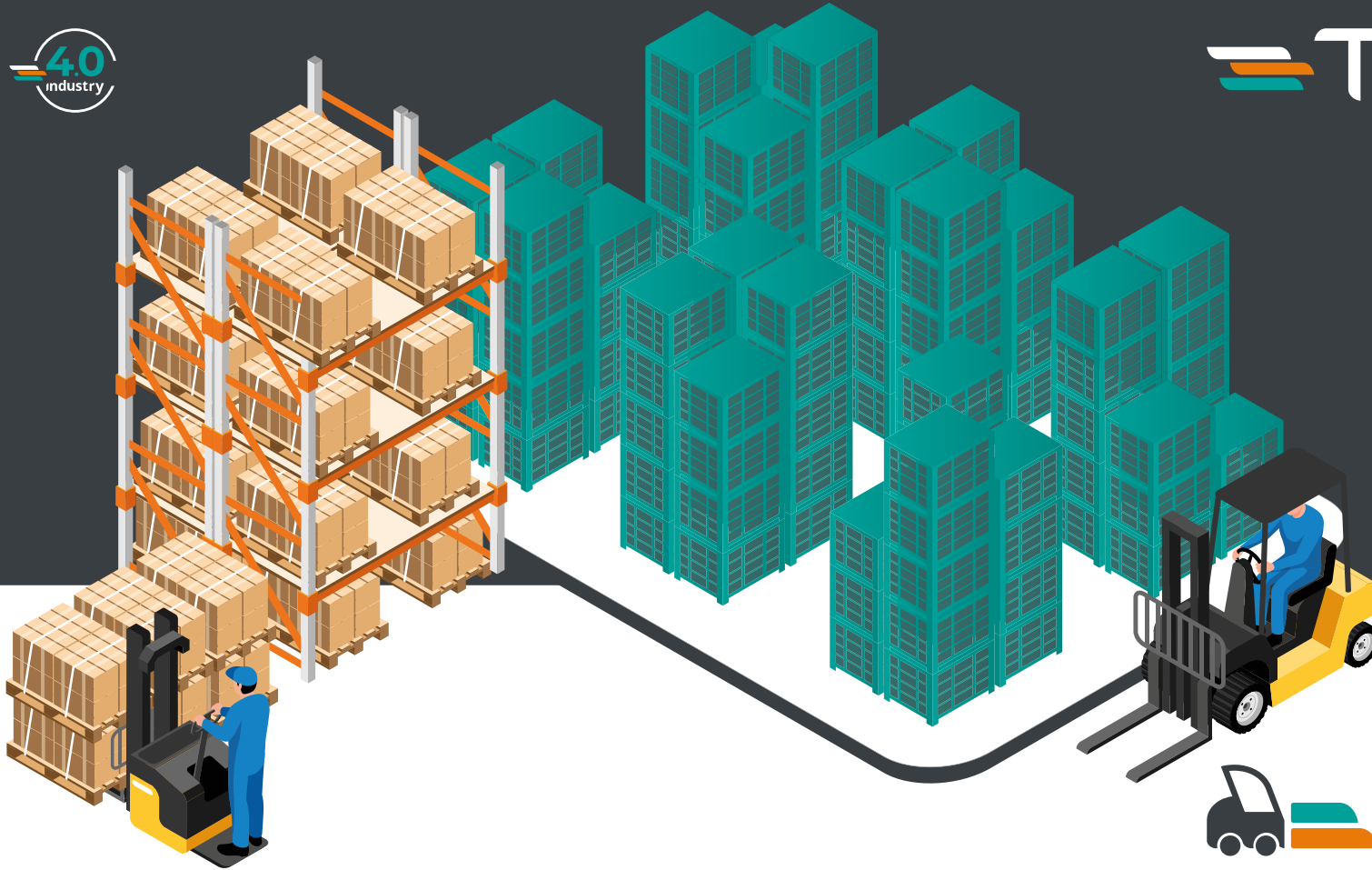




**TopControl**  
Everything in motion

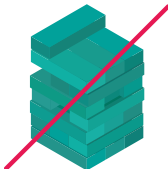


TopControl  
**storageMove**

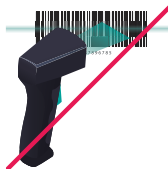
Warehouse management system of the future



