Navigating the Future



with Robotics and Al

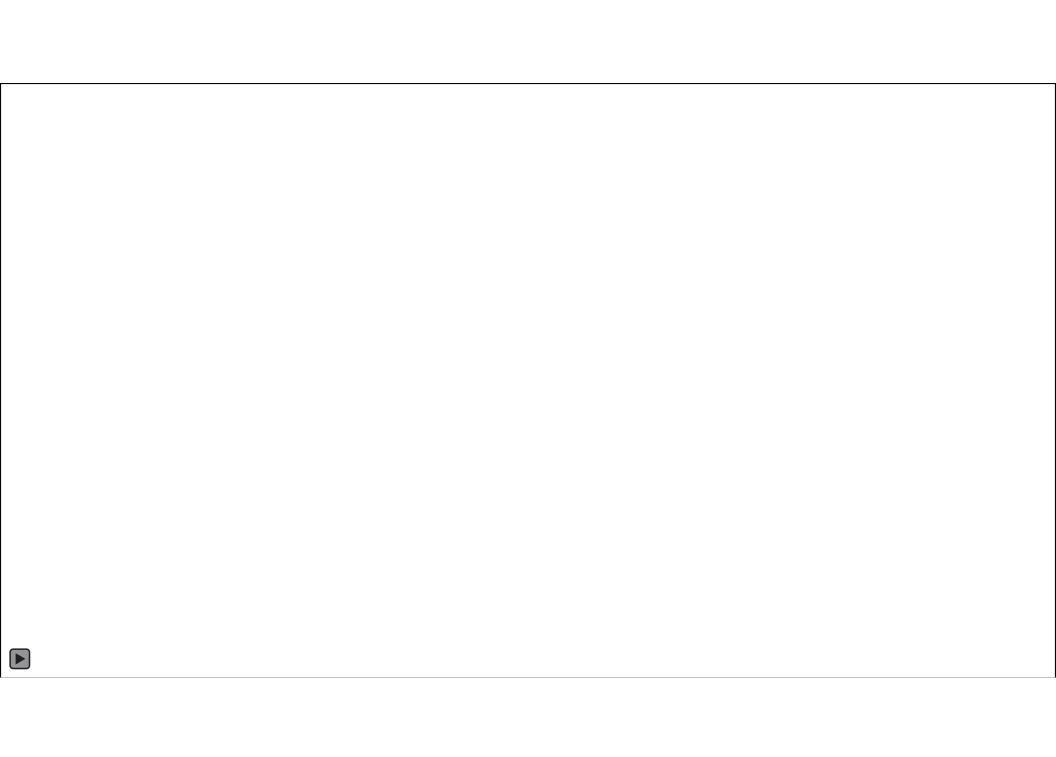






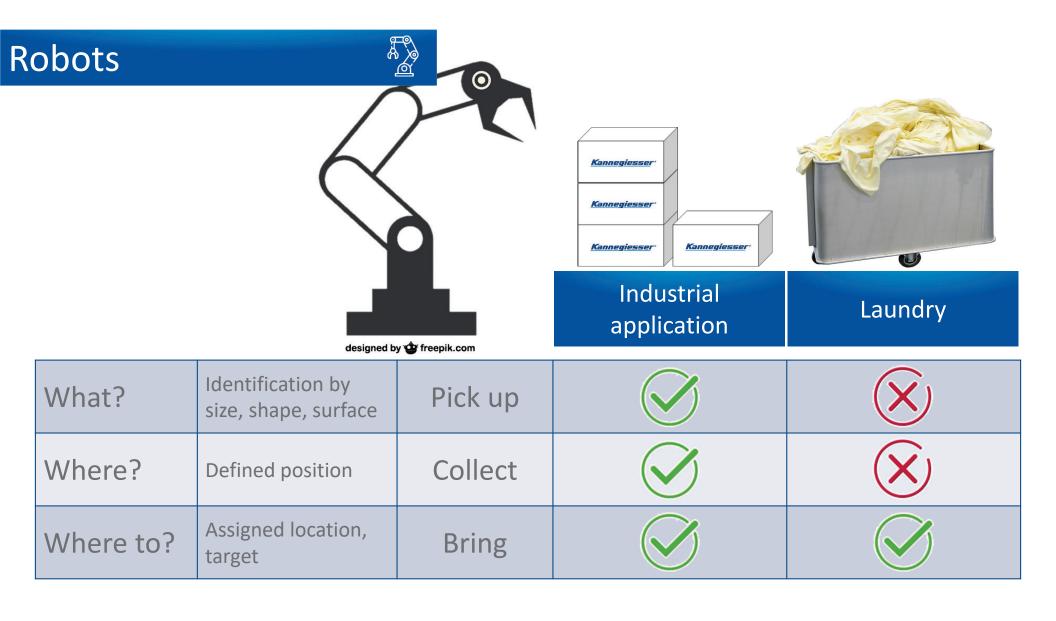


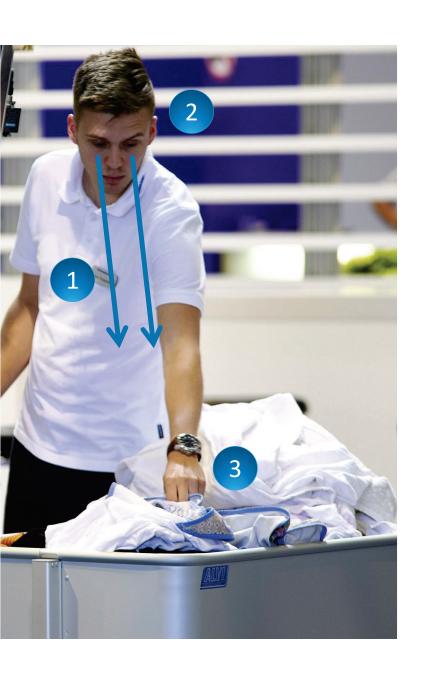












What is the person doing?

