

Nowaste Logistics AB



Today's Agenda

- Who am i?
- Who are Nowaste and Dole?
- Why did we have a project with SIB Solutions and Turck Vilant?



The parent company of the group is Dole plc., the world leading provider of fresh fruits and vegetables. Operating in more than 30 countries and employ approximately 36.000 people. Dole plc. is listed at NYSE and hold a revenue of \$9,7 billion. Headquarter is in Charlotte, North Carolina, US.

everfresh

All Swedish entities are gathered beneath Everfresh. Everfresh is the leading provider of fresh fruits and vegetables in Sweden and is headquarted in Helsingborg, Sweden. Nowaste Logistics is a fully owned subsidiary.

Since Nowaste is the only company within the whole group having logistics as a business idea, the company has far reaching freedom of development, right to decide and invest in its operations. Headquarter is in Helsingborg, Sweden.

OUR GROUP



nowaste
LOGISTICS AB

OUR STORY



From fruits to everything

1987 Lime Fruit and Vegetables is born.

2001 Automation begins.

2008 Nowaste Logistics is established.

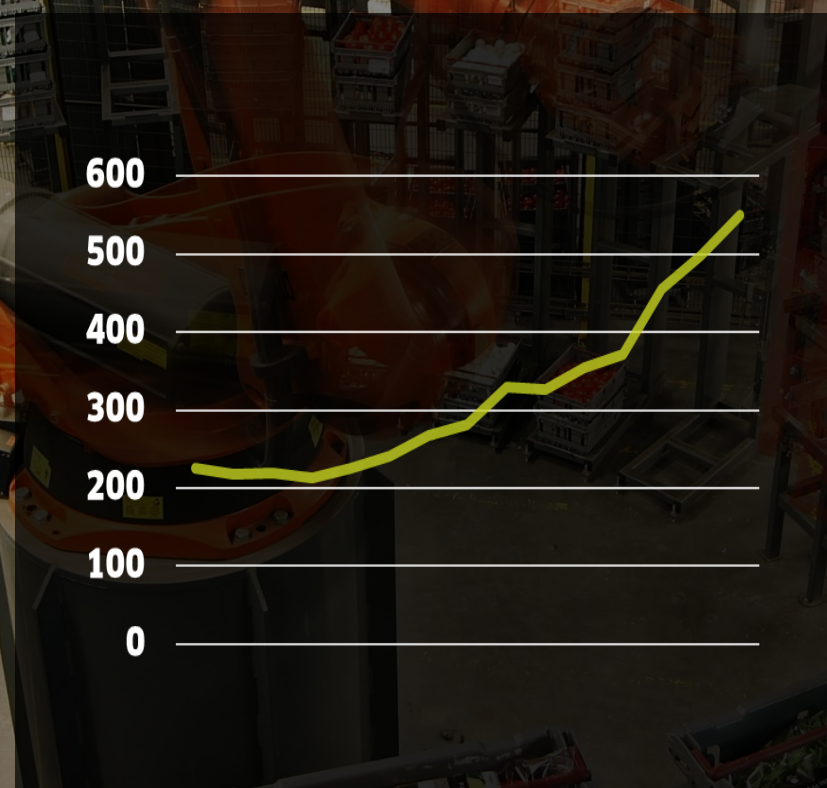
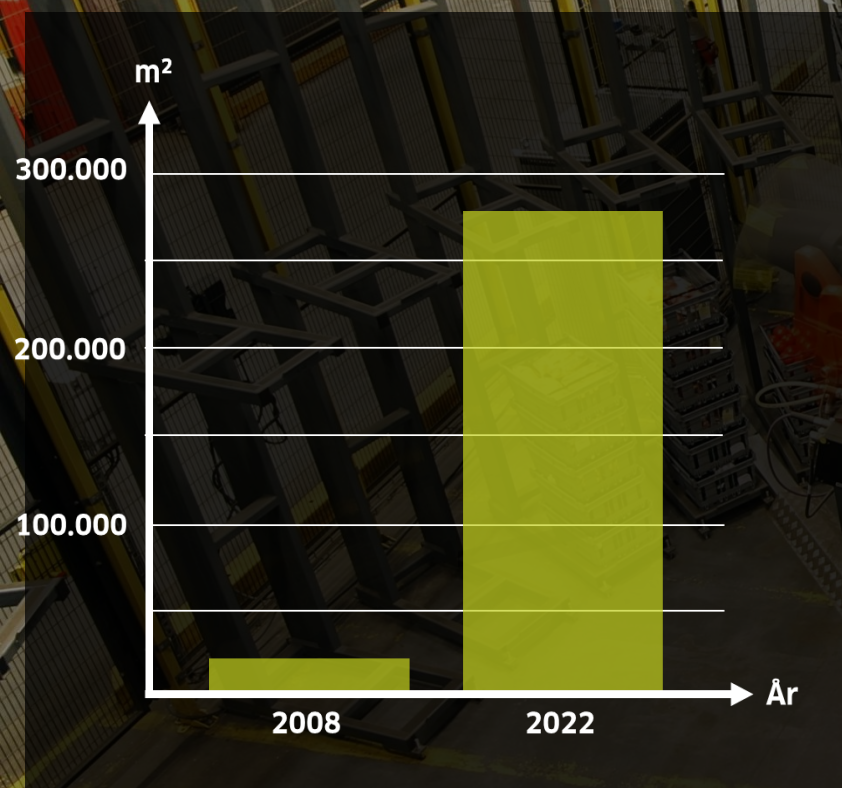
2013 Becoming a 3PL.

