

Value chain innovations



Vertical warehouse automation

Lower costs, higher service and ready for e-commerce activities

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vanas engineering

your storage solution is our business

Agenda



- Who is Sunny Europe?
- Old situation
- Reasons to change
- Chosen solutions
- Statistical information
- The future



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24-3-2017

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Sunny Europe

- Founded in 1982 by 2 Greek brothers, selling watches to seamen in the port of Antwerp
- In 2017
 - 150 employees in 3 countries
 - 16,000 products

Sunny Europe - Brands

- Duty/Tax Free Sales



- Maritime Travelers

- Diplomats



THE DIPLOMATIC HOUSE®
brand of Sunny Europe

- Luxury products

- Local Market



Sunny Europe – Work area



- Office + Showroom + Warehouse:
 - Antwerp
- Sales Offices
 - Spijkenisse (NL)
 - Hamburg (DE)

Sunny Europe - Products

- Luxury
 - Watches, Jewellery, Perfumes, Sunglasses
- Alcohol & Tobacco
- General
 - Clothes, Tools, Household, Toys
- Electronics
 - Laptops, Mobile Devices, Vision, Sound



Sunny Europe - Future

■ Expanding Maritime Business

- Mediterranean Sea
- Baltics, Nordics, UK

■ Oyaya Concept Store

- Antwerp Centre



Sunny Europe – Warehouse project

■ Reasons to change (2015)

- Growth of business
- Growth of amount of products (floorspace)
- Storage of expensive goods
- Level of service
- Decrease error level
- Decrease operational costs

The warehouse before 2015

- Orderpicking based on paper and pen
 - Picking speed: 40 lines per hour
- All orders of a vessel are picked and packed together
- Checking of the total picking was time consuming (20-30 minutes per vessel)
- Space was becoming too short
- Storage of goods in racks is dust sensitive

The warehouse before 2015



Targets for future warehouse



- 50 % more storage capacity.
 - Preferabel in the same building.

- Offering a better service to customers:
 - Package per order (not per ship).
 - Max. delay of 2h after reception of the order.
 - Limit the amount of mistakes.

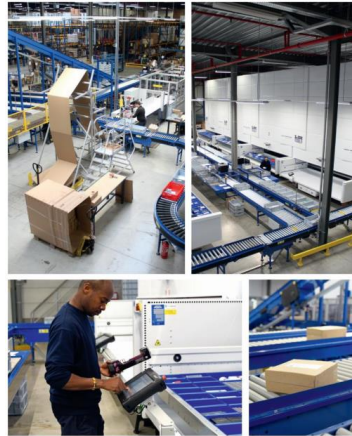
Targets for future warehouse



- Lowering the operational costs (FTE's):
- A scalable solution which can integrate further expansion faster.
- One storage system for all type of goods
 - Jewellery, Bottles, Tools
- 1 new WMS-system
- Real-time communication between WMS and ERP.

Chosen Solutions

- Modula Lifts
- Conveyor System
- Neopost CVP-500 Packaging machine
- Gigasoft WMS Software



Modula Lifts

- 8 Modula Lifts
 - Double external bay.
 - Laserpointer
 - 4 Pickstations each with:
 - 2 Modula Lifts with double external bay
 - 5 Drop-To-Lights



Why 8 Modula Lifts ?



- More than 50% of space saving.
- Flexible in storing different sizes of goods.
- Double external tray system delivers a high performance.
- At peak the installation can easily be used by 4 persons up to 800 orderlines / h.
- Laserpointer indicates exact location.
- Fast expansion up to 32 machines is possible.

Why 8 Modula Lifts ?



- The risk of failure is low with 8 machines and a good location management.
- Budget friendly solution.
- Products will stay stored without dirt.
- Short integration time. After 5 months everything (incl. software and conveyors) was operational.
- In- and outbound can be combined with clear indications on the lifts and pickstations.

Integrated WMS System

- Gigasoft WMS
 - Lifts & Pallet racks in one system
 - Orderpicking in pallet racks with RF Terminal
 - Supports FIFO/FEFO, location control
 - Direct Interface with ERP System
 - In co-operating with IT department of Sunny Europe and Vanas
 - Integration via textfile interface
 - ERP > Gigasoft: New Articles, Receipts, Orders
 - Gigasoft > ERP: Picking/Receipt confirmation, Article Information

