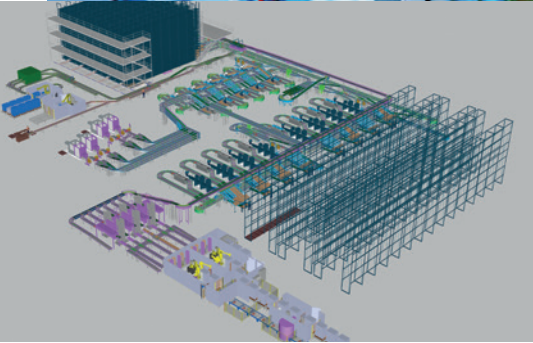


# COLD CHAIN LOGISTICS SOLUTIONS



# THE SPECIFIC CHALLENGES OF THE COLD CHAIN

**SAVOYE DESIGNS AND INTEGRATES LOGISTICS SOLUTIONS FOR PRODUCTION AND DISTRIBUTION WAREHOUSES**



## THE COMPREHENSIVE, MODULAR AND SCALABLE SAVOYE OFFER!

The specific, proven and ingenious response to automation problems related to storage, order preparation (split-case, full-case and pallet), packing, sorting and shipping, software (OMS, WMS, WCS, TMS, EDI).

### REQUIREMENTS

#### Flexibility: increased pressure of deadlines

- More and more significant split-case flows
- Multi-flow consolidation
- Preparation by layer, 1/2 pallet, pallet, retail
- Unpredictability of the success of new product launches
- Proliferation of references
- For a better service rate, operations in short time period
- Last-minute customisation

#### Quality: towards 0 error, cold chain respect

- Product protection at dispatch
- Traceability imposed on the batch number and expiry date
- Traceability on all phases of the process

#### Organisation: product security, cold chain respect

- Production scheduled with precision: increased number of batches
- Delivery right on time
- Improved operator working conditions by reducing human intervention in cold and ultra-cold environments

#### Warehouse management: product location

- Stock density
- At any time, the reference or the product should be located

#### Cost: pressure concerning margins

- Reduction of transport costs
- Energy efficiency

## LOGISTICS CHALLENGES AND SOLUTIONS

### Reception

- Box and pallet identification and labeling
- Quality control
- Reduced truck unloading times

### Mass storage

- Zoning based on temperatures: cold, fresh, frozen
- Storage solutions based on flows: mobile or fixed shelving, pallet rack or accumulation

### Optimized order preparation

- Preparation of pallets, complete packages, retail packages: pallet conveyors, automated shuttle systems for light and heavy loads
- Quality control
- Validation of order Preparation and stock updating
- Printing of Preparation documents
- Box personalisation: stamping, repacking

### Real time traceability of the products and conditioning units

- RF mobile terminals with barcode scanning, vocal or multi-modal solutions, RFID

### Shipping packing

- Forming, wedging and closing machines

### Dispatch

- Reduced truck loading times: order buffer Storage + TMS transport management tool
- Automated palletisation of boxes and Labelling
- Consolidation of dispatch flows