(1) Detect





(2) Identify



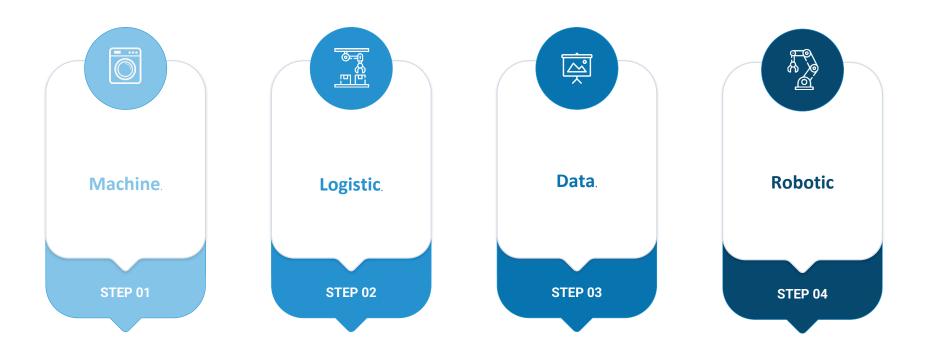
(3) Pick up



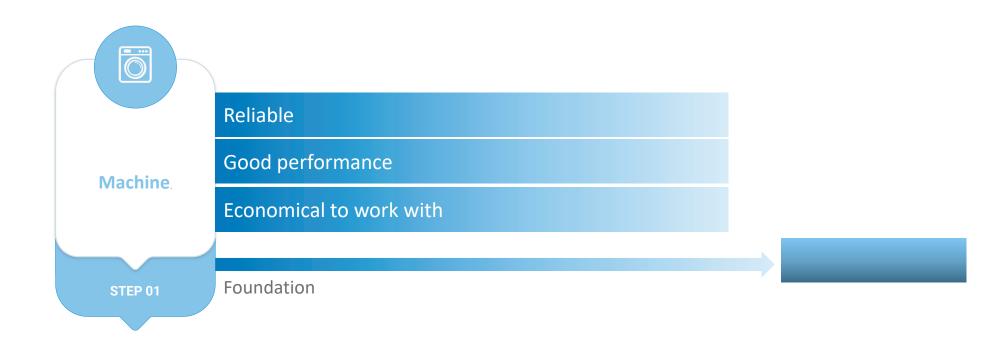




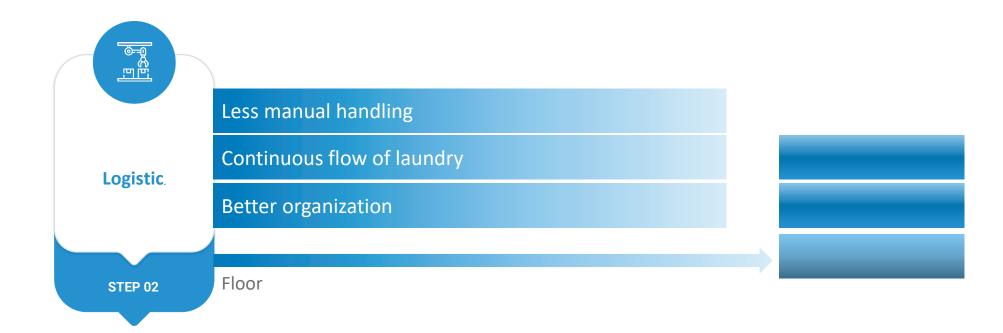
STEPS OF AUTOMATION



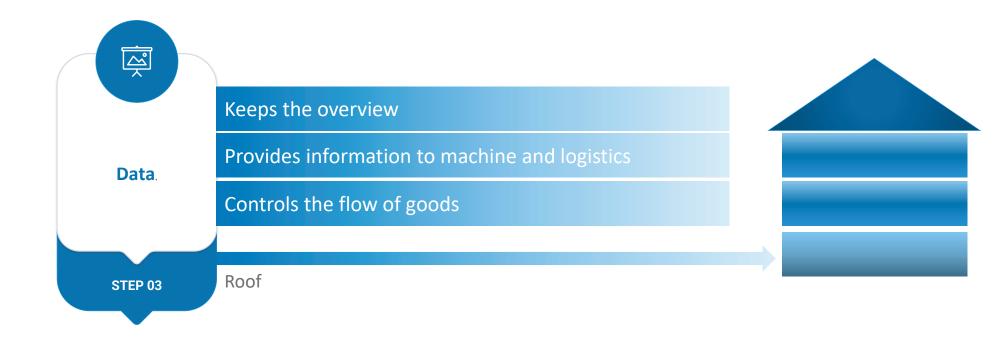
"FOUNDATION" - THE MACHINE



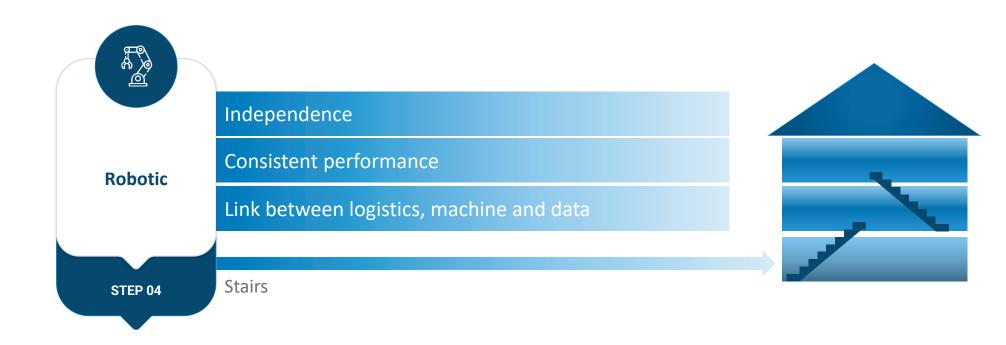
"FLOOR" - THE LOGISTICS



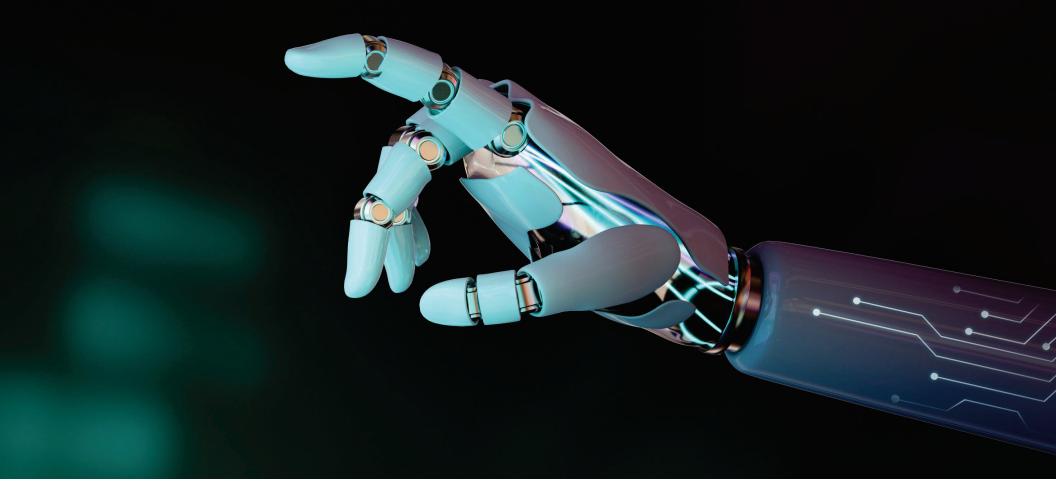
"ROOF" - THE DATA

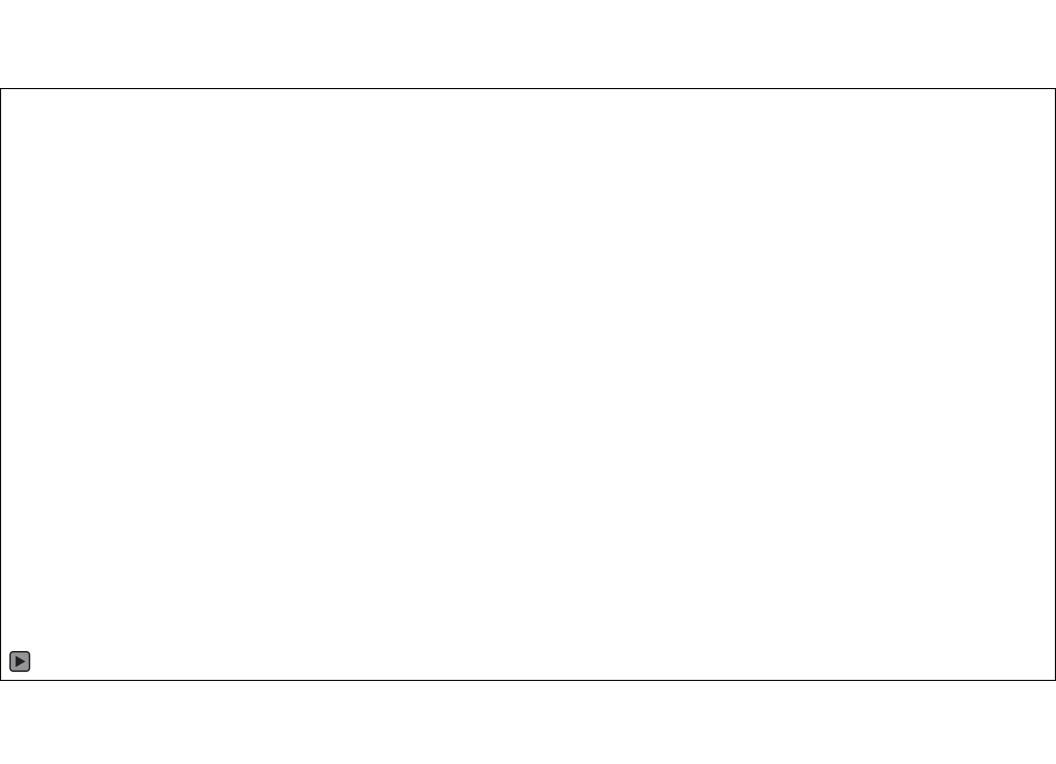


"STAIRS" - ROBOTICS



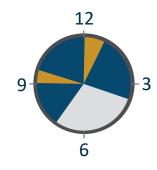
How can automation and robotics support this?