Conveyer system

- Internal transport:
 - 270 m of conveyor
 - 6 sorters
 - 1 spiralconveyor



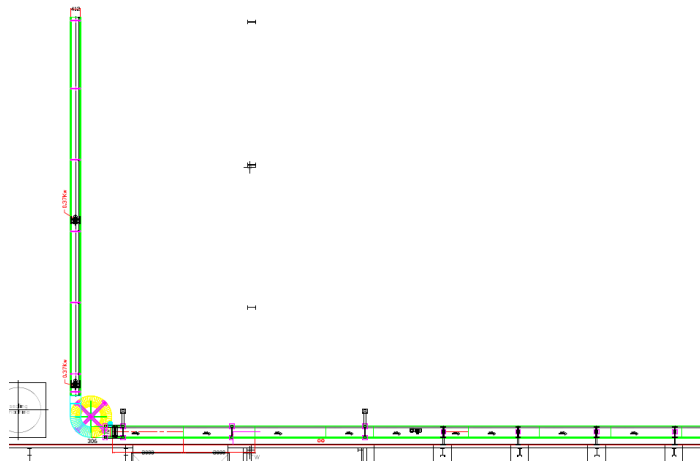
CVP-500 Packaging machine

- Machine creates a box “around” the products
 - Saving time
 - Saving carton
 - Customer specific label
 - Information about dimensions and weight



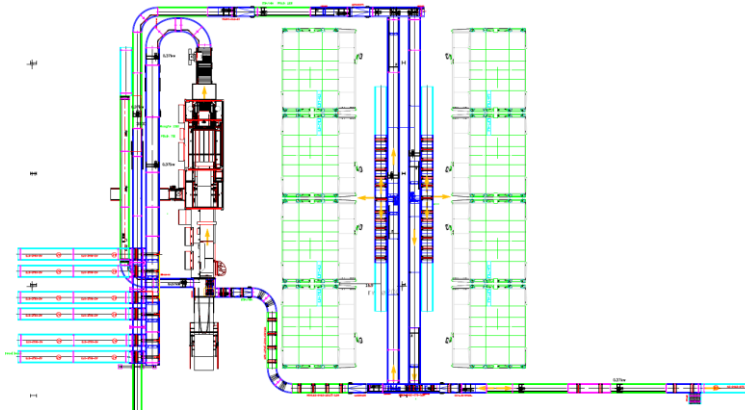
Our choice 20/01/2015

- Inbound



Our choice 20/01/2015

■ Outbound



Results 30/6/2015

Subject	Before	After
Space	Floor of 550 m ² .	Floor of 215 m ² . Reduction of 60%.

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Packing	Per ship. (20-30 min per vessel) Not customer friendly.	Per order. (10 min per vessel) No misunderstanding.

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Operational Costs	20 (calculated back to single order picking and shipment)	13

The result in 2016

- Film Sunny

- <https://vimeo.com/159924748>

Plan for 6/2017

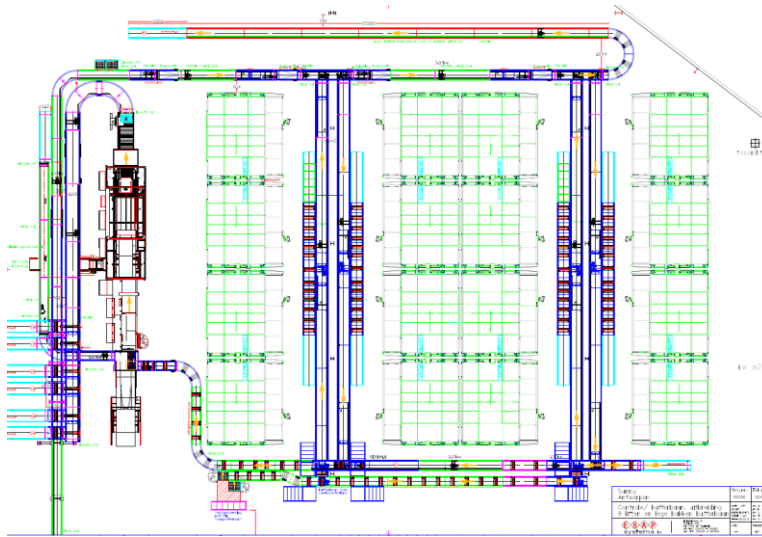
- Fase 2 is planned to realize in June 2017.

- Expanding from 8 to 16 lifts
 - Optimizing Checkers Position
 - Empty bin conveyer

- Why?:

- Positive evaluation of fase 1.
 - Realizing expected growth.
 - A lot of products are still waiting to put inside the lift, but the current 8 are full
 - Growth of SKU's from 15.000 to 18.000

Plan for 6/2017



In cooperation with



Thanks for your attention



- Any questions?

