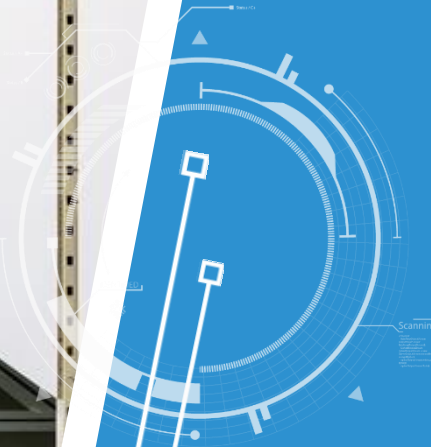
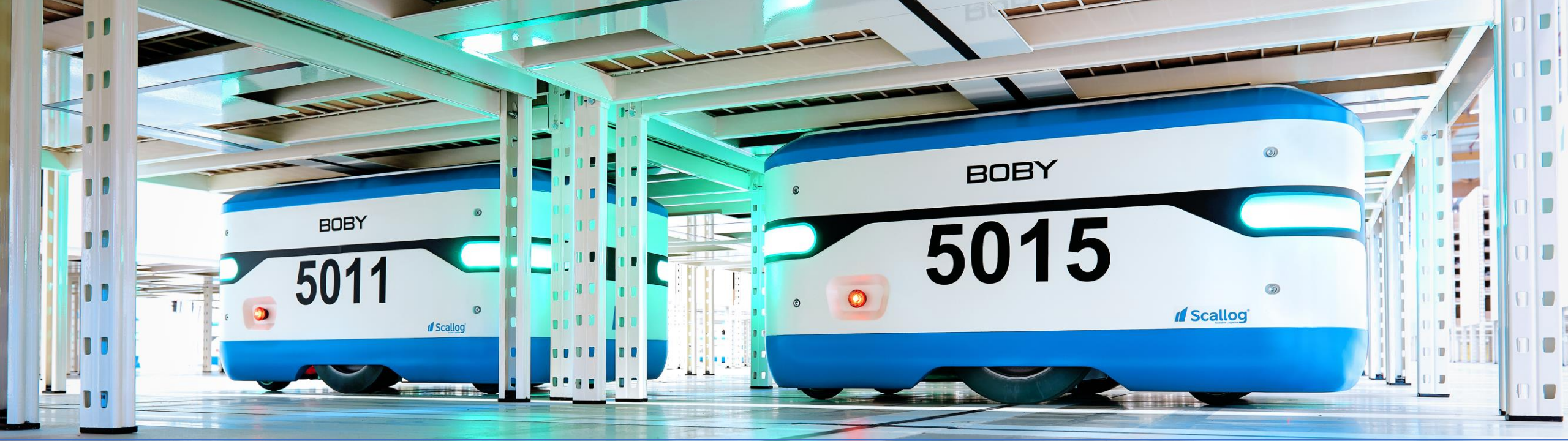


Flexible Automation !



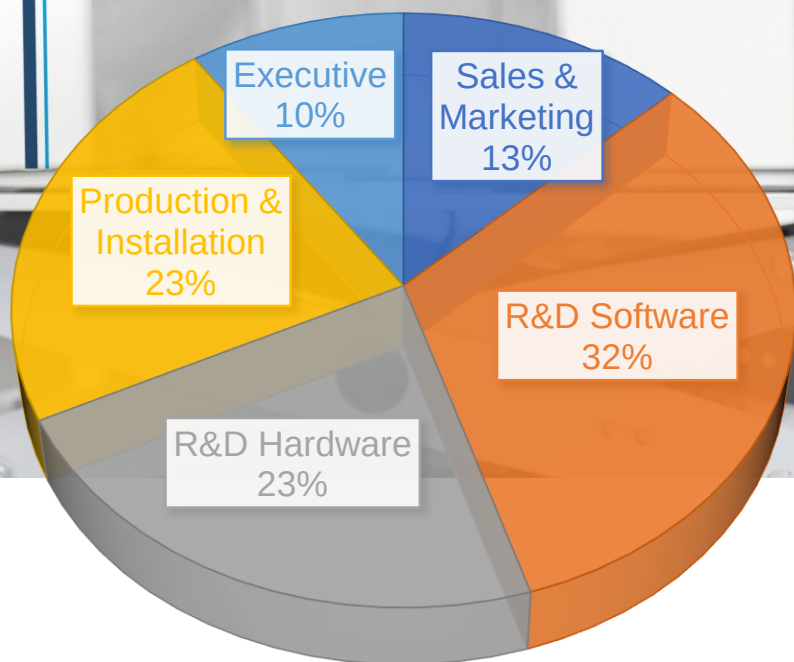
Boost and Scale
your Logistics with
Mobile Shelving
Solution





