

06&07  
Ιουλίου  
2022

# Trade Logistics: Oinofyta Logistics Center

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III



ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES CUSTOMER  
INSTITUTE

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

PLANNING

FOURLIS Group provides quality consumer durable goods and its commercial activity is expanding in Greece, Cyprus, Bulgaria, Romania and Turkey through the following brands:



Trade Logistics is an affiliate company of FOURLIS Group and was established in 2007



- April 2008: Providing logistics services to all IKEA stores in Greece, Cyprus and Bulgaria
- August 2014: Begin serving e-commerce & Pick-Up-Points business of IKEA in Greece



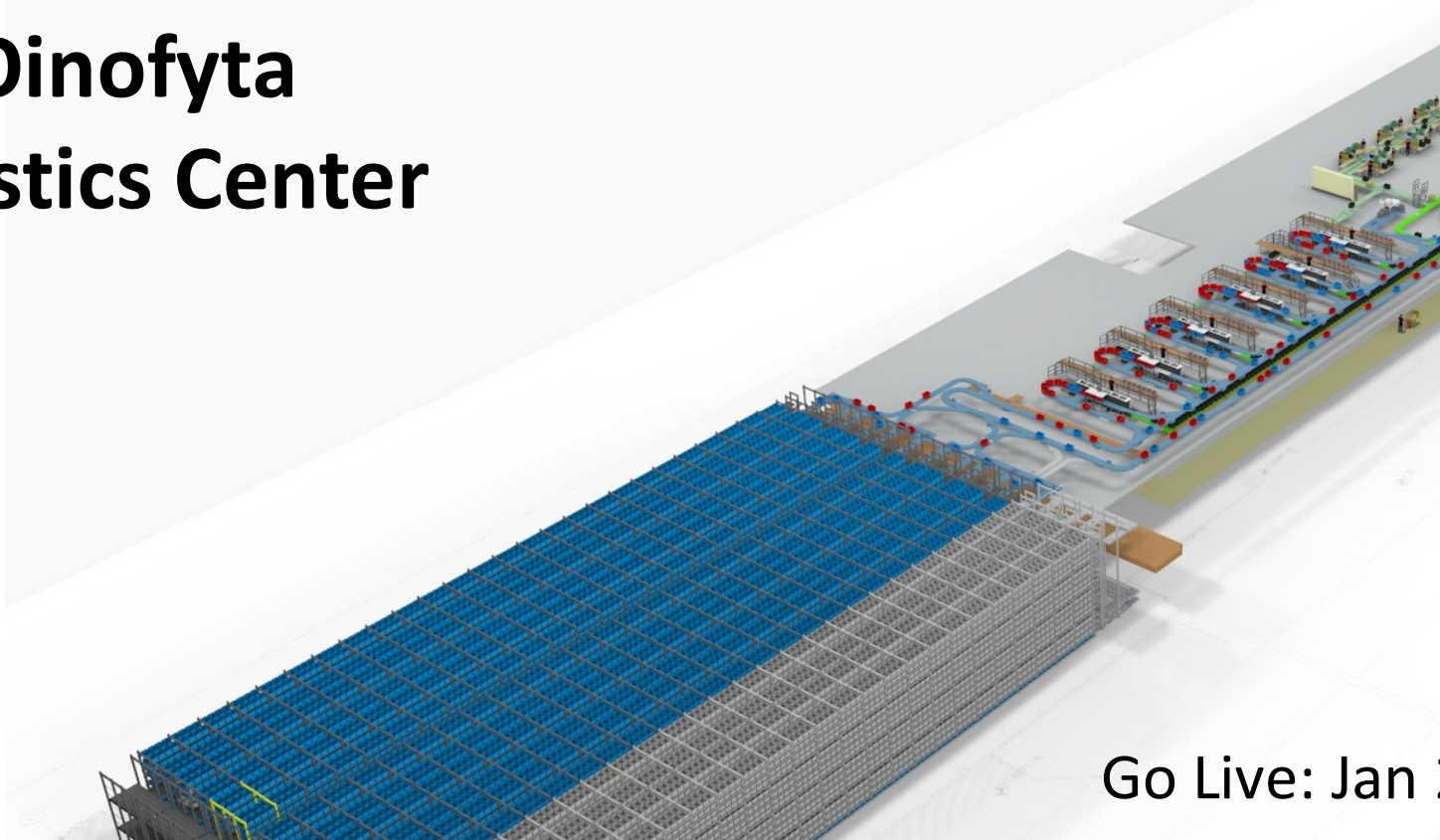
- June 2015: Centralizing Greek & Romanian warehouses, and start replenishing Intersport stores in Greece, Romania, Bulgaria, Cyprus & central w/h in Turkey. Also serve all The Athlete's Foot stores in Greece and Turkey
- January 2016: Begin serving e-commerce of Intersport in Greece, Cyprus (Dec 2018), Bulgaria (2019) & Romania (2020)