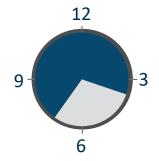
MORE PRODUCTION TIME





Breaks / pauses

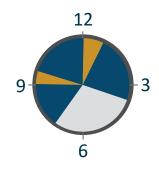




15% more production time

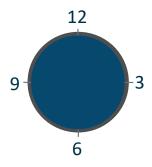
FLEXIBLE PRODUCTION TIME





Shift operation

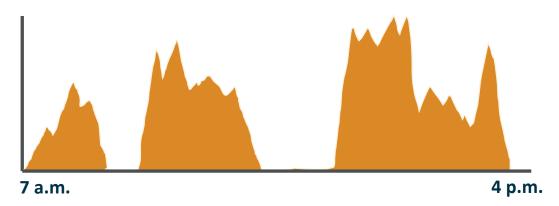




Multi-shift operation

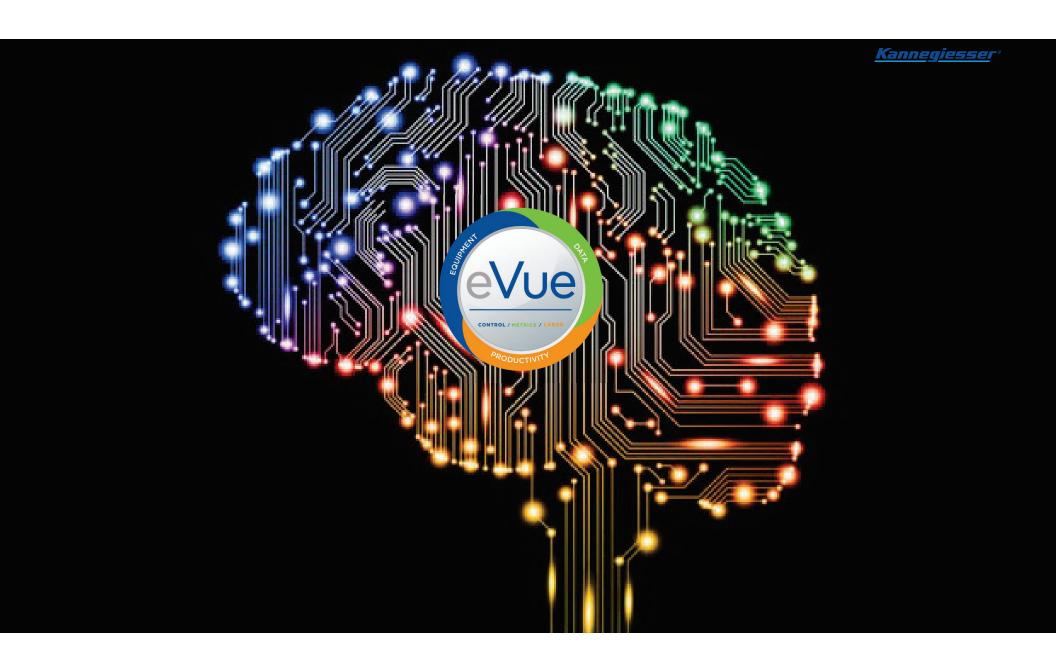
STEADINESS



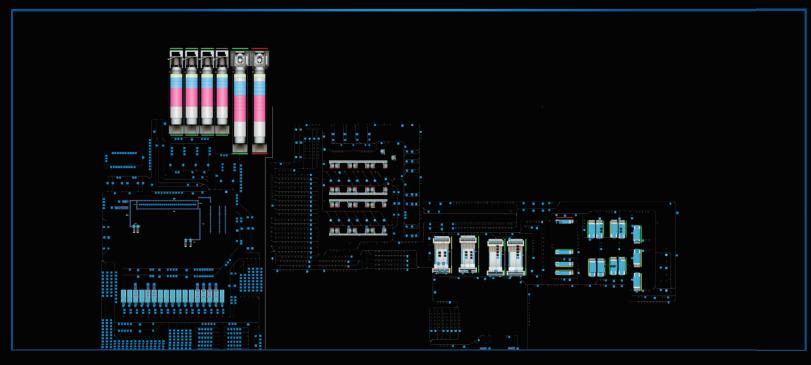




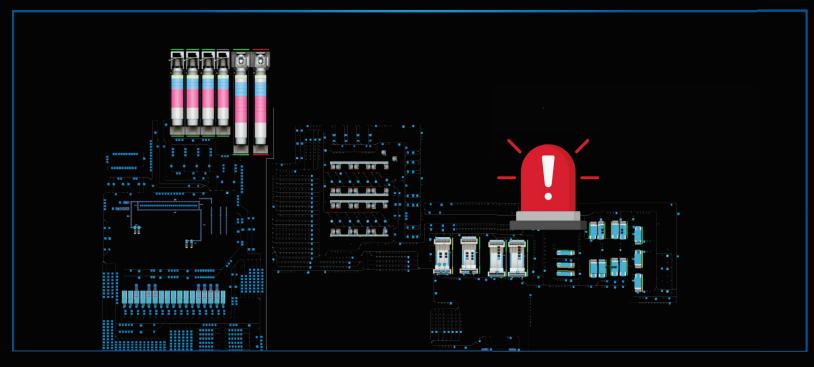










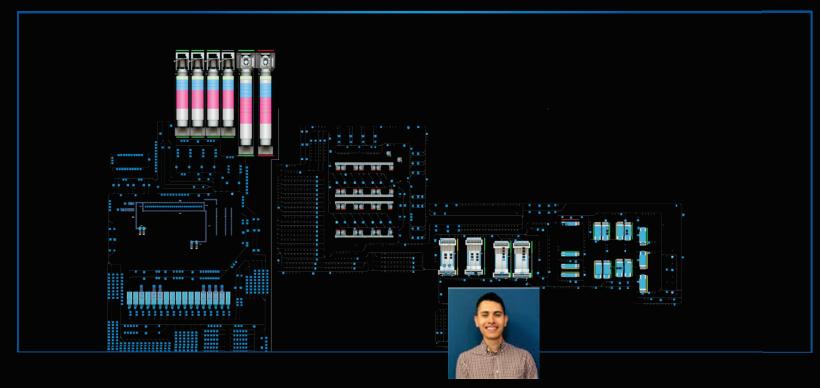




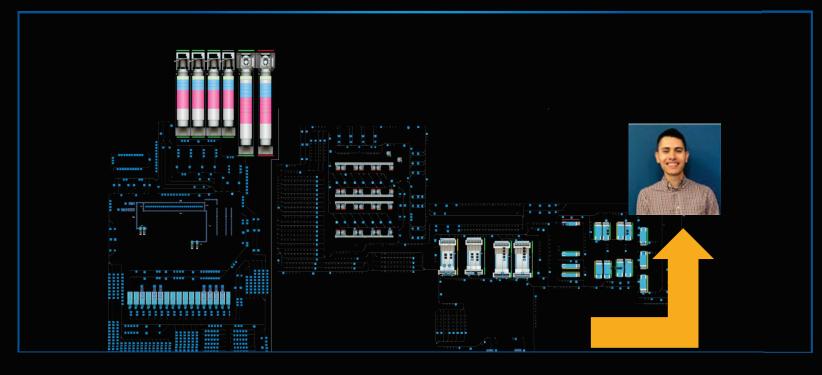








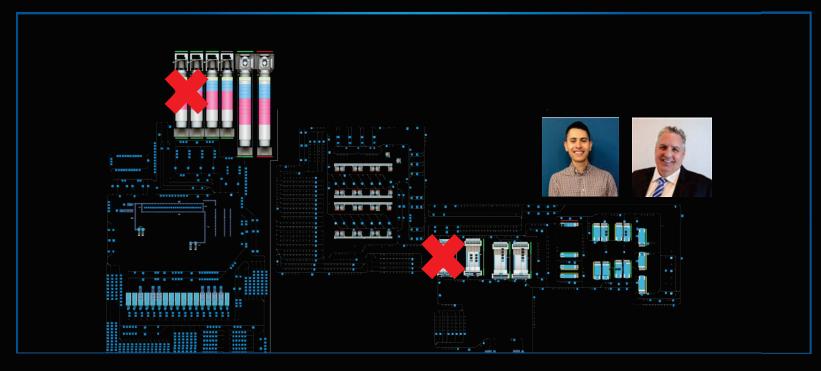




