



# FIMMS

Factory Information Management System

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OBS

ODIUMBA BUSINESS SOLUTIONS

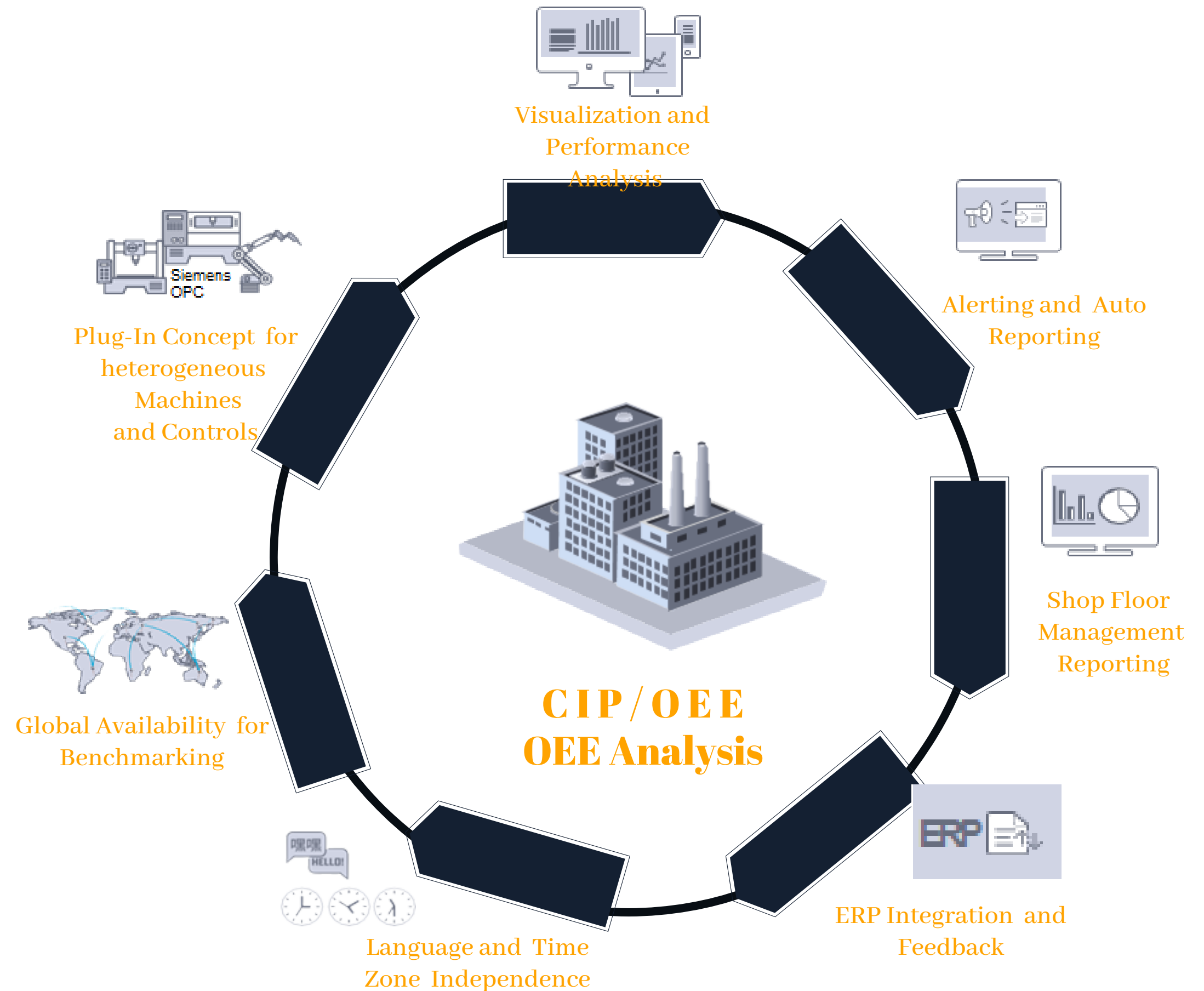


## FACTORY INFORMATION MANAGEMENT SYSTEM

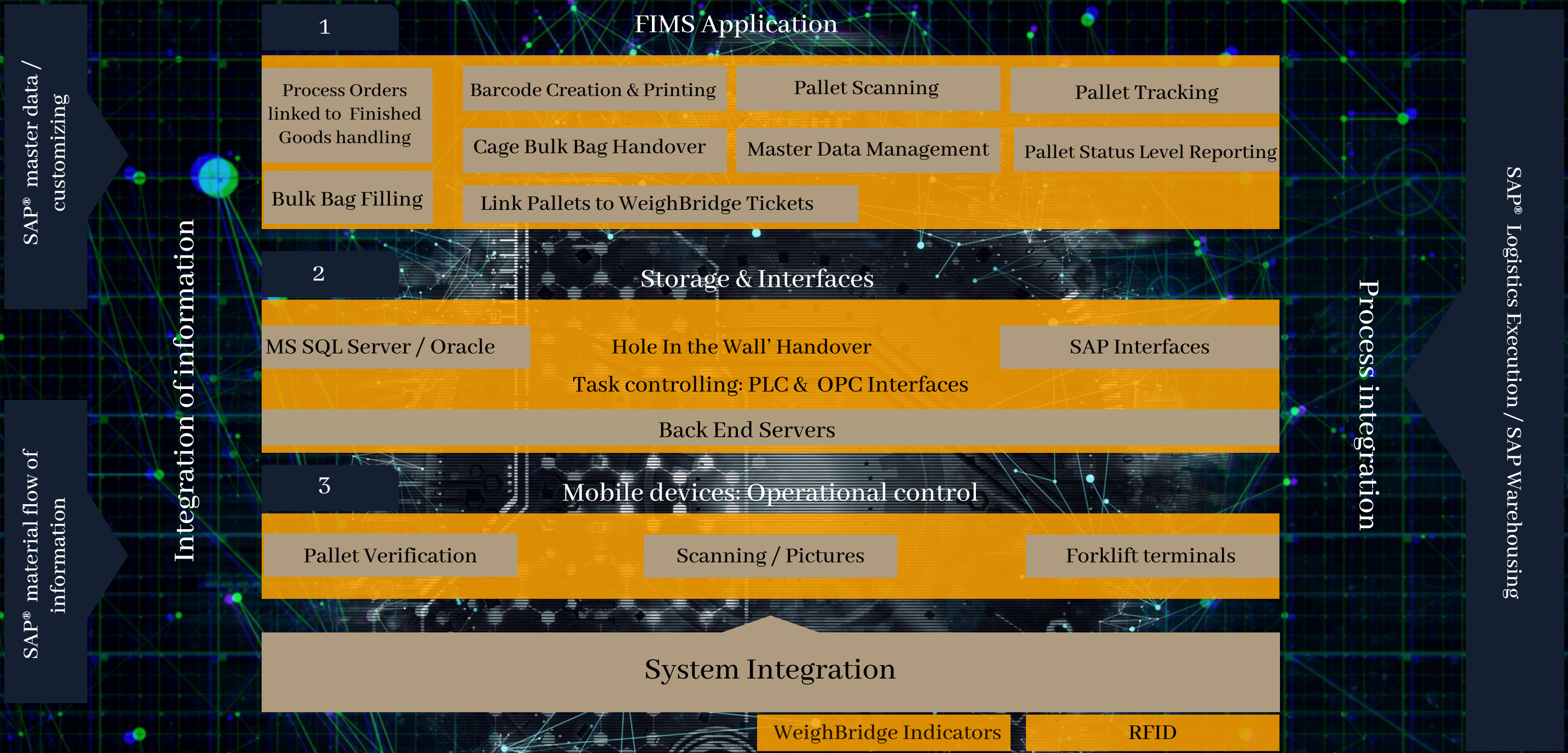
- Over 15 years of experience in material handling processes we consider ourselves experts in materials handling is an asset to each and every project.
- Keep it simple! Straight forward design and solid construction of materials handling systems comprise the FIMS systems core values - efficiency and high operation safety included. Flexible configuration and high compatibility are key benefits.
- FIMS System combines competence, creativity and energy to further develop internal logistics in every possible respect. This keeps efficiency and competitiveness on eye level with market requirements.