06&07  
Ιουλίου  
2022

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III

# Oinofyta Logistics Center



Go Live: Jan 2022

ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES CUSTOMER  
INSTITUTE

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

PLANNING

06&07  
Ιουλίου  
2022

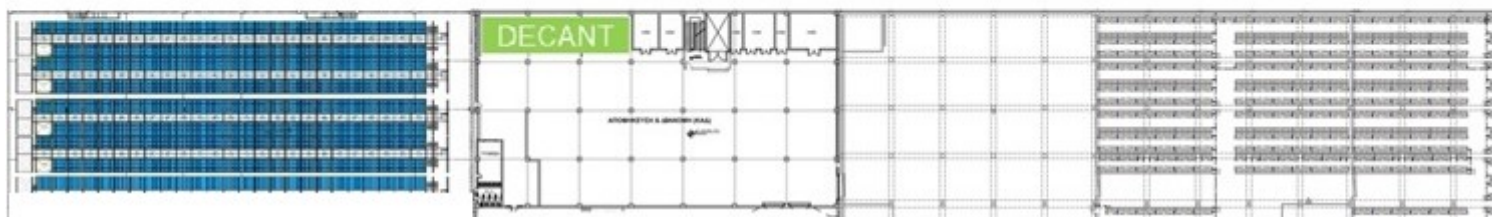
# Building Layout

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III

MEZZ 1 FLOOR



GROUND FLOOR



ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES CUSTOMER  
INSTITUTE

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

PLANNING



06&07  
Ιουλίου  
2022

# Manual Storage Capacity

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III



## Ground floor:

- 2.000 pallet locations + 12.800 carton locations

## First floor:

- 56.000 carton locations

ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES INSTITUTE  
CUSTOMER

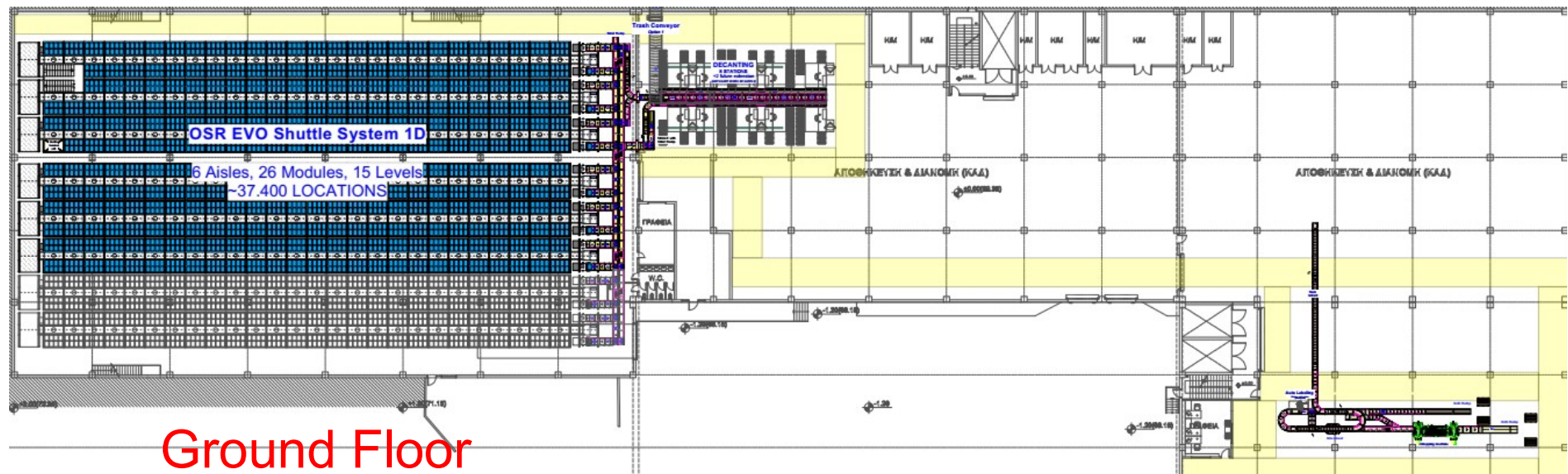
ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