2016 Standing on our own legs.

2021 Most progressive within the industry

OUR STORY

From fruits to everything



CUSTOMERS



PeakPerformance

PARFYM•SE

LAYERED



Nestlé

5.11 


JOHN HENRIC
SWEDEN



POLARN O. PYRET

 HOME
FURNISHING
NORDIC

GRANNGÅRDEN
ETABL.1880

BROTHERS

panduro®



Najell®

 MESTERGRUPPEN

coop

BJÖRN BORG 

Bread & Boxers

Johnson & Johnson

DOLE Nordic/Everfresh

- 22000 sqm
- 300 employees
- HBW/Robotpicking/Manual
- 100,000 – 150,000 pcs/day 365 days
- 2000-2500 Pallets outbound every day
- 900-1200 Pallets inbound every day
- Turnover rate 2 days
- 1700 SKU



DOLE Nordic



Because the cost matters and that's why we have to logistics and planning in this.

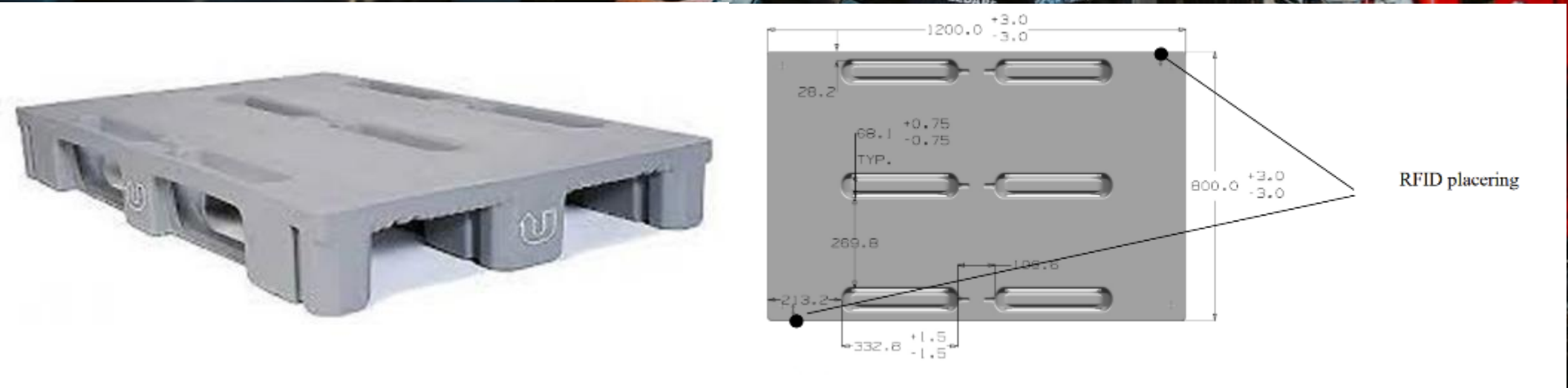


SRS Pallet Project



SRS Project

2020 – Coop & Dole Nordic – New project
Coop new terminal – High automation
Day-rate, transfer ownership
Lifespan of 15 years