- The objectives of the FIMS system are to ensure appropriate investment in warehousing and designing a world class Transport and Outbound management system which includes traceability throughout the supply chain .
- The FIMS system is used by plants to record pallet information (goods produced), print labels and manage the transferring (integration) of this data to various ERP systems (ie. SAP).
- The FIMS system integrates tightly with engineering systems such as SCADA and PLC systems (ie Conveyors, Conveyor Sensors, Scanners etc)
- Automated pallet hand over and palletizing system.







SAP® master data /  
customizing

SAP® material flow of  
information

Integration of information

Process integration

SAP® Logistics Execution / SAP Warehousing

1

FIMS Application

Process Orders linked to Finished Goods handling	Barcode Creation & Printing	Pallet Scanning	Pallet Tracking
Bulk Bag Filling	Cage Bulk Bag Handover	Master Data Management	Pallet Status Level Reporting
Link Pallets to WeighBridge Tickets			

2

Storage & Interfaces

MS SQL Server / Oracle	Hole In the Wall' Handover	SAP Interfaces
Task controlling: PLC & OPC Interfaces		
Back End Servers		

3

Mobile devices: Operational control

Pallet Verification	Scanning / Pictures	Forklift terminals
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System Integration

WeighBridge Indicators	RFID
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Sub Module Machine Communication

- Seamless, real-time integration of heterogeneous machine controls
- Automatic collection, processing, storage and presentation of data
- Significant drop in manual reporting effort and likelihood of human error
- Support for all industry-standard control systems
- Plug-in connectivity for the following systems: Siemens, Allan Bradley

Sub Module Machine Communication

- Seamless connection of SAP ERP with the shop floor
- Easy installation without modifications to SAP standard configuration
- Significant reduction in SAP licenses needed
- Capture of order data, machine capacity, shifts and master data
- Shop-floor data fed back into SAP with time stamp
- Can also link to SAP HR and SAP PM





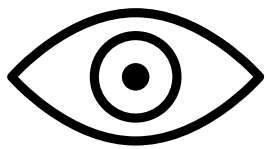
### Reporting

- Transparent performance reporting for optimized production
- Precise evaluations – down to the second – across multiple machines and production sites
- Evaluations for workplace, orders, materials and staff
- Real-time, workplace-based OEE reports
- Direct comparison of operational statuses and cumulated downtime reporting
- Administration of rights for user roles
- Time zone synchronization
  - Multi-lingual capability



### Alerts

- Alerts issued across sites for pre-defined events with escalations
- Automatic push to various channels (e.g. sms, email, text message)
- Variable rule for deadlines, set-up times and downtime thresholds, etc.
- Linking to automatic responses such as reports or file archiving



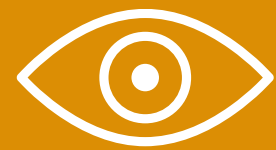
### Visualization

- Graphical representation of production status
  - Drill down from site views to individual machines
  - View live SAP transfer with analysis
  - Flexible interface design using drag and drop
  - Easy-to-build overview charts and customer dashboards
  - Import function for background images from all conventional graphic formats
- View PLC processes, pallet stacking, label scanning etc

Smart factories need smart data. In other words, meaningful real-time data presented in a user-friendly way. It's all about getting the right information at the right time in the right form. Giving operators immediate access to the information they need for their work increases safety and, as a result, productivity levels.