PLANNING

06&07  
Ιουλίου  
2022

# Automation Layout

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III



ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES CUSTOMER  
INSTITUTE

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

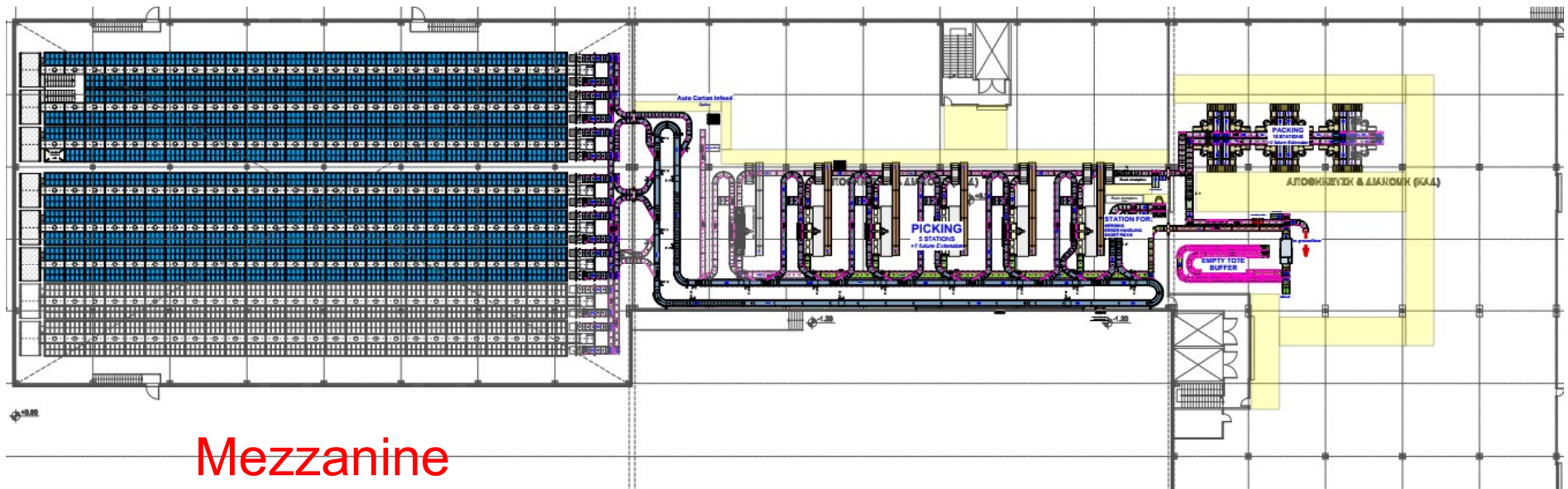
PLANNING



06&07  
Ιουλίου  
2022

# Automation Layout

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III



Mezzanine

ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES CUSTOMER  
INSTITUTE

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

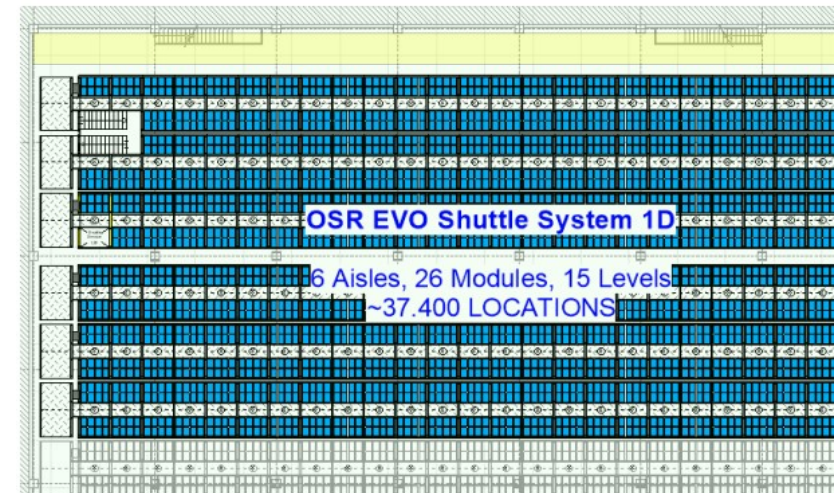
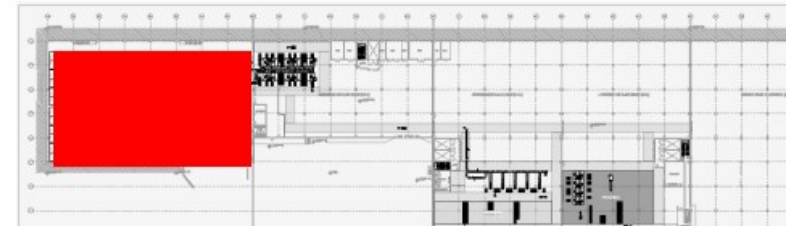
PLANNING