ABOUT SCALLOG





~ 40 people



Olivier ROCHET

Founder & CEO

- Founder of Scallog in 2013
- Experience in logistics & IT development
- Product developer in Matrix WMS (5 years)
- ENSIIE School of Engineering (2010)



Pierre Yves MINARRO

Managing Director

- 30 years experience in Sales and Software
- High experience in managing fast growing company
- Former COO Diagma / AZAP
- Former CEO Opti-time



Hugues STERLIN

Operation Director

- 30 years experience in logistics and operation
- Former Supply Chain Senior Manager at L'Oréal (18 years)
- High experience in IT and managing large Supply Chain project



David LEMAITRE

Technical Director

- 18 years experience in Robotics and Industry
- Former CTO of Robotics unit in Econocom
- Founder of EOS Innovation (Robotics company)
- Former Industrial manager in CSSI

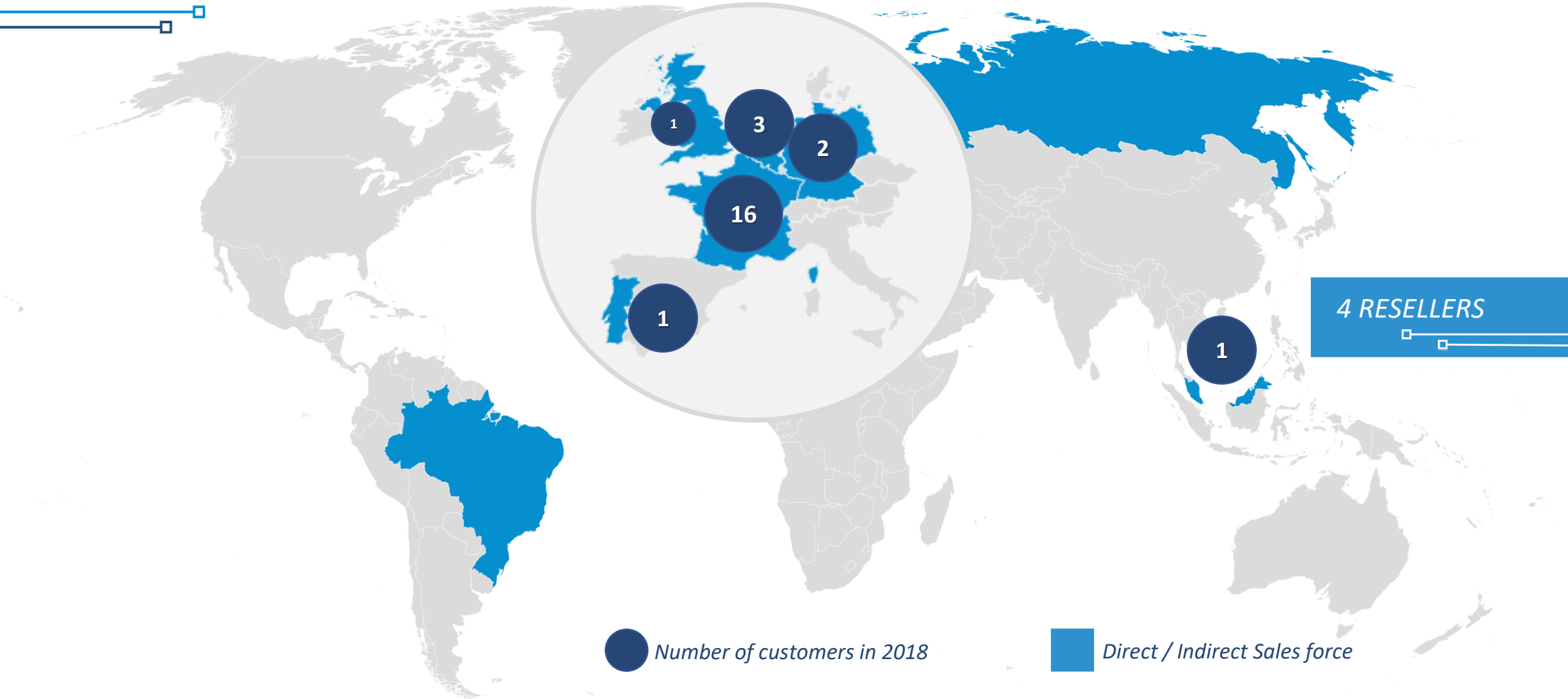


Gilles NEROT

Financial Director

- 40 years experience in Finance & Accounting Areva
- Member of Executive Committee Areva
- High experience in finance & HR (Human Ressources)

WORLDWIDE PRESENCE



 *Number of customers in 2018*

 *Direct / Indirect Sales force*

OUR MARKETS



B to B



E-commerce



Industry



PARTNERS