No transponder  
for localisation  
necessary



No structural  
changes  
necessary



no barcode labels  
& scanning  
necessary

Logistics control system for warehouse handling

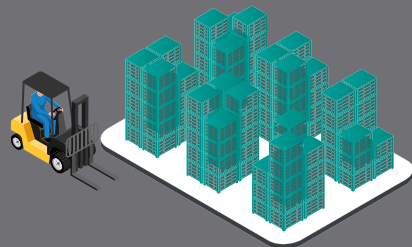
Complete 2D or 3D visualisation of the warehouse in real time

Fully automated productivity analysis and statistics



## CONTAINER

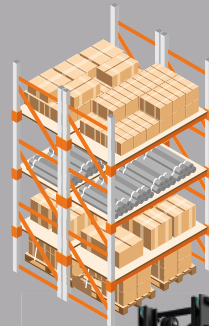
Goods management  
of different transport units:  
large boxes, pallets or  
other packaging



TopControl  
**storageMove**

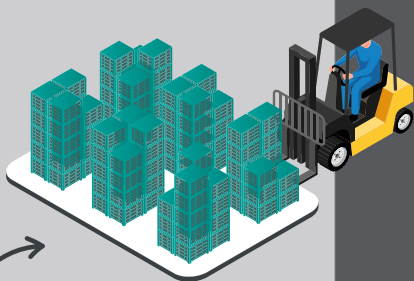
## BLOCK STORAGE

## EMBALLAGE WAREHOUSE

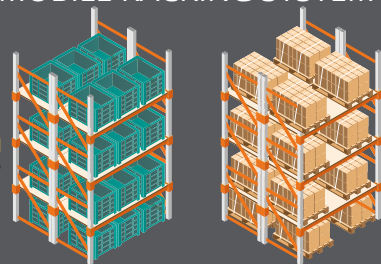


## RAW MATERIALS

unsorted boxes  
packaged goods  
CA and frozen cells



## DRIVE-IN SHELF STORAGE GRAVITY STORAGE MOBILE RACKING SYSTEM



TopControl  
**storageMove**

## CENTRALLY MANAGED

- Warehouse & Material Flow Manager
- Forklifts are assigned to missions
- Optimises and coordinates with the production line



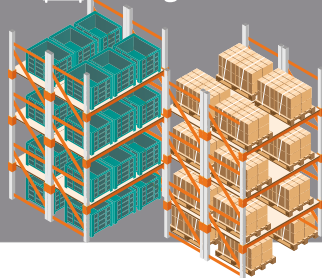
## DELIVERY

Goods receipt entry



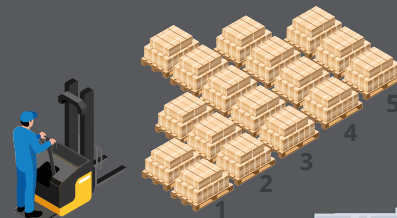
## HIGH-BAY WAREHOUSE

TopControl  
**storageCommand**



## SHIPPING STORAGE

Loading solution  
Picking



Picking with paper and pen? Goods receipt at a fixed place?

### THAT'S HISTORY!

With storageMove you get a professional overall picture of your warehouse situation in real time.

The warehouse becomes almost **TRANSPARENT WITH STORAGEMOVE.**

You can **INTUITIVELY** see where which transport unit is located, what age the goods are and which one is suitable for the current „mission“.

**STORAGE LOCATIONS, STORAGE SPACES AND WAREHOUSE MOVEMENTS** are automatically recorded and possible sources of error are eliminated.