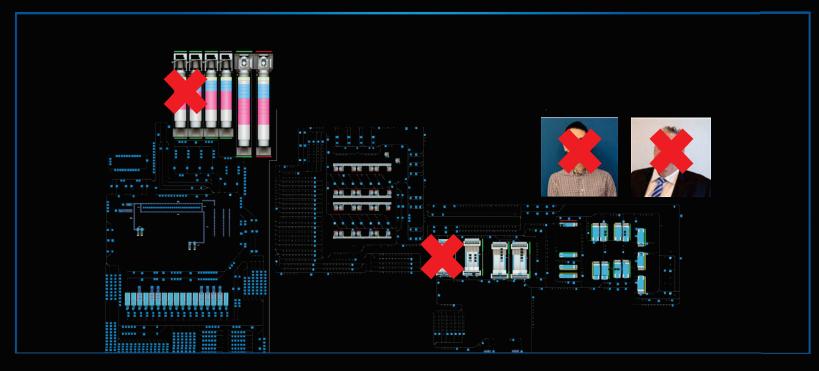






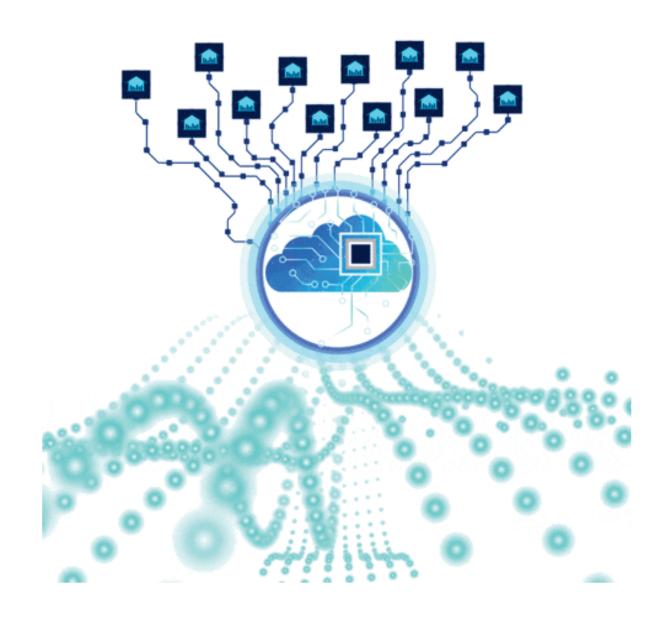


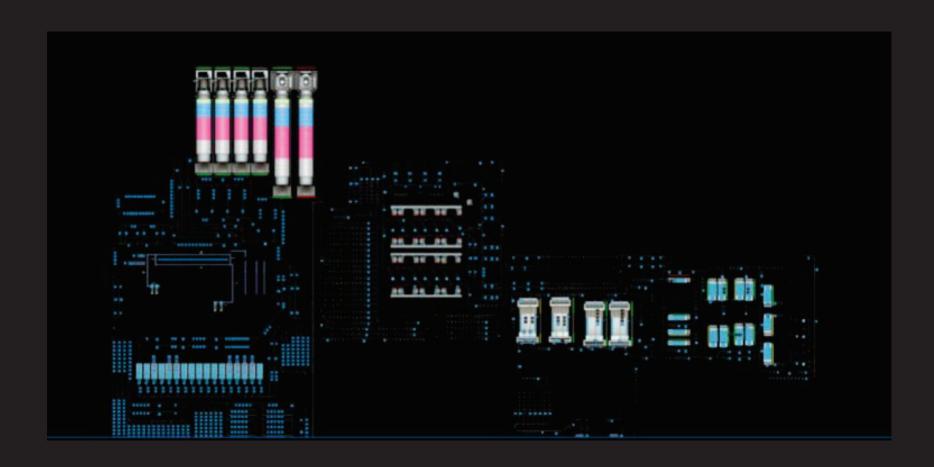
















Maximize People







XFM 2





Messages



March 18, 2024 7:10 PM





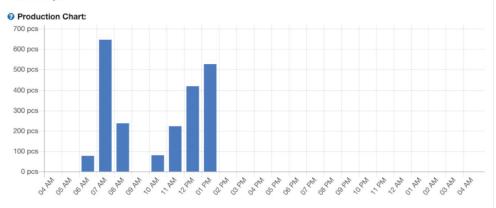
1 Transaction Details

× Close

▲ Efficiency -- Target: 80%. Current efficiency: 81

Trends Today -

Sum: 2212 pcs



Hour Sum: 1.79

Efficiency Avg: 60

O User Stats Table:

Name	Category	Hours	Hourly Rate	Target	Efficiency	Delay Time
Anahi Maximillian Howe	Luxury Towels	0.25	584	950	61%	0
Clare Donna Balistreri	Std Towels	0.53	583.02	950	61%	0