Shelving / Storage

Diplex
La solution stockage

FERALCO
Averys group

MECALUX

Integrator EU US ASIA

fives cinetic

slidelog

tyt TYT CORPORATION PTE LTD **ORDERWISE®**
BUSINESS MANAGEMENT SOFTWARE
WEB · STOCK · ORDER · WAREHOUSE · ACCOUNTS

Put to light / Weighing control

TPL
Systèmes de communications

METTLER **TOLEDO**

signature

ERP/ WMS System

LIGHT UP
YOUR FUTURE_
HARDIS
GROUP

IBM
Business
Partner

generix
group

INFFLUX
groupe CFD

Manhattan
Associates®

DEMATIC

Microsoft
Dynamics NAV

Consulting

DIAGMA
supply chain services

metis
CONSULTING

ARGON
CONSULTING

JLL

CUSTOMERS SINCE 2013



E-commerce & BtoB



Industry





SCALLOG SYSTEM



OVERVIEW



Scallog offers a simple and scalable automated order picking concept called Scallog System :

Mobile robots move under the shelves and bring them to the workstations. The operator has only to pick the number of products indicated on the Scallog System.

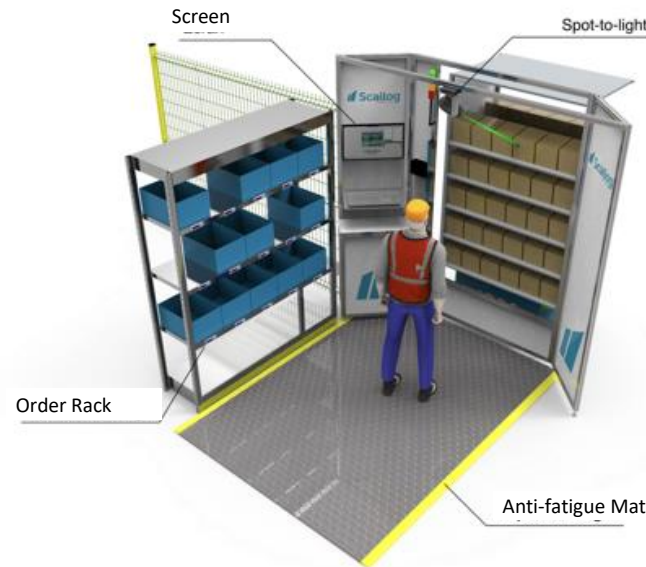


HARDWARE EQUIPEMENTS



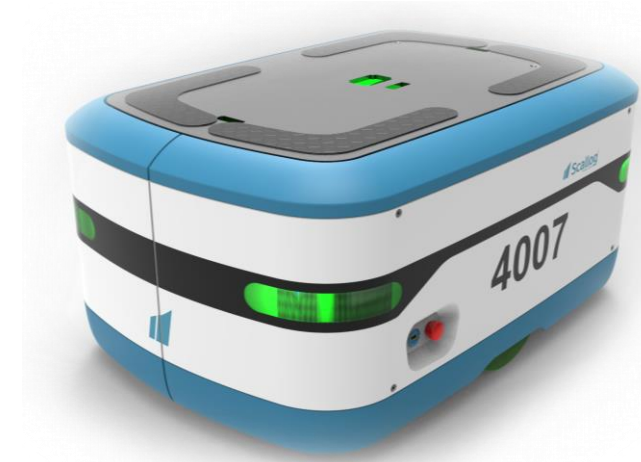
Shelf unit

- Fit to a large typology of products
- (Cosmetics, Shoes, Textile, small-parts...)
- Double or single-sided
- Dimension : 800/1200/2500 mm