- Automated racking system (OSR) of 37,000 box locations that operates with 12 high speed lift platforms and 90 automated shuttles
- 5 Goods-to-Person stations with pick-to-light operation for B2B and B2C order picking
- 10 packing stations for B2C orders
- 1,500m conveying system for transporting boxes between OSR, picking, packing & dispatch areas

## OSR

- 6 Aisles
- 90 shuttles
- 35.500 net locations
- 60% large totes, 40% small totes

GROUND FLOOR

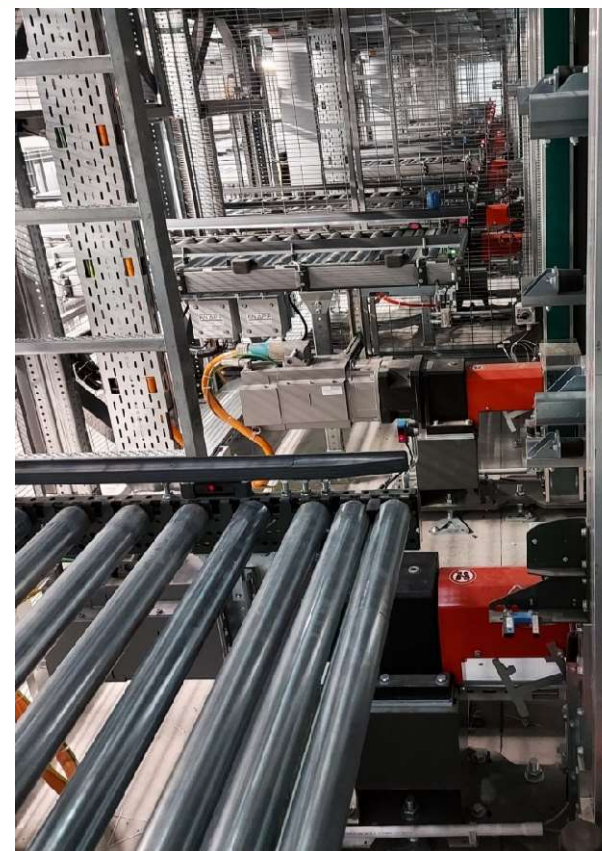
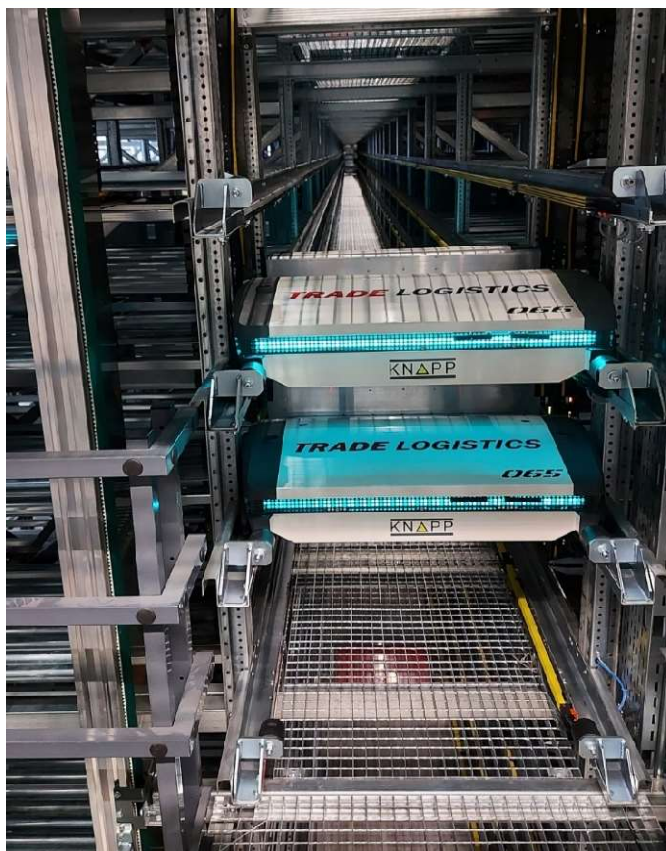