Tunnel 2

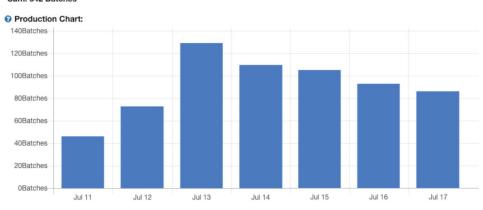
1 Transaction Details

x Close

▲ Efficiency -- Target: 85%. Current efficiency: 56%

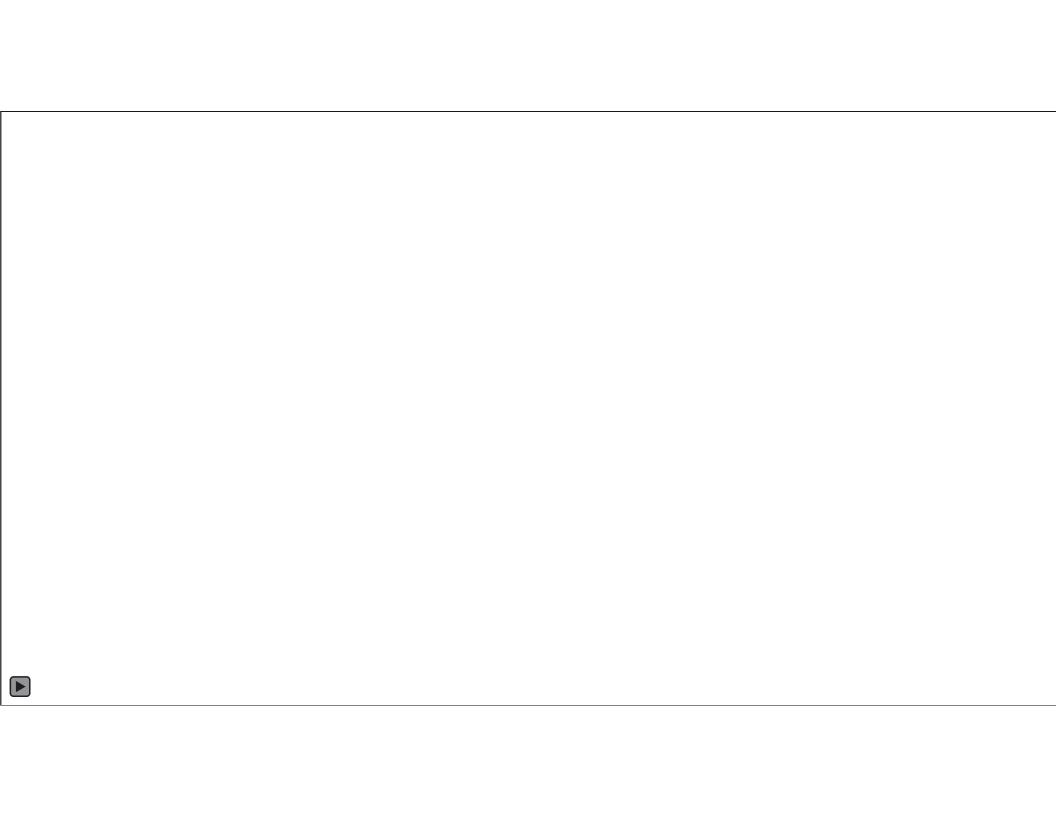
Trends 1 Week -

Sum: 642 Batches



Production By Category:

Category	#	Production	Percentage
Std Towels	10	170	26.5%
Flat Sheet - Std	22	103	16%
Std Pillowcase	6	56	8.7%
Luxury Towels	11	47	7.3%