# CUSTOMISED AND SCALABLE GLOBAL LOGISTICS SOLUTIONS

## FOR COLD CHAIN

**FOR ALL PLAYERS  
IN THE SECTOR**  
FRUITS, VEGETABLES,  
MEAT PRODUCTS, FISH...

### PRODUCERS

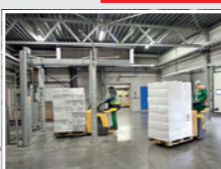
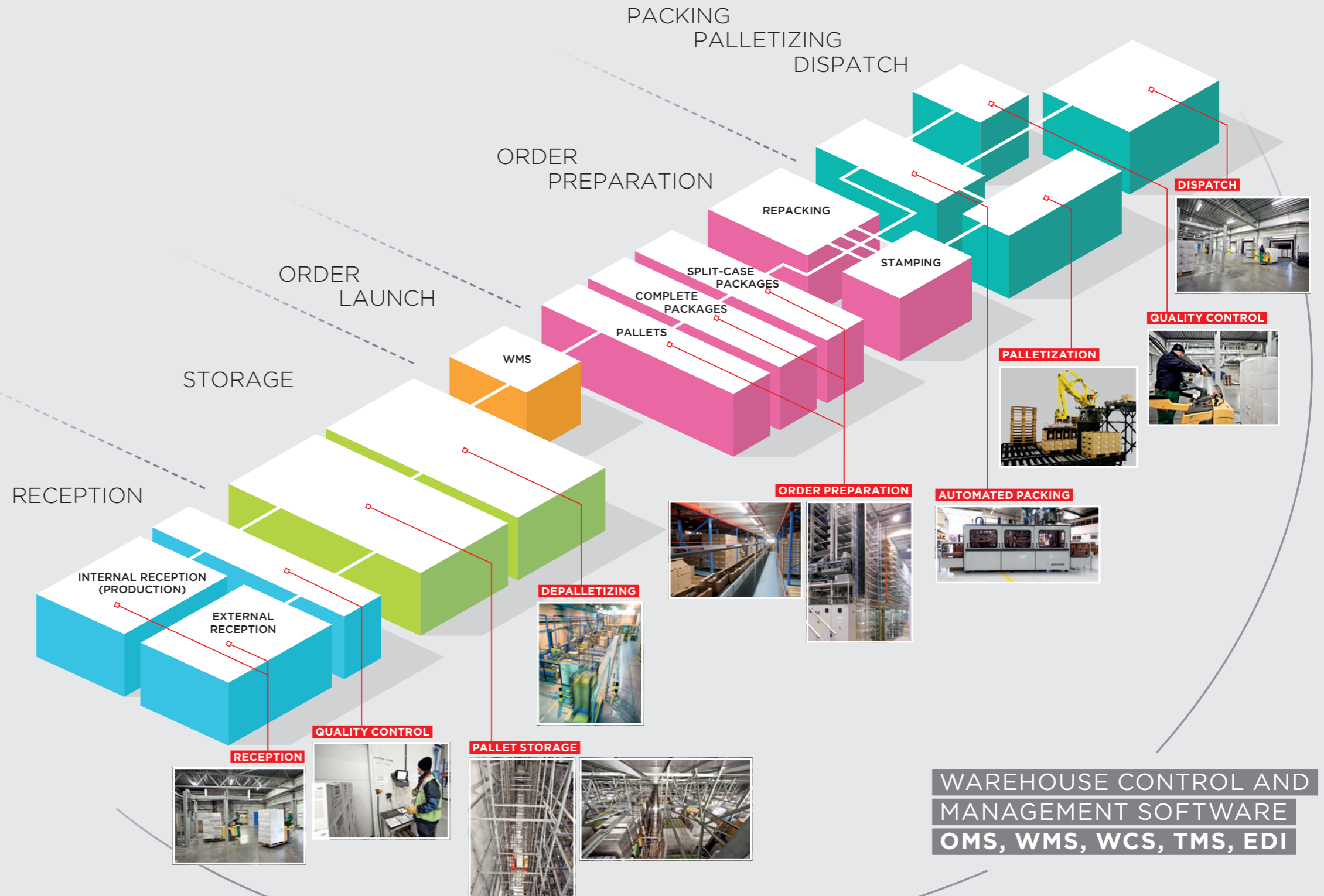
- Weak article reference system for permanent products
- Strong sales
- Promotions: short life cycle, temporary products, large volumes
- Management of production surpluses

### WHOLESALEERS, DISTRIBUTORS

- Significant article reference: increased number of references and batches
- Heavy seasonality for certain products
- Next day delivery
- Storage of raw, semi-finished and finished products

### LARGE-SCALE RETAILING

- Significant article reference system: increased number of references and batches
- Heavy seasonality for certain products
- Same-day delivery
- Multi-temperatures
- Split management
- E-commerce



**WAREHOUSE CONTROL AND  
MANAGEMENT SOFTWARE**  
**OMS, WMS, WCS, TMS, EDI**

**SAVOYE:**  
**BEST IN CLASS AUTOMATION**  
**FOR YOUR LOGISTICS**  
**AND SUPPLY CHAIN NEEDS**

**ADVANCED TECHNOLOGIES**

**Order preparation of light loads**

X-PTS Goods-to-Person solution, smart conveyors, high-speed sorting systems, robotics

**Automation of shipping packaging**

JIVARO, e-JIVARO, PAC 600, lidding, cardboard wedging

**Automated storage of heavy loads**

MAGMATIC

**ADVANCED SOFTWARE**

**Warehouse management and flows control**

OMS, WMS, WCS, TMS, EDI



Design AGENCE d'iD.O: 01/2020

**KEY MARKETS - SPECIFIC EXPERTISE**

SAVOYE operates in key business sectors and has specific expertise in each area.

The SAVOYE service offer is built on high-level “profession-specific” expertise. We provide tailor-made solutions for every type of logistics warehouse, from the simplest to the most complex layouts.

**Retail logistics:** 3PLs, specialist distribution

**Multi-channel logistics:** retail, e-commerce, mail-order

**Industrial logistics:** food, health and pharmaceutical industry, industrial supplies

contact@savoie.com  
Tel. +33 (0)3 80 54 40 00  
[www.savoie.com](http://www.savoie.com)