**NO STRUCTURAL INTERVENTION** necessary  
Sensors and equipment necessary for forklift truck  
No wear - no maintenance



Various **STORAGE STRUCTURES** are supported:

- Block storage
- Drive-in Shelf storage
- Gravity storage
- Mobile racking storage
- CA cells
- Cold storage cells also with temperatures down to -20°C



Various **TRANSPORT UNITS**

- Large boxes
- Pallets
- Mixed containers
- Other packaging



Advanced **GOODS RECEIPT ENTRY**:

- Unsorted goods
- Sorted goods
- Produced goods
- Packaging

**INDUSTRIAL PC**  
for visualisation &  
navigation

**ROPE TRAIN SENSOR**  
for height determination  
**ULTRASONIC SENSOR**  
as loading sensor

**LASER SENSOR**  
for localisation of the  
truck





### GOODS RECORDING

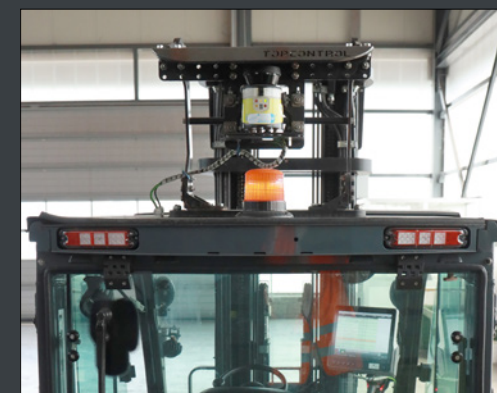
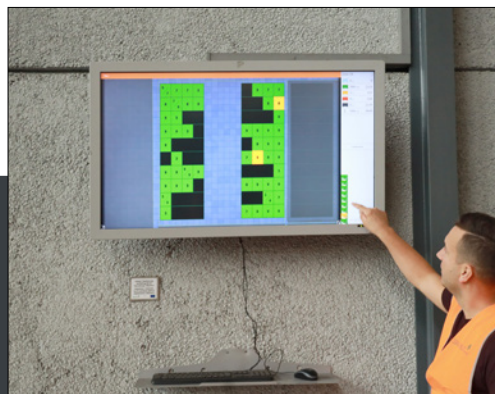
storageMove takes care of incoming goods registration, stock transfer and outgoing goods. Unit transports are triggered via missions sent to the forklifts. The entire intralogistics can be designed error-free and efficiently by seamlessly linking all goods movements and inventories. The automated, mission-based control of the forklift fleet contributes significantly to increasing productivity by **OPTIMISING RESOURCES**.

### AUTOMATIC RECOGNITION OF THE TRANSPORT UNIT

storageMove automatically recognises which transport unit is currently being moved. It is graphically displayed intuitively which box should be used for the current mission and where it should be taken to. The innovative **SOFTWARE** solution guarantees, in interaction with the **SENSOR TECHNOLOGY INSTALLED ON THE FORKLIFT**, the recording of all logistical processes and enables real-time visualisation of the warehouse.

### STOCK TRANSFER

As soon as goods in the warehouse are moved to a new storage location or bin, this goods movement is recorded in storageMove as a stock transfer. One possible stock transfer is the transport of material to the production line. When the material is removed, the material stock is reduced there and automatically posted to the production line. Thus, storageMove enables a precise overview and tracking of stock changes at individual storage locations.