Maximize People





Operator

Maintenance

Production







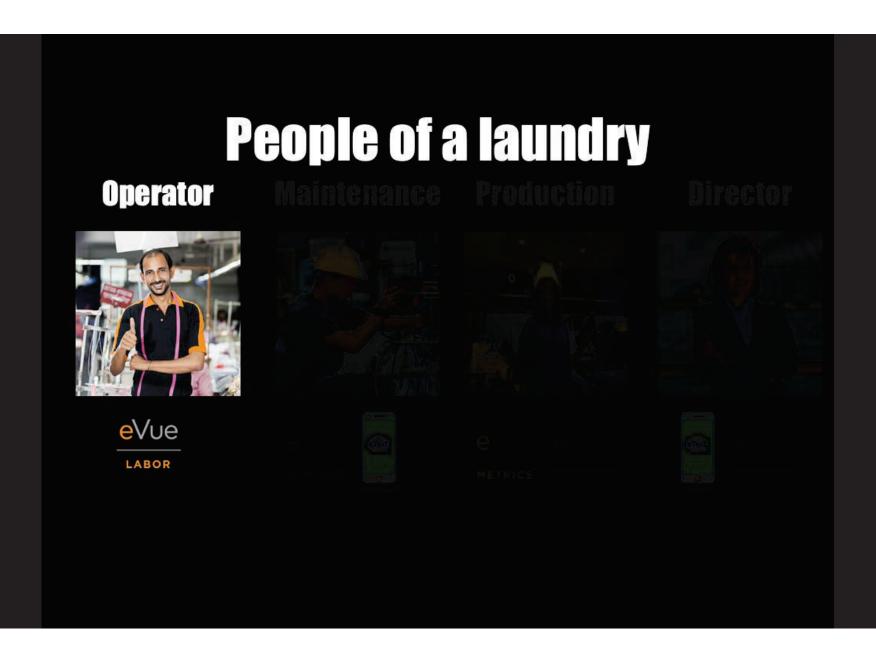






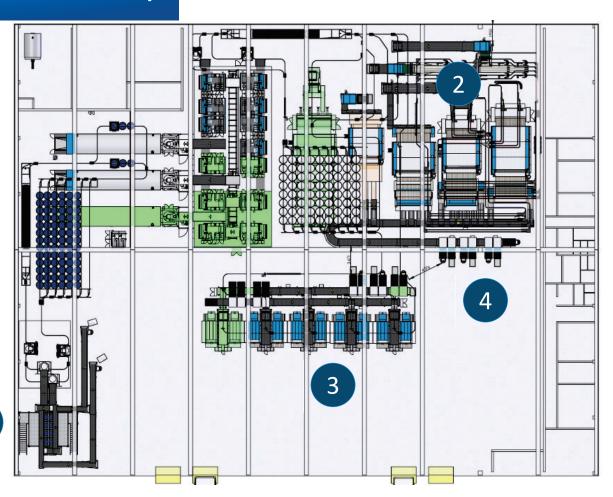




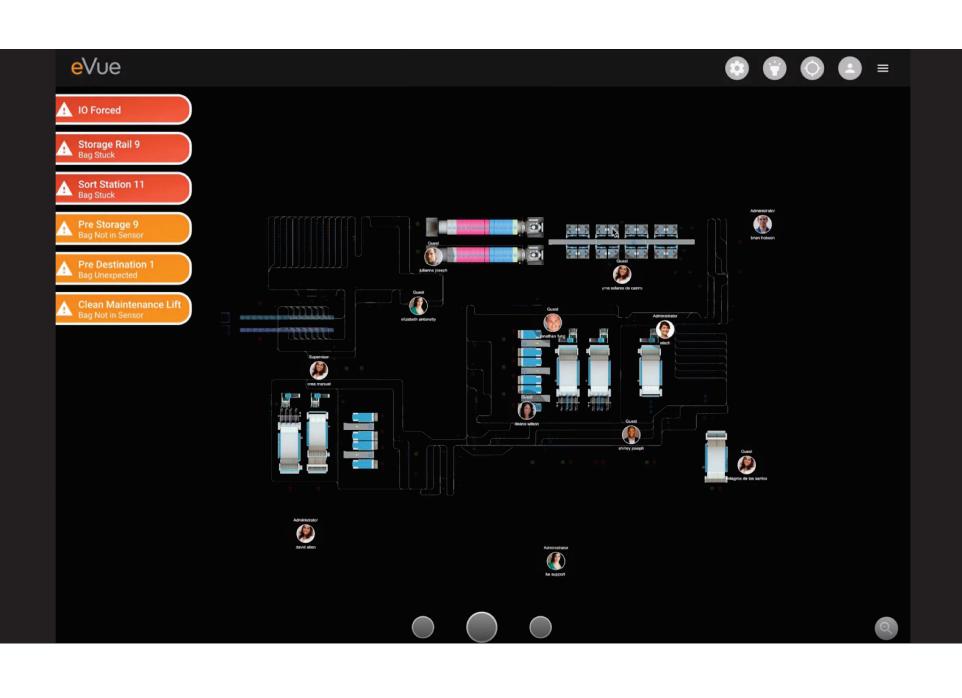


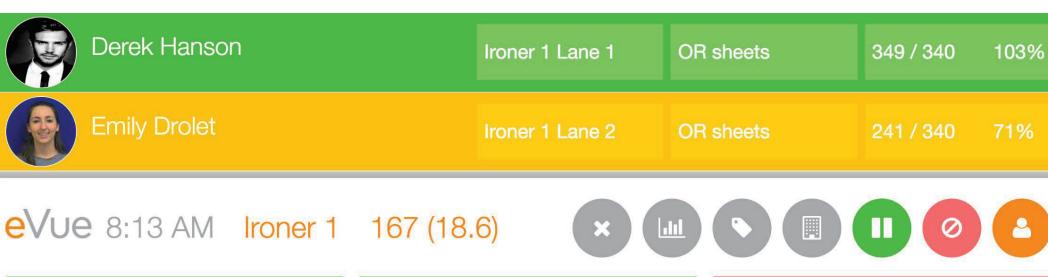
Areas with the most staff in the laundry

- (1) Soiled linen sorting
- (2) In front of the ironer lines
- (3) In front of the dry work folders
- (4) Stack handling and dispatch