SAP Orders are automatically streamed from the ERP system and linked with production-related information from PLC systems. The Product Data Management submodule manages the flow of data while the DNC submodule stores and manages all NC programs as files. Based on freely definable key terms, the information is projected directly onto electronic production maps for each operator.





# SAP Warehouse Integration

Version 6

- Comments
- FIMS System
- PLC System
- User Action

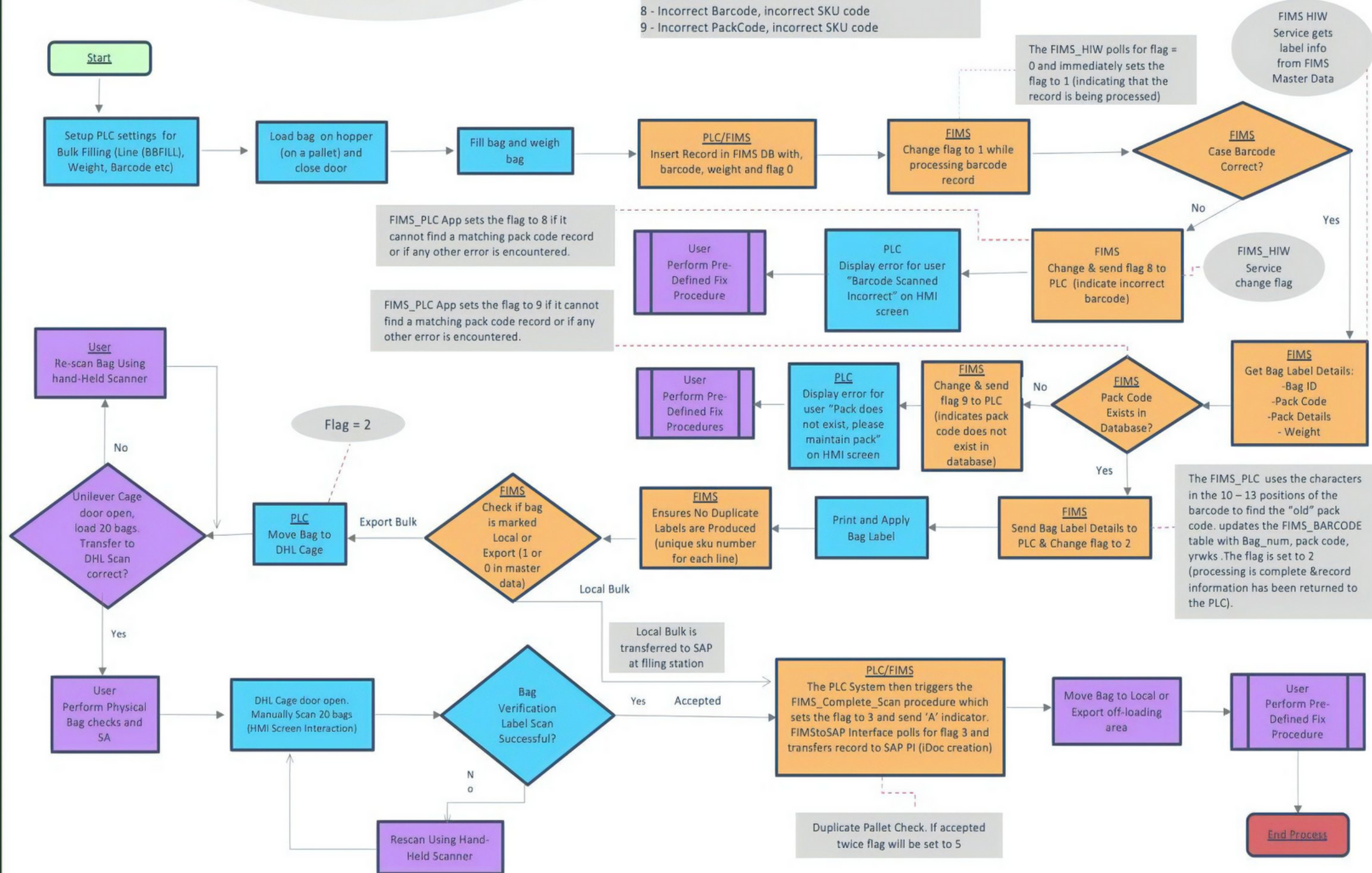
### What can go wrong?