Upside



WEIGHT 10KG -15KG



SUSTAINABILITY CA
15 YEARS



WORKING
ENVIRONMENT



DISCUSSIONS
REGARDING PALLETS

Business Case

- From manual to automatic
- Timesaving register with smartpooling
- Searchability with RFID and Video
- Purchasing cost of EUR pallets
 - Day-rate instead
 - 20-40 broken pallets/day
 - $\sim 9 \text{ EUR} \times 30 \times 365 = 98\,550 \text{ EUR}$
- Working environment
- Value of lost goods
- Tracability
- Value of pallets, 90 eur each
 - $650\,000 \times 90 = 58\,500\,000 \text{ EUR}$



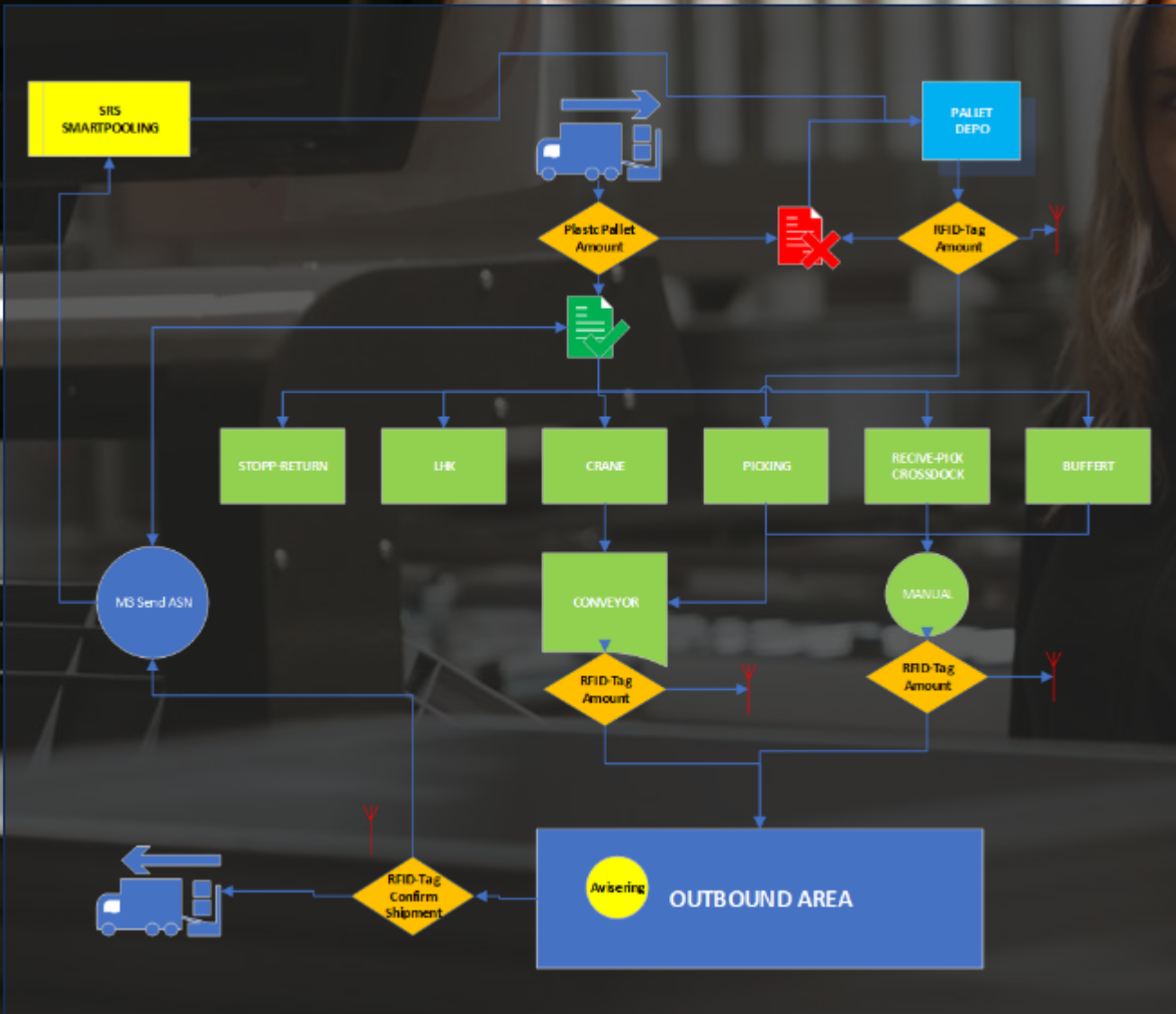
Challenges

Before Implementation

- Warehouse processes
- 650,000 transactions/year
- Inbound pallets 1000-1200 daily
- Outbound pallets 2000-2500 daily
- SRS Pallets are expensive
- Correct stock – dayrate
- Verify transactions
- Some customers don't want SRS
- Automation adjustments
- RFID
- Camera system
- Wifi
- SRS Smartpooling register
- ASN