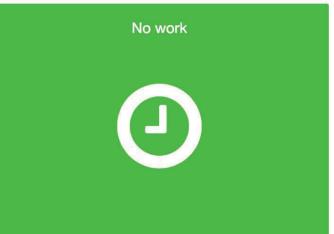


1











Operator

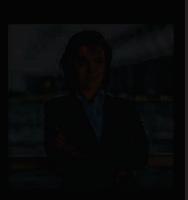
Maintenance

Production

















Operator

Maintenance

Production









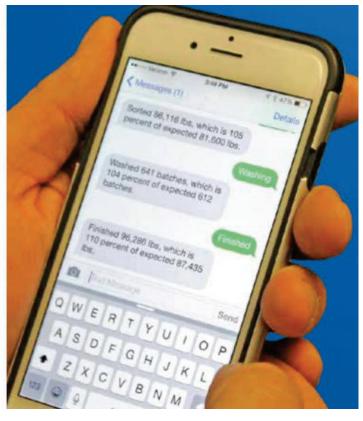


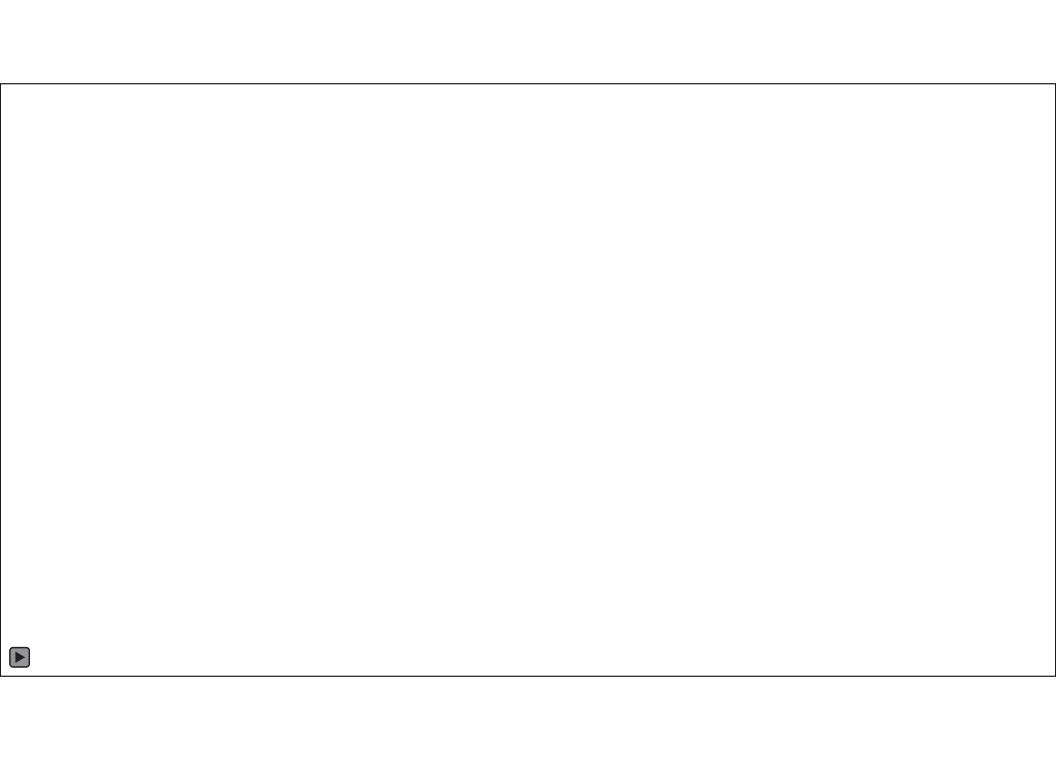


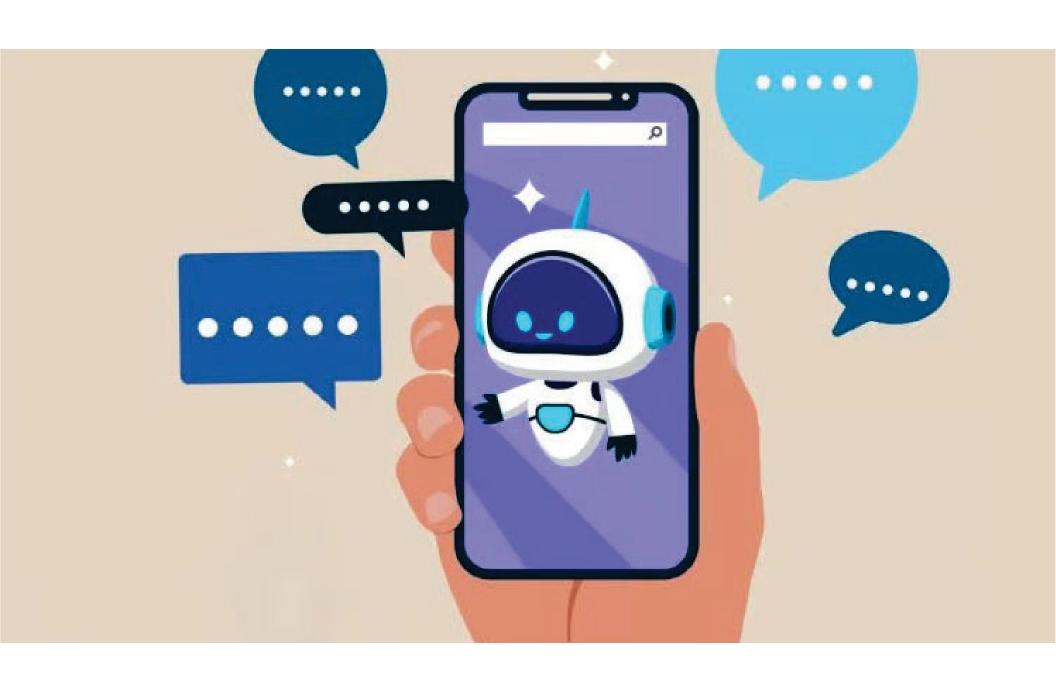




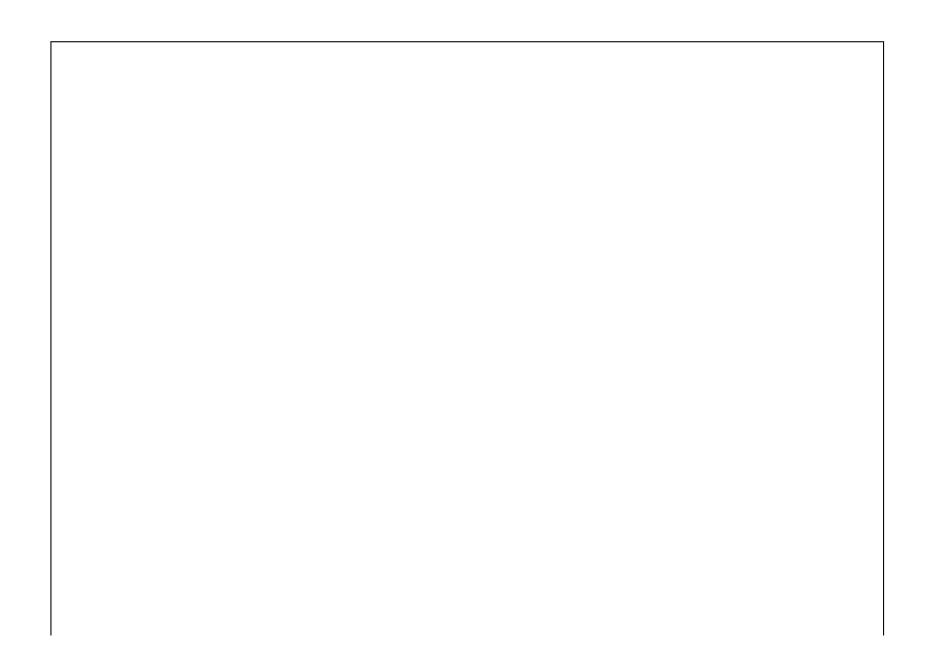












Operator

Maintenance

Production





















Maximize People









Maximize People









Playlist

Rock Classics & S Classic Rock from 60s, 70s, 80s and 90s. - Klassisk Rock

Rockmusik vi minns med världens bästa rocklåtar i en mix av klassiska låtar från legendarer som Queen, AC/DC, Toto, Journey, Led Zeppelin, KISS, Van Morrison, Black Sabbath, Tom Petty, Scorpions, David Bowie, Bruce Springsteen and more.

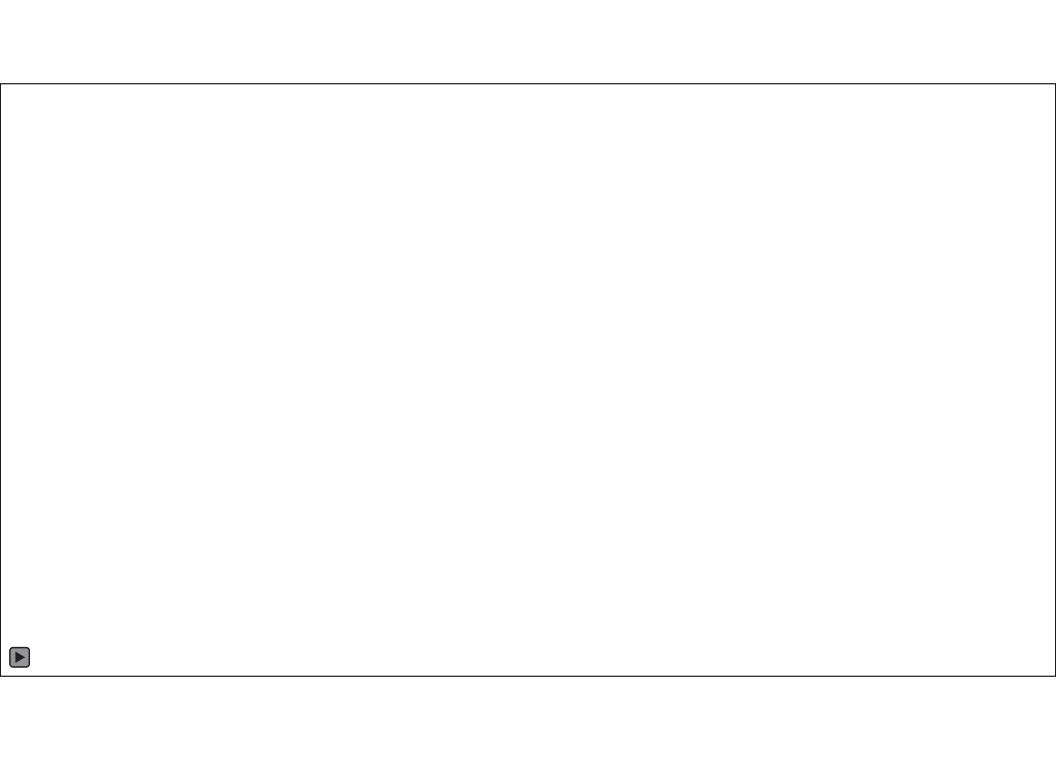
Digster Sweden • 4,736 likes • 200 songs, about 14 hr





List :Ξ

#	Title	Album	Date added	0
1	Another One Bites The Dust - Remastered 2011 Queen	The Game (2011 Remaster)	Dec 6, 2022	3:34
2	Smells Like Teen Spirit Nirvana	Nevermind (Remastered)	Dec 6, 2022	5:01
3	Enter Sandman Metallica	Metallica	Dec 6, 2022	5:31
4	We Will Rock You - Remastered 2011 Queen	News Of The World (Deluxe Remastered Version)	Dec 6, 2022	2:02
5	Heaven's On Fire KISS	Animalize	Dec 6, 2022	3:21
6	Three Little Birds Bob Marley & The Wailers	Exodus (Deluxe Edition)	Dec 6, 2022	3:00



One Person Making Most Important Decision In The Plant



No Control or Visibility
Send too much or little
Push instead of pull
Abandoned equipment
Reactive (Getting Yelled At)







Introducing eVue AUTOPILOT

A laundry is different every day, yet the industry standard for production scheduling is static production lists. These lists work initially, but soon become irrelevant and 75% of our customers turn them off. The laundry then resorts to manually selecting what to wash sling to sling, often by an untrained operator who now is making the most critical decision in the plant. This leads to sending too much or too little to clean equipment, backing up dryers, abandoned equipment, and most critically, the inability to meet the orders of the day. The laundry experts on the eVue team believed something better was possible.