Workstation

- Multi-operations (picking // Replenishment //inventory)
- 450 to 600 picks / h
- Modular & ergonomic.
- Increase reliability : Spot-to-light
- Control validation : Put-to-light



Mobile Robot

- Navigation without infrastructure - WIFI
- Max load: 600 kg
- Max speed: ~ 5 km / h
- Battery: 14h - Li-ion (NMC)
- 24/7 operations - Autonomous charging

SOFTWARE SOLUTION

WMS / ERP



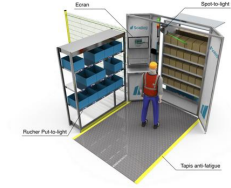
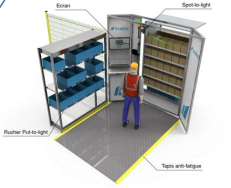
Line orders // Replenishment // Articles ...
WebService - Import/Export CSV



Manage Storage // Location

Picking // Replenishment // Inventory process

Control the fleet of robots in real time // Wifi network





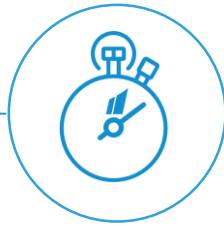


BENEFITS



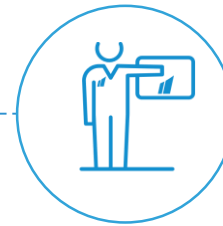
MODULAR & FLEXIBLE

- High scalable system.
- Fast deployment (two to three weeks)
- Without anchor, flexible solution
- Modular location / Storage
- Multi-products (Cosmetics, shoes, small parts...)



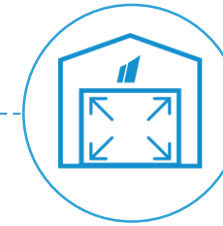
HIGH PERFORMANCE

- 450 to 600 picks per hour
- Quick Return On Investment (~ 2 years)
- Touch screen control
- Picker assistant (put-to-light // Spot-to-light)



EASY PICKING

- Better working conditions
- Multi-stations scheduling
- Multi-process on each workstation (picking // replenishment // Inventory)
- Operator no longer needs to walk around
- Less drudgery
- Increased safety



INCREASED STORAGE

- Save up to 30% of space in your storage area
- Modular storage
- Centralised storage in secure area



PICKING PROCESS



Replenishment

User

Logout

SKU : D5411009920000

Statut : WITH_MISSION

Article : plug arriere

Mouvements Restants :4

SKU : L3445224

Adress : E159_B_5-2

Label : ICS RF4

QTY :

-

27

+

OK

Error

	27

>

>

Inventory

User

Logout

SKU : D5713310720003

Statut : WITH_MISSION

Article : RAIDISSEUR N.1 AR.