- 1- Check if PLC can ping BBGSFIMS1 Server
- 2- Check PLC Control Systems connection to FIMS database
- 3- For invalid pack codes error on PLC check FIMS master data
- 4- PLC not receiving data check if FIMS\_HIW service is running on FIMS Server
- 5- DHL not receiving Bag data in SAP check if FIMtoSAP service is running on FIMS server

### FIMS Flag Description

- 0 - New scanned Bag record created FIMS\_HIW service
- 1 - Record is processed by FIMS\_HIW
- 2 - Bag ID is updated and Bag labeling operation OK and ready for hand-over station
- 3 - Bag accepted at hand over station (green button pressed)
- 4 - Bag rejected (red button pressed)
- 5 - Duplicate Bag
- 6 - Bulkbags Collected
- 7 - Other Error
- 8 - Incorrect Barcode, incorrect SKU code
- 9 - Incorrect PackCode, incorrect SKU code

## Powders BulkBag Handover Process







# FIMS Management

Machine Devices Help  
FIMS  
File Services Production Reporting Window Help

**Admin**

- User Maintenance
- Pack Code Maintenance**
- Pack Code Sizes
- Pack Code Line Maintenance
- Barcode Pack Maintenance
- Material Groups
- Shift Maintenance

**Production Line**

- Unilever Cage
- DHL Cage
- Cage Recovery

**Services**

- SAP Transfer
- Hole In The Wall

**Reporting**

- FIMS Reports

**Application Maintenance**

- Security

**Pack Code Maintenance**  
Date: 17-Nov-2014  
Page: 1 of 30

Code	Description
0280	Breadcap
0001	unknown
0002	unknown
0203	Marvello FFS
0203 L5	Marv FFS 500g Marg L
0205	Marv Yellow (12.5kg)
0210	Golgbake Summer
0212	Marvello FFS Retail
0216	Marvello MFS
0217	Marv White Summer
0219	Eros (25kg)
0220	Rama Bulk (25kg)
0224	Ekko Ind Winter
0231	Bakene (25kg)
0251	Planto Summer(25kg)
0254	Vegcap 25Kg
0280	Breadcap (25kg)
0284	Vegcap Summer (25kg)
0358	Silkit 41 (25kg)

**Insert** **Delete**

Sap Transfer Ver 2.0, BB

Log Date	Docno	Pallets	Cases	Status
2016-09-02 19:05:25	6770061989	1	1	send to sap
2016-09-02 19:08:35	6770061990	1	1	send to sap
2016-09-02 19:17:42	6751754845	1	27	send to sap
2016-09-02 19:18:04	6751754846	1	24	send to sap
2016-09-02 19:18:27	6751754847	1	27	send to sap
2016-09-02 19:18:49	6751754848	1	24	send to sap
Totals:		1574	36819	

Polling every: 10 seconds    Currently: Waiting...

**Pallets Per Hour**

Start    Stop

FIMS HIW v7.1FIMS

**Actions**

Line	Processed Date	Barcode	Cases	Pallet Number	Flag	Description
DSPLINE07	2016-09-02 19:15:52	16001087005453	27	6751754851	2	Sunlight tropical2
DSPLINE07	2016-09-02 19:15:11	26001087366322	24	6751754850	2	SWP Tropical 6x3
DSPLINE07	2016-09-02 19:14:32	16001085121254	27	6751754849	2	Sunlight flx 2kg
DSPLINE01	2016-09-02 19:12:37	26001087359188	18	6701567898	2	SWP Tropical 500
BBFILL	2016-09-02 19:07:13	00002453	1	6770061990	3	Sunlight