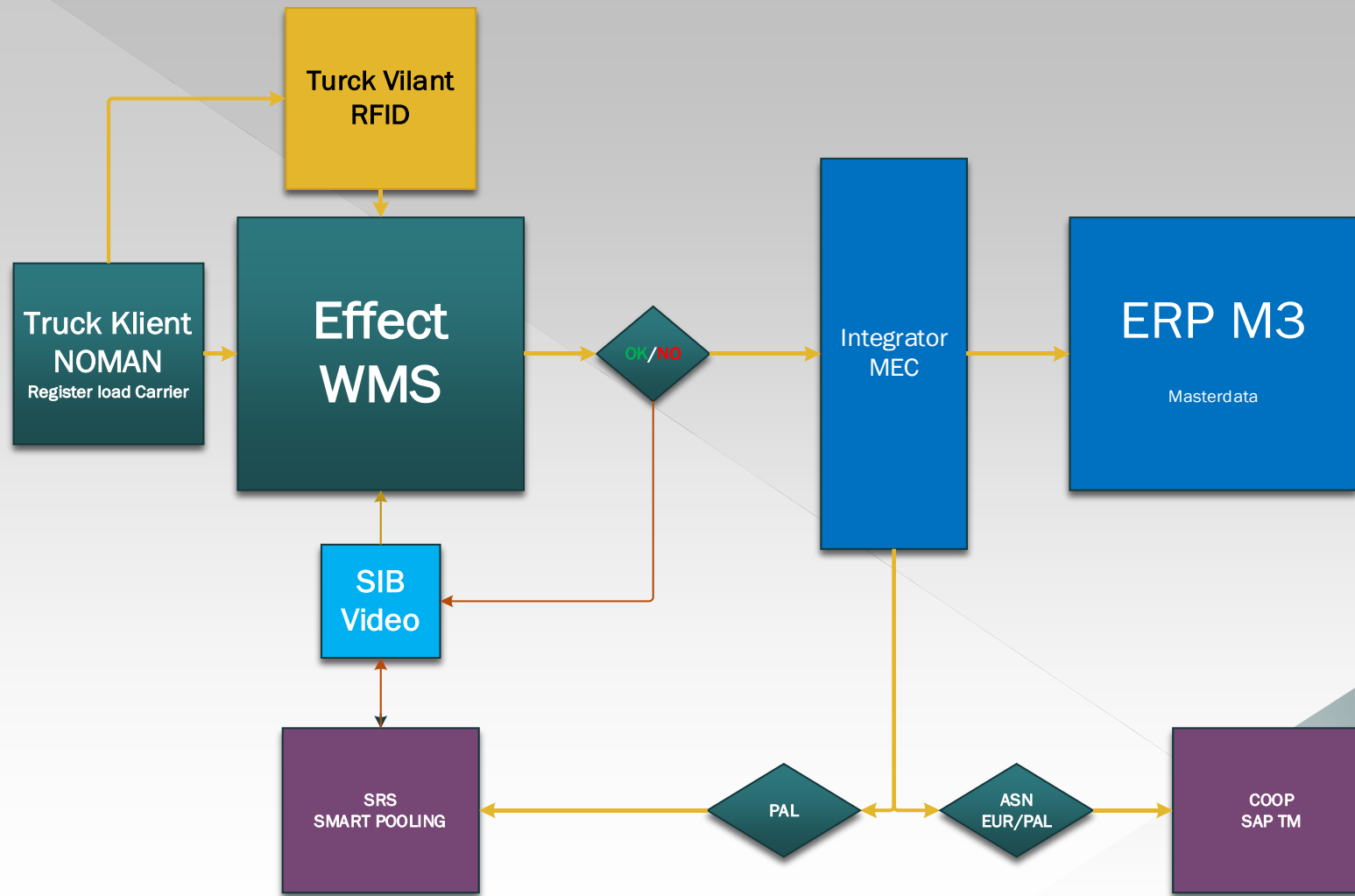


Project plan

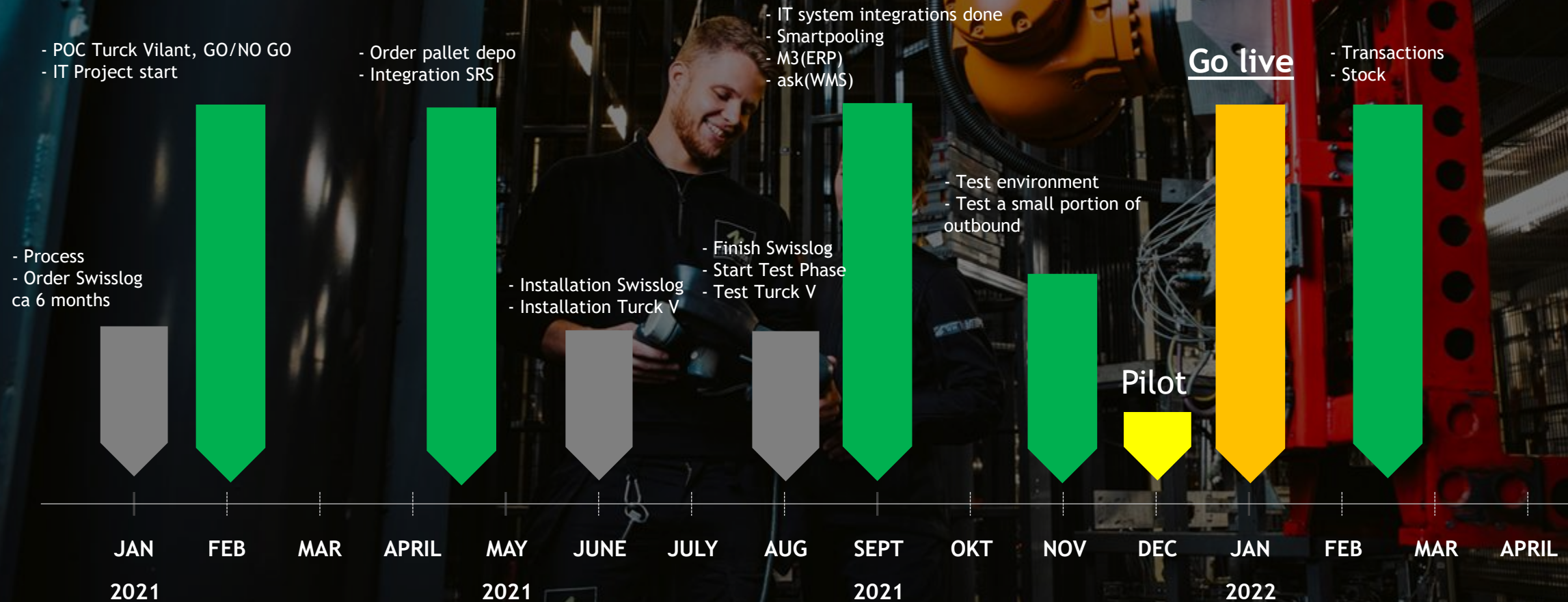


WMS – ASK – Our own
Pick client
The normal process for pickers
Traicability PoC with Turck
SIB Solutions
Masterdata ERP
Integration between systems

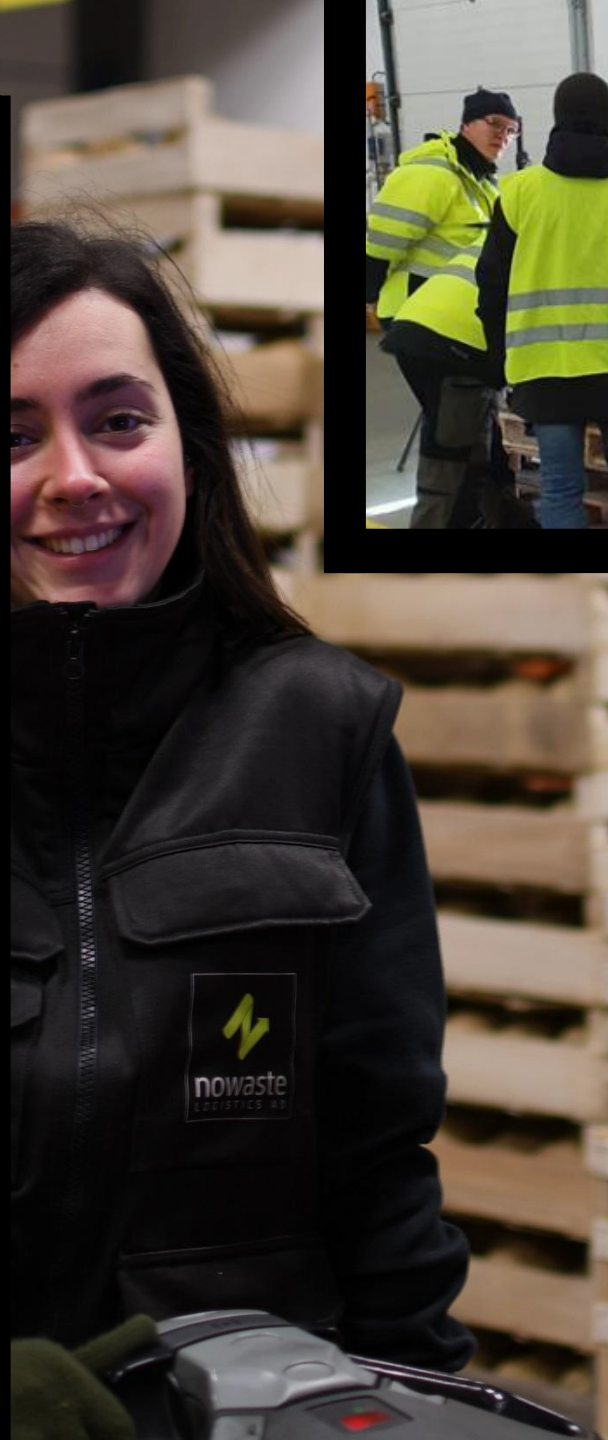
System



Milstones







VIDEO

noeffectui-everfresh.nowastelogs.com/view/v_ask_pick_log_full-... Öppna i appen

Ask Anpassad: Plocklogg full Pallastningsf... Visning Yta Saldo Kund

| Kund | Kundreferens | Artikelnr | ! Artikel | Beställt | Plockat | Lokation | Plockpallsnr | |
|------------------|--------------|-----------|--|----------|---------|--------------|--------------|---|
| tora Coop Bromma | 0102886979 | 100748 | Banan Eko Färg 4 EC | 4 | 4 | A004 | 4482588 | S |
| tora Coop Bromma | 0102886979 | 113689 | Blekselleri påse 10st RB SE | 1 | 1 | B38 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 116374 | Blomkål film 6,5kg Coop RB SE | 2 | 2 | 100190946001 | 4483799 | C |
| tora Coop Bromma | 0102887686 | 118058 | Bär Björnbär 12x125g PT | 1 | 1 | GD27 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 114172 | Bär Jordgubbar 15x500g Vadensjö SE | 6 | 6 | GC23 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 120494 | Bär Jordgubbar 8x400g NJS RB SE | 2 | 2 | GC02 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 112653 | Böna Sockerärta 12x150g TOP ZW | 1 | 1 | L74 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 105700 | Böna Sugarsnaps 12x150g ZW | 1 | 1 | L62 | 4482829 | A |
| tora Coop Bromma | 0102879827 | 116277 | CC LolloRosso hela blad 4x400g RB SE | 1 | 1 | Z0003 | 4482829 | K |
| tora Coop Bromma | 0102886979 | 113129 | Citron 12x350gr Å-mark/KRAV RB ZA | 2 | 2 | 100190946001 | 4483641 | C |
| tora Coop Bromma | 0102886979 | 119368 | Dill flow 8x20g Coop RB SE | 1 | 1 | C43 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 104373 | Dill kron knippe 25st RB SE | 1 | 1 | C14 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 111279 | Druva grön kärnfri 10x500g Coop IT | 8 | 8 | A08 | 4483321 | S |
| tora Coop Bromma | 0102886979 | 119369 | Gräslök flow 8x20g Coop RB SE | 1 | 1 | I35 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 114199 | Gurka film 37st RB SE | 8 | 0 | | | F |
| tora Coop Bromma | 0102886979 | 112558 | Gurka film 44st RB SE | 7 | 7 | B08 | 4483078 | S |