Mouvements Restants :4

Adress : E332_B_5-1

SKU : TS344

QTY : 18

N° casier	Qté		
Palett 1-3	18	-	+

OK

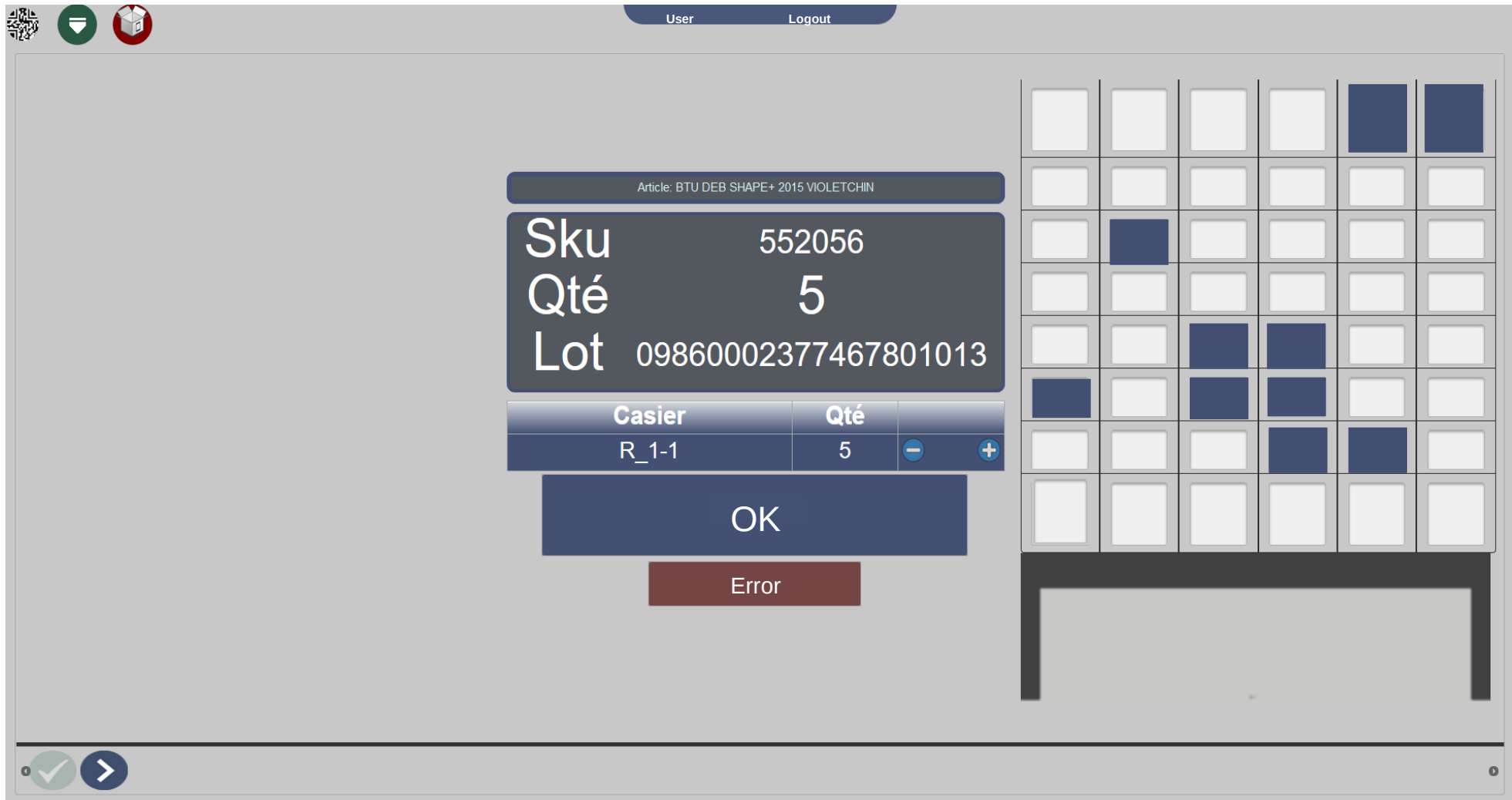
Error

18

>

>

Return on empty slot example



The screenshot shows a retail POS interface. At the top, there are icons for a QR code, a green circle with a white arrow, and a red circle with a white arrow. Below these, the text "User" and "Logout" are visible. The main display area shows a transaction summary for "Article: BTU DEB SHAPE+ 2015 VIOLECHIN". The summary includes:

Sku	552056
Qté	5
Lot	09860002377467801013

Below the summary, there is a table with two columns: "Casier" and "Qté". The first row shows "R_1-1" and "5". To the right of the "Qté" column, there are minus and plus buttons. Below the table, there are two buttons: "OK" and "Error". On the right side of the interface, there is a grid of 24 slots (4 rows by 6 columns). The first row has 2 slots filled with dark blue. The second row has 1 slot filled with dark blue. The third row has 2 slots filled with dark blue. The fourth row has 2 slots filled with dark blue. The bottom of the interface has a bar with a green checkmark icon and a blue arrow icon.