06&07  
Ιουλίου  
2022

## Automation Shuttle & Lift Area

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III



ΔΙΟΡΓΑΝΩΣΗ

 **SUPPLY CHAIN  
SALES  
INSTITUTE**

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

**PLANNING**

06&07  
Ιουλίου  
2022

## Automation Goods-IN Area

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III



**8 Goods-IN stations**  
in Ground Floor

ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES INSTITUTE  
CUSTOMER

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

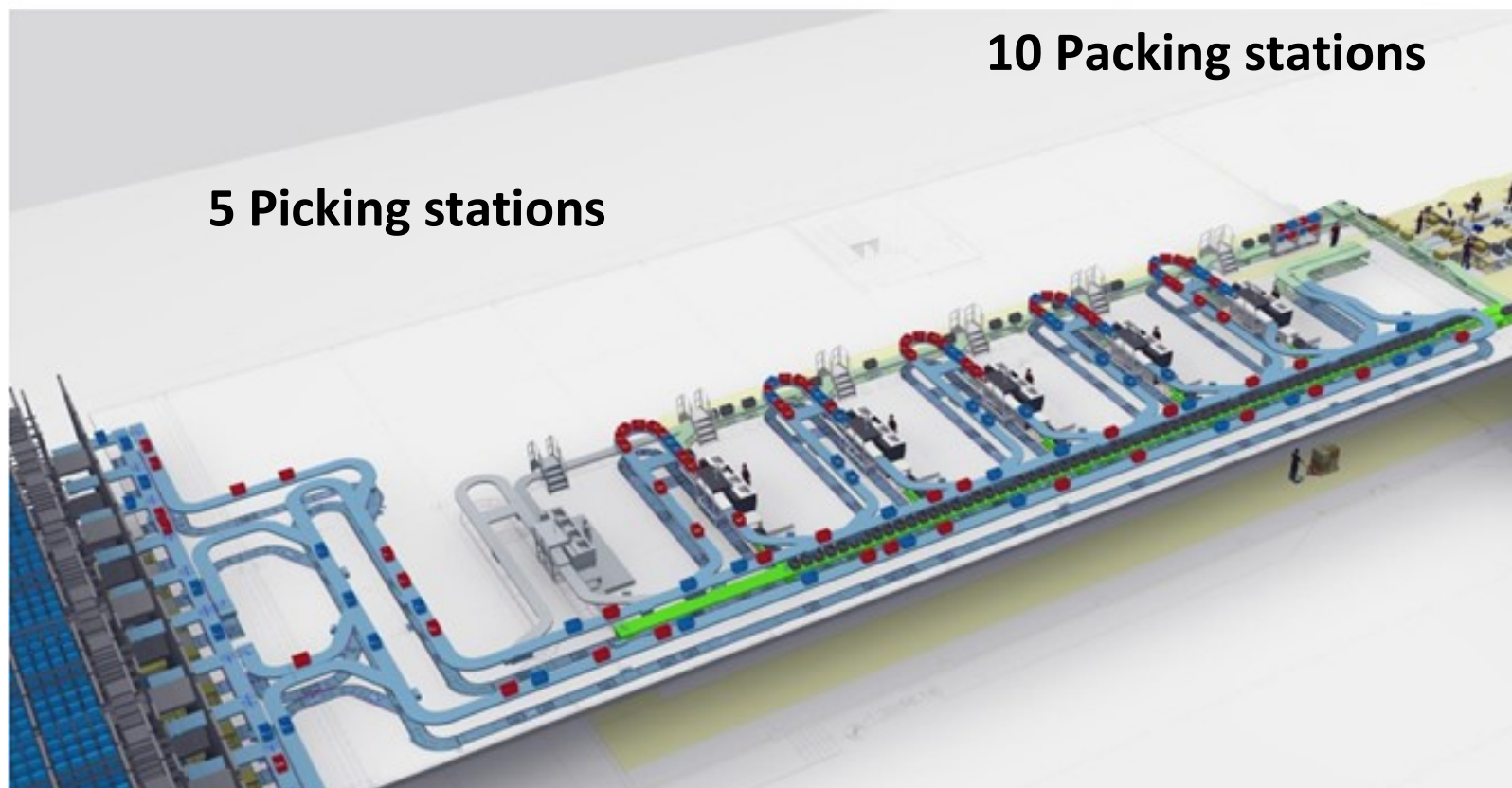
PLAN|N|ING|



06&07  
Ιουλίου  
2022

# Automation Mezzanine Overview

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III



5 Picking stations

10 Packing stations

ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES CUSTOMER  
INSTITUTE

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

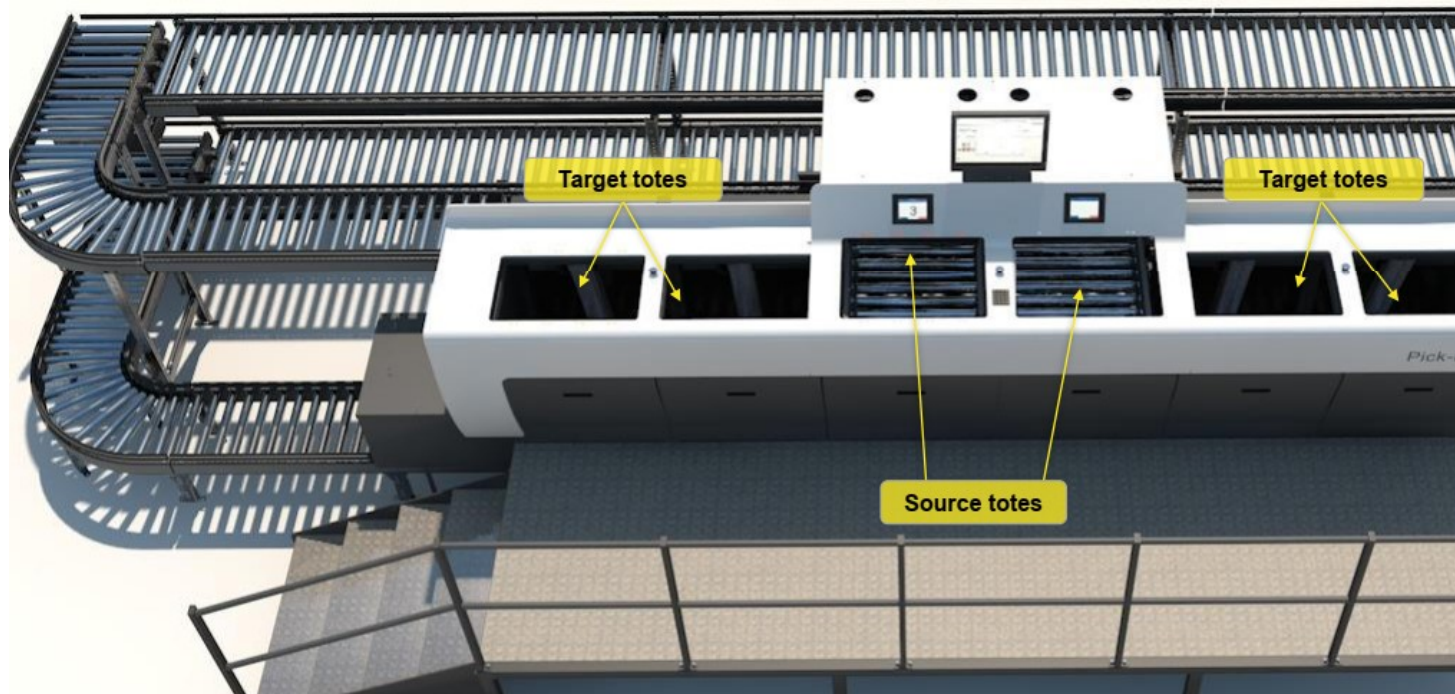
PLANNING



## 5 Picking stations

Common for B2B & B2C

Picking capacity = 580 pcs/hr/station  
(2.900 pcs/hr or 40.600 pcs/day in 2 shifts)