| tora Coop Bromma | 0102886979 | 120758 | Gurka Västerås fr Sverige 7kg RB SE | 4 | 4 | B02 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 116749 | Ingefära BR | 1 | 1 | E13 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 119376 | Krydda Koriander strut 8x100g Coop RB SE | 1 | 1 | I1202 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 120144 | Krydda Mynta strut 8x100g Coop RB ES | 1 | 1 | I1401 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 102666 | Lime 48st BR | 4 | 4 | D23 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 117230 | Lök gul 45/60 12x1kg Coop RB SE | 1 | 1 | 100190946001 | 4483641 | C |
| tora Coop Bromma | 0102886979 | 117647 | Lök röd 45/60 12x1kg RB EG | 1 | 1 | GA0501 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 114434 | Lök Salladslök bunt 14st kort DE | 4 | 4 | A15 | 4483321 | S |
| tora Coop Bromma | 0102886979 | 105487 | Lök Schalotten 20x250g FR | 1 | 1 | D61 | 4482829 | A |
| tora Coop Bromma | 0102887129 | 102723 | Mango Jumbo 5-6st kg BR | 8 | 8 | D17 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 102845 | Melon Gallia 14-16st RB ES | 2 | 2 | 100190946001 | 4483641 | C |
| tora Coop Bromma | 0102887686 | 102839 | Melon Gallia 4-6st ES | 4 | 4 | J31 | 4482829 | A |
| tora Coop Bromma | 0102885988 | 120271 | Morot 14x1kg Coop RB SE | 1 | 1 | 100190946001 | 4483799 | C |
| tora Coop Bromma | 0102885988 | 120271 | Morot 14x1kg Coop RB SE | 7 | 7 | 100190946001 | 4483799 | C |
| tora Coop Bromma | 0102886979 | 111960 | Morot 30x500g Coop RB SE | 1 | 1 | 100190946001 | 4483641 | C |
| tora Coop Bromma | 0102886979 | 102968 | Nektarin B IT | 8 | 8 | A05 | 4483321 | S |
| tora Coop Bromma | 0102886979 | 114708 | Paprika mix 9x400g Coop RB NL | 4 | 4 | C03 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 108094 | Paprika röd 141-181g NL | 4 | 4 | D15 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 111401 | Paprika Snack röd 12x2st RB NL | 6 | 6 | A23 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 119372 | Persilja blad flow 8x50g Coop RB SE | 1 | 1 | I1601 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 119373 | Persilja blad strut 6x200g Coop RB SE | 1 | 1 | C37 | 4483346 | S |
| tora Coop Bromma | 0102886979 | 119367 | Persilja flow 8x20g Coop RB SE | 1 | 1 | I0601 | 4482829 | A |
| tora Coop Bromma | 0102886979 | 105018 | Purjolök RB SE | 1 | 1 | 100190946001 | 4483641 | C |
| tora Coop Bromma | 0102887689 | 700732 | Reklam Back to Fruit 500st SE | 1 | 1 | ZX00 | 4483078 | S |
| tora Coop Bromma | 0102886979 | 120806 | Sallad Pak Choi 9x2st Grill RB SE | 1 | 1 | H33 | 4482829 | A |