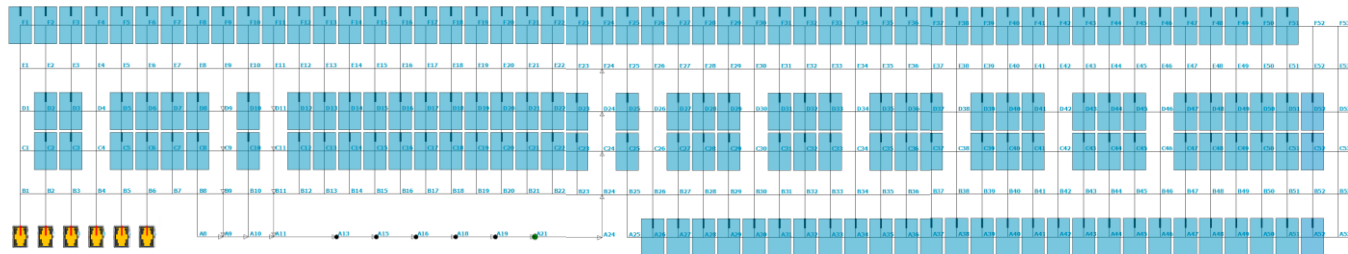


MODULAR & SCALABLE





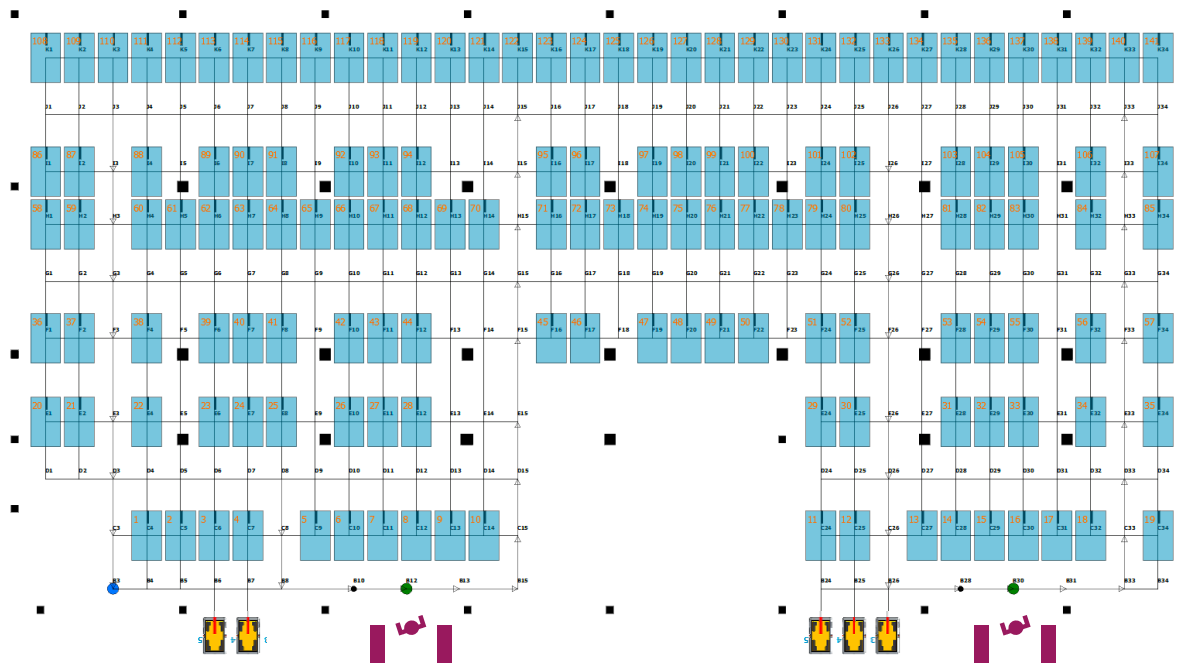
SIZE 1 - « START QUICKLY ! »