06&07  
Ιουλίου  
2022

## Pick Stations Main Sorting Loop

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III



ΔΙΟΡΓΑΝΩΣΗ

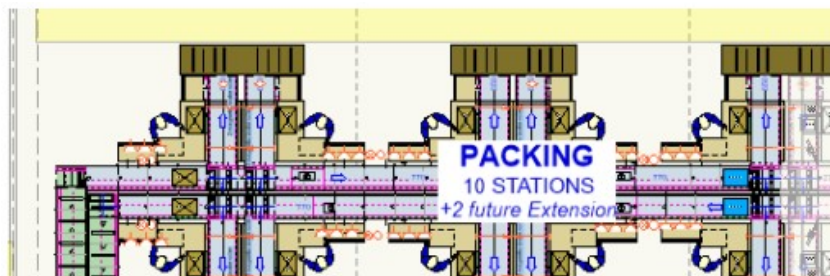
SUPPLY CHAIN  
SALES CUSTOMER  
INSTITUTE

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

PLANNING



## 10 Packing stations

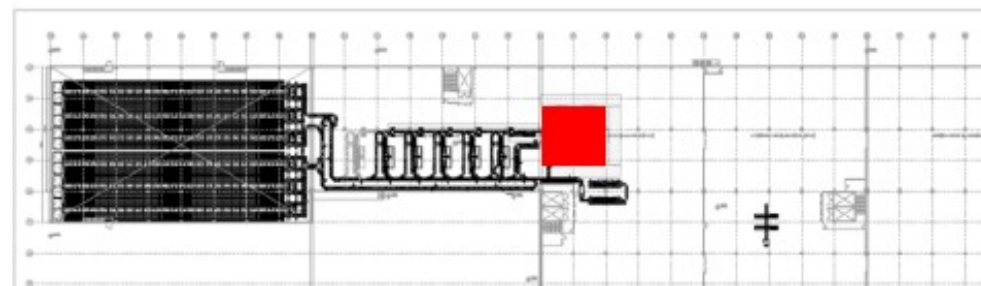


Packing capacity = 40 cartons/hr/station  
(400 cartons/hr or 5.600 cartons/day in 2 shifts)

## Tote Smart Inspector



## MEZZANINE

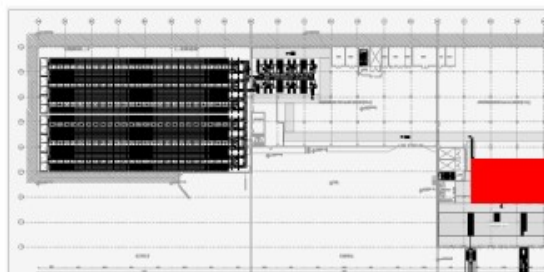


## Empty Tote Buffer





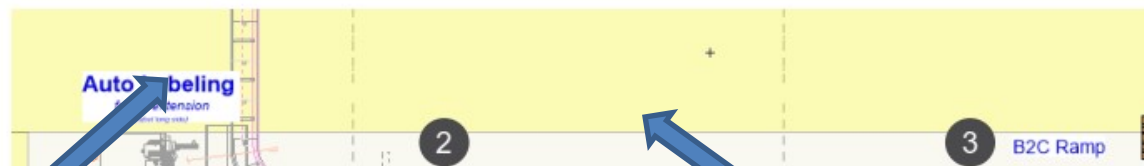
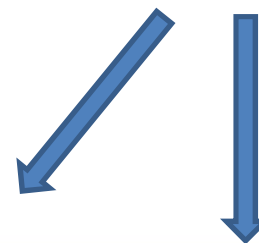
GROUND FLOOR



CROSS AND LENGTHWISE [4]

DS THESE LOAD UNITS WILL BE  
ON A DISPATCH RAMP [5]

**Automatic separation of  
B2B & B2C cartons**



**Automatic box lid closing**

**Automatic box strapping**

- System Go-Live: end of January 2022
- More than 2.5 mio pieces picked & shipped up to end of June through the new system for store replenishment and e-shop
- Warehouse relocation took place within 3 days and without stopping stores replenishment
- New system productivity is **+63%** vs. old
- Picking performance: max AVG at Schimatari was 330pcs/hr, and now is 540pcs/hr at Oinofyta

06&07  
Ιουλίου  
2022

**TECHNOLOGY FORUM**  
in supply chain  
Mega Trends & Logistics 4.0 III

# Thank you!

**FOURLIS**  
GROUP OF COMPANIES

**TRADE LOGISTICS**

ΔΙΟΡΓΑΝΩΣΗ

SUPPLY CHAIN  
SALES CUSTOMER  
INSTITUTE

ΕΠΙΣΤΗΜΟΝΙΚΗ  
ΥΠΟΣΤΗΡΙΞΗ

PLANNING