Search

Camera Recording

SiB SOLUTIONS enabling Reverse logistics

CA Christian Ardl

Search events... Clear Select specific adapter

| THUMBNAIL | LOCATION | ORDER NUMBER | CUSTOMER NUMBER |
|-----------|----------|--------------|-----------------|
| | P25 | 14351957 | 7010 |
| | P42 | 0 | 0 |
| | P42 | 0 | 0 |
| | P25 | 14351853 | 7010 |
| | P26 | 14351974 | 7774 |
| | P42 | 0 | 0 |
| | P24 | 14352008 | 7615 |
| | P42 | 0 | 0 |
| | P25 | 14351853 | 7010 |
| | P26 | 14351908 | 7773 |

Lessons learned

Surprises along the way

Pallet tent –

Freezing RFID – Unusual
Value – Mostly

Simplify outbound from HBW

Scanning of pallets when picking

Direction of loading pallets

Many pallets same time

Tracibility within the automation
Pallet counting


nowaste
LOGISTICS AG

Results

From 4 employees to 1

4 people working with lost pallets and to 1

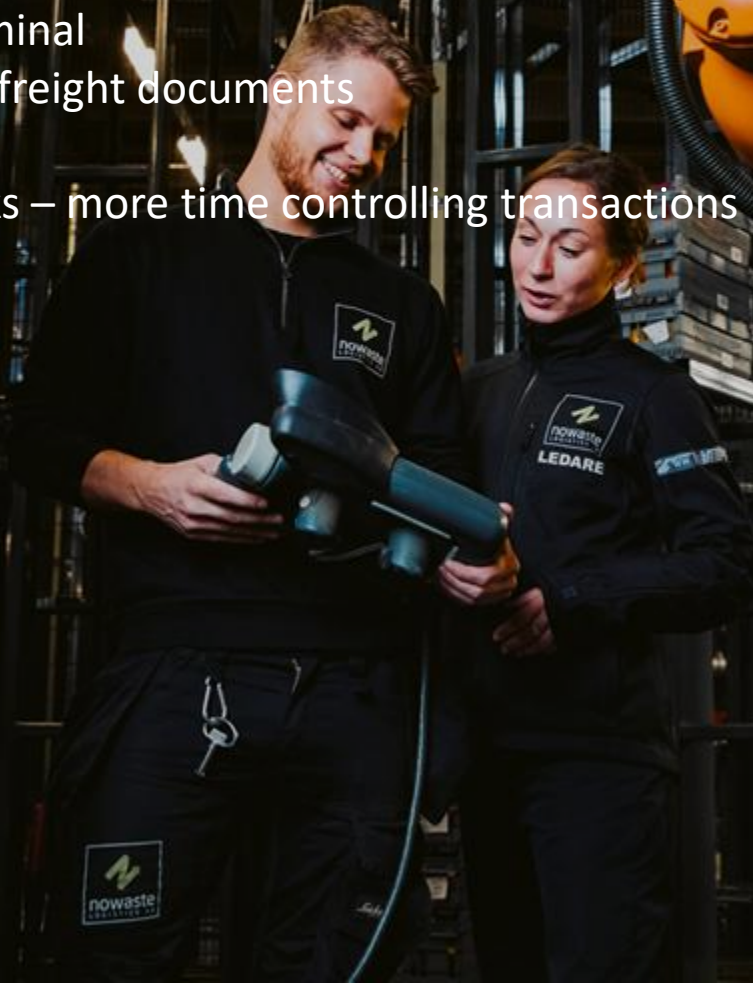
More qualified work, less time counting pallets.

Fewer missing pallets from terminal

Less discrepancies in freight documents

Fewer lost pallets in transport

Less time managing Pallet books – more time controlling transactions



Questions