Dimensions

- 4/6 Mobile Robots
- 1/2 Workstations
- 50/150 Shelf units
- 1000 / 5000 SKU

- Multi-orders
- Fit on a mezzanine

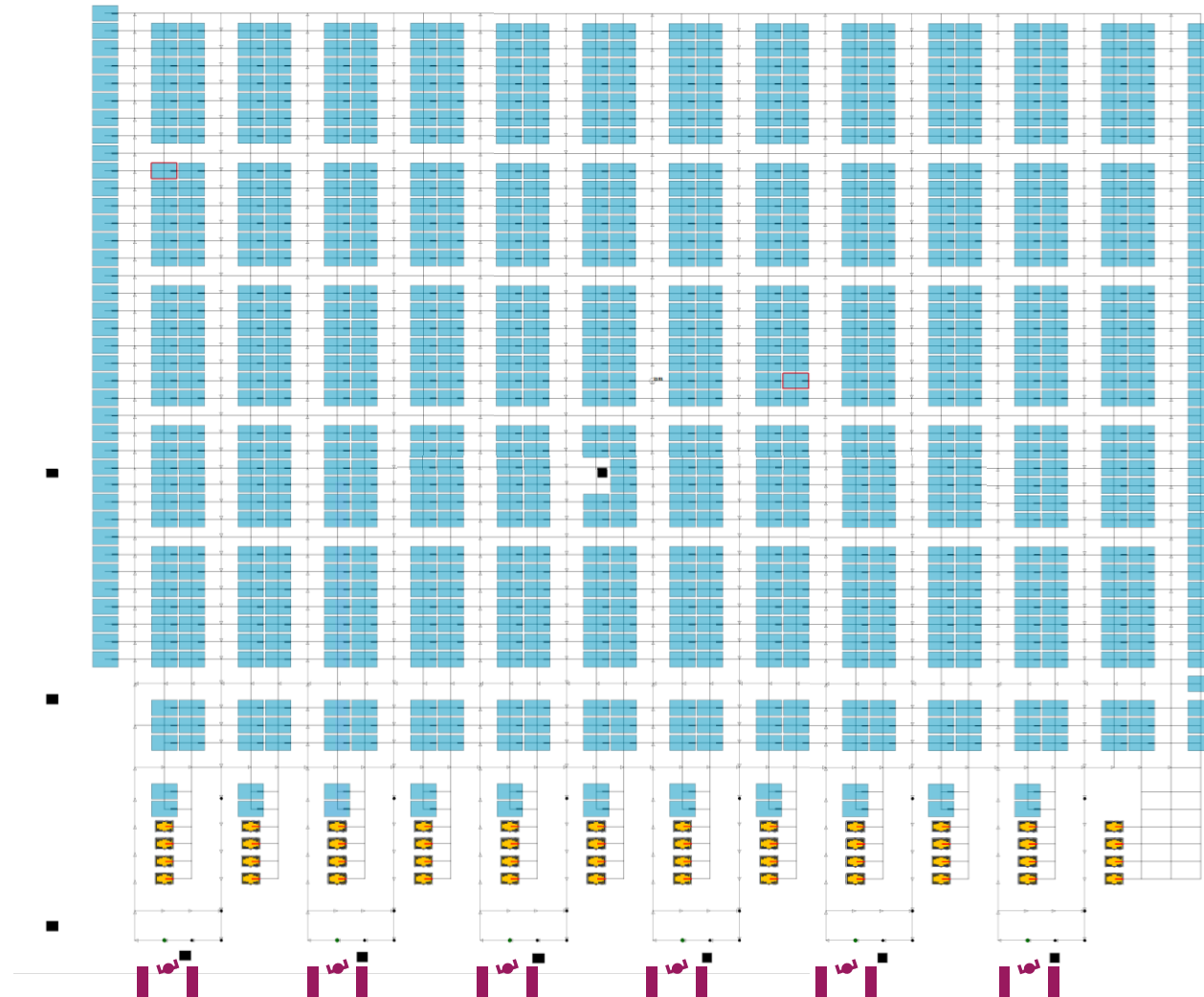




SIZE 2 - « SAVE SPACE ! »