Questions that eVue AUTOPILOT considers when making decisions:

- Do we need this to meet the afternoon orders?
- Is this a good decision for the clean equipment?
- Is it a good decision for the dryers?

eVue Autopilot automatically sequences production throughout the plant based on current demand and the real-time state of the system. It can integrate directly with the laundry's route accounting system to pull in real-time requirements and delivery information to achieve your daily order fulfillment goals.

MAXIMIZING THE PRODUCTION WORKFLOW THROUGHOUT THE PLANT

eVue Autopilot always makes the best decision for your plant. All laundries with eVue 6 are capable of getting eVue Autopilot, It is one of the more advanced applications to the eVue PRO subscription platform.







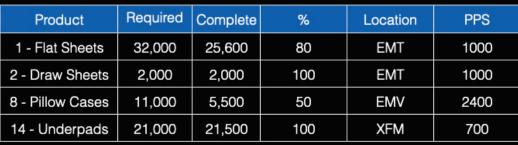
eVue AUTOPILOT KNOWS WHERE YOUR ITEMS ARE LOCATED THRUOUT THE LAUNDRY AND BUILDS AN ITEM SCORE BASED ON A RANK OF THE NEED TO FULFILL YOUR DAILY ORDERS.



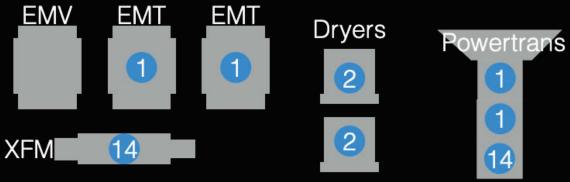
© 2020 KANNEGIESSER ETECH ALL RIGHTS RESERVED.







Soiled Storage
1 1 1
8 8 14

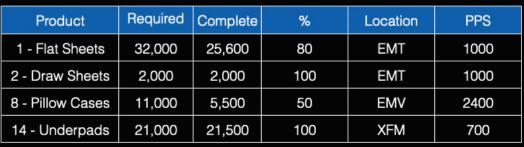


Eliminate Some Choices

Do I Need This?

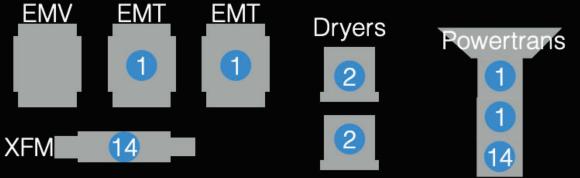
Is it a good fit for the clean side?

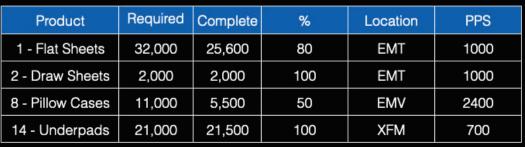
Is it a good fit for the dryers?



Soiled Storage

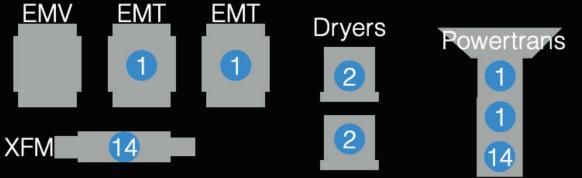
1 1 1
8 8 X





Soiled Storage

1 1 1
8 8 X4
X X X



eVue Autopilot



- 55

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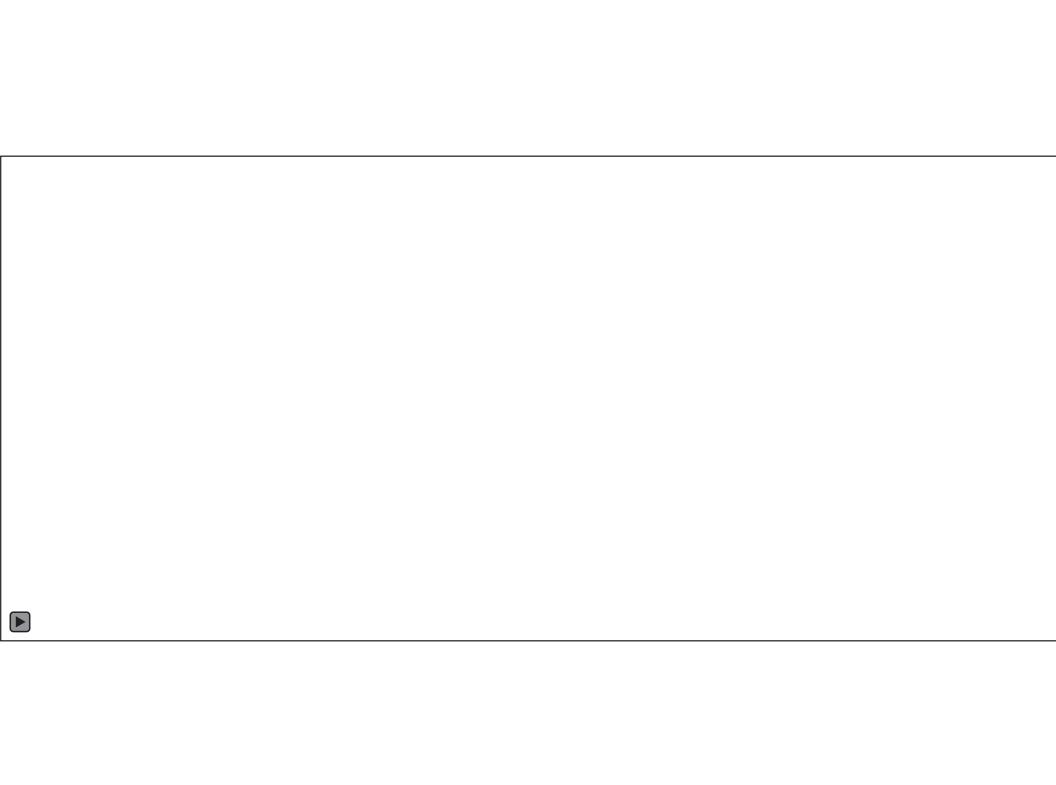
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DASHBOARD WASHERS ERP ASSIGNMENTS CATEGORIES CONFIGURATION

Sort Classifications RANKED BY NEED

Sort Classification	Image	AutoPilot Score	Soiled Storage	Washing/Drying	Finishing	Washed	Daily Requirement
DRAW SHEETS		1010 0101	8 SLINGS	() SLINGS	0 slings	503 LBS	1365 LBS
DRAW SHEETS ORDER FULFILLME By Route	ENT				RONERS 1 & 2 Available Work		
AUTOPILOT SCORE					3.4 AUTOPILOT SCORE HOURS OF V	6.0 VORK TARGET HOURS	
Route #0 Today							
105 / 105 lbs					_		
Route #3 Today							
225 / 225 lbs							
Route #0 Tomorrow							
173 / 562 lbs							
Route #4 Tomorrow							
0 / 75 lbs							
					_	Contour Sheet Flat Sheets	









Maximize People









Maximize People



Maximize Production Flow



Maximize Robots











with Robotics and Al