## HIGHLIGHTS



Complete 2D or 3D visualisation of the warehouse in real time



Resource optimisation of crate logistics



Tailored to customer requirements



Optimisation of order management



Support of the FIFO (First In First Out) principle



Fully automated productivity analysis and statistics



Productivity increase



Maximum inventory accuracy: error-free and without gaps



Transparent display of storage locations/ storage bins & stock movements



Automatic storage bin allocation



Utilisation of your storage capacities



Efficient and professional logistics processes



Support for various transport units



Support for a wide range of storage types



Transparency about age of goods



Traceability

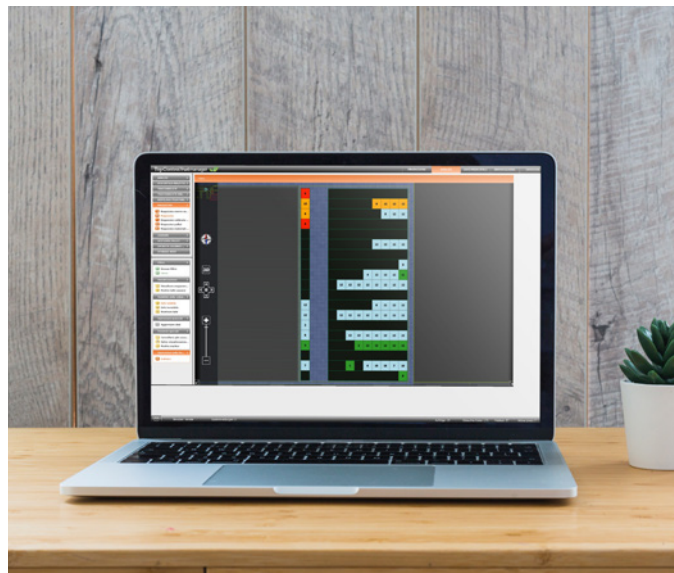


#### GRAPHICAL REPRESENTATION

The system provides inventory management with accurate positioning of each transport unit, as well as automated and mission-driven control of forklifts.

Storage Move helps to increase productivity & optimise resources.

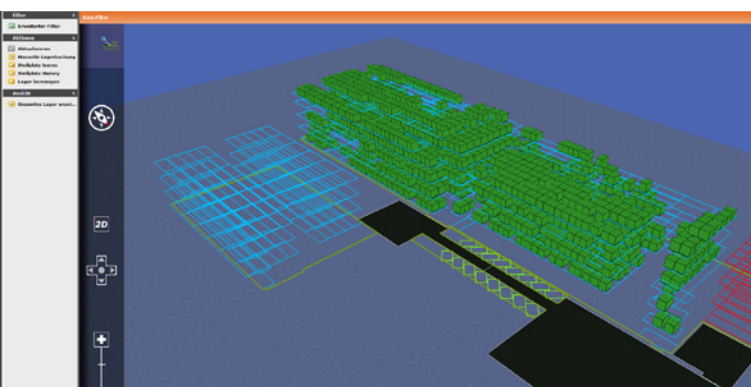
The complete real-time warehouse overview of pre-sorted goods in 2D or 3D is easily displayed via the software.



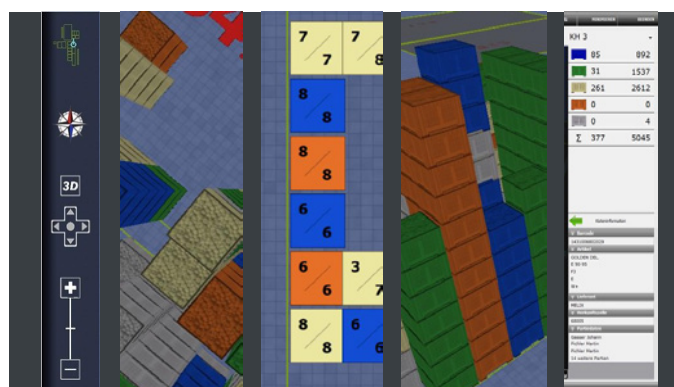
2D VISUALISATION OF THE WAREHOUSE



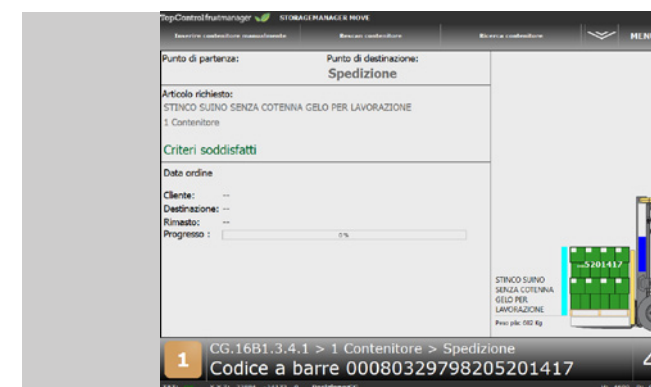
3D VISUALISATION OF THE WAREHOUSE



GENERAL VIEW OF THE WAREHOUSE



CALCULATION AND VISUALISATION OF THE AGE OF GOODS



VIEW STAMPLER PC WITH BOXES




The transports are controlled via a flexible and customisable mission logic. Missions are transport orders with a defined starting point and destination. Each mission contains the product information. Status of a mission: Not active, active or completed

#### TYPES OF MISSIONS:

- Sorting mission
- Transport to the production line
- Bulk box buying or selling
- Cell shifting

#### THE ADVANTAGES:

- Mission accomplished = goods deposited at destination
- Difference mission is automatically created by the system
- Article specifications are checked by the system when the goods are picked up

TopControl fruitmanager  **STORAGEMOVE**

Kiste manuell eingeben    Neu einscannen...    Kisten Suche    **MODUS**    **MENÜ**

Startort: KH01-A2    Zielort: **Linie 1**

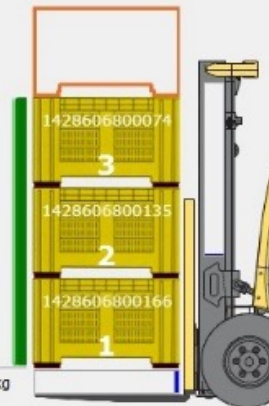
Artikel gefordert:  
RED CHIEF 75-80 E-L F0 E  
915 kg

Artikelvorgaben erfüllt


Auftragsdaten


Kunde: Fresh Fruit Company  
Bestimmungsort: Fresh Fruit Company  
Verblieben: Kisten: 35 Paletten: 12,13  
Fortschritt:  42 %

RED CHIEF 75-80 E-L F0 E -  
Stapelgewicht: 915 kg



**KH01-A2 > 3 Kisten > Linie 1** **5**  
RED CHIEF 75-80 E-L F0 E

T&T:  X,Y,Z: 11736 , 1182 , 0    Position: --    H: 101    D: 26

TopControl fruitmanager 

Löschen    Mission deaktivieren    **MODUS**    **MENÜ**

<b>0</b>	<b>Z01-C01</b>	GALA IMPERIAL 65-70 I [...] 10-70% QS	3 Kisten 900kg	<b>Linie 2</b>
<b>1</b>	<b>GREEFA-Stapel 1</b>	GALA IMPERIAL 60-65 I 10-100% QS	3 Kisten 900kg	<b>Z01-C11</b>
<b>2</b>	<b>Z01-C10</b>	GALA IMPERIAL 65-70 I [...] 70-100%	3 Kisten 894kg	<b>Linie 3</b>
<b>3</b>	<b>Z01-C01</b>	GALA IMPERIAL 65-70 I [...] 10-70% QS	3 Kisten 900kg	<b>Linie 2</b>

Start  
GREEFA-Stapel 1  
Ziel  
**Z01-C11**  
Artikel Gefordert  
**GALA IMPERIAL 60-65 I 10-100% QS**  
Anzahl Kisten  
**3 Kisten 900 kg**

**GREEFA-Stapel 1 > 3 Kisten > Z01-C11** **3**  
GALA IMPERIAL 60-65 I 10-100% QS

T&T:  **Nicht Verbunden**



**SSC 9200**  
Levelling scale



**RSC 9200**  
Removal scale



**IWS 3000**  
Smart weighing table



**MHP 1000**  
Combination scale



**MHP 1200**  
Combination scale

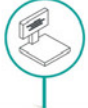


**MHP 1300**  
Combination scale



**MHP 2000**  
Combination scale

intelligent  
weighing  
solutions



**MHP 2100**  
Combination scale



**MHP 3000**  
Combination scale



**MHP 5200**  
Automatic multibelt  
scale



**CWT 1000**  
Automatic  
checkweigher



**CWT 500**  
Automatic checkweigher  
for transport packaging

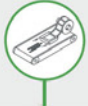


**ST A500B**  
Automatic checkweigher  
for transport packaging



**ST EPW310**  
Dynamic scale for  
bags

intelligent  
labelling  
solutions



**GLM-B-S**  
High-performance  
labeller



**ILS 3000**  
Labeller for transport  
packaging



**GLT maxx 9000**  
Labeller for transport  
packaging



**GPH maxx 7-8-9000**  
Pallet labeller



**ILS 3800**  
Pallet labeller

intelligent  
closing  
solutions



**ICS 1000**  
Automatic gluing machine  
for carton packs

intelligent  
packaging  
solutions



**IPS:** Line with 4 levels and front weighing tables  
and MHP 3000 semi-automatic combination scale



**IPS:** Line with 4 levels and front weighing tables,  
automatic checkweigher and labeller



**IPS small:** Line with 2 levels and front weighing  
tables and automatic checkweigher

smart  
software  
solutions