Dimensions

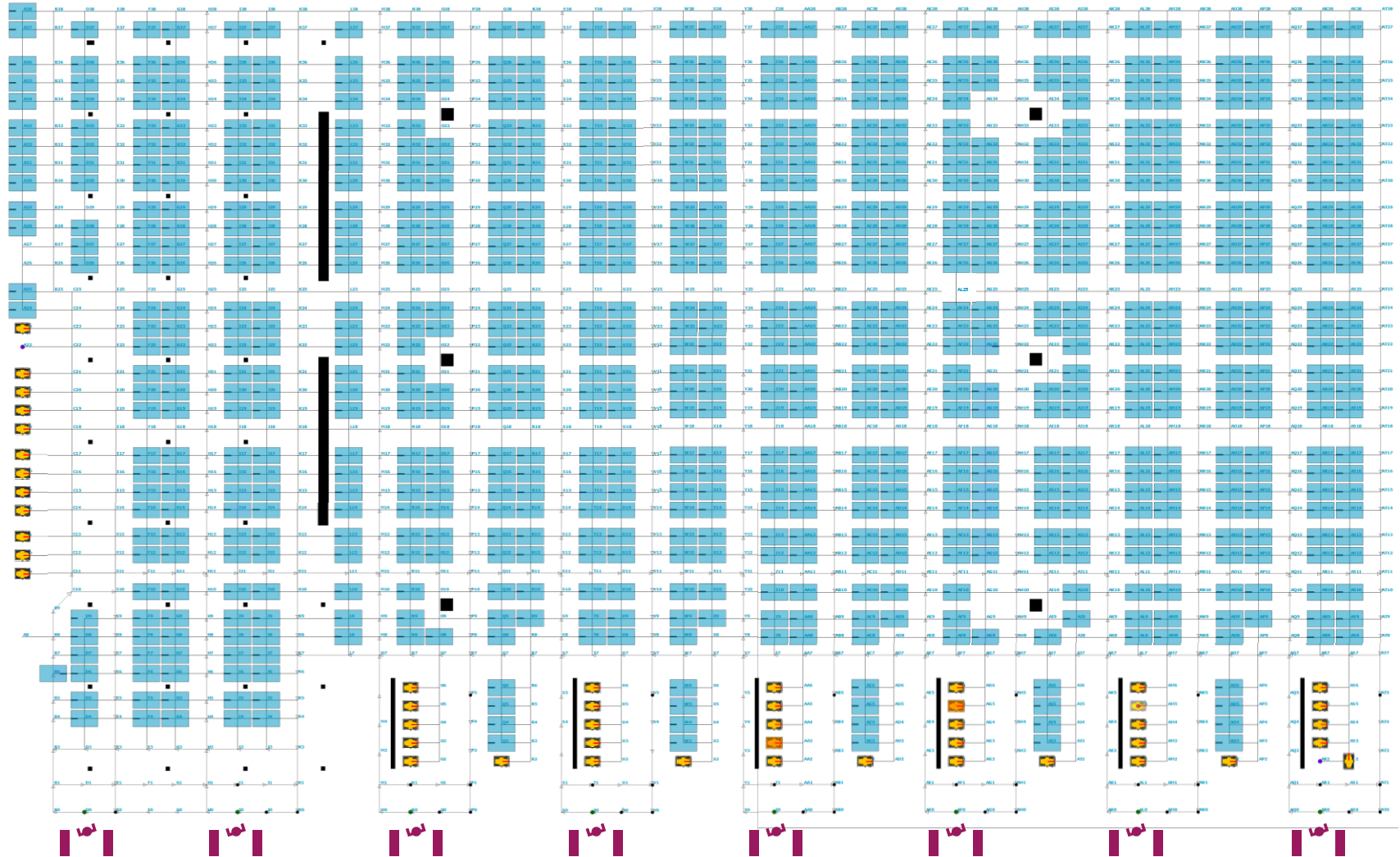
- 30 Mobile Robots
- 6 Workstations
- 500 Shelf units
- 10 000 / 50 000 SKU
- Reduced aisles
- Compact storage



SIZE 3 - « INCREASE YOUR PRODUCTIVITY ! »

Dimensions

- 50 Mobile Robots
- 8 Workstations
- 800 Shelf units
- 50 000 / 100 000 SKU
- Multi-process
- Scallog core-software schedules order processing





THANK YOU

www.scallog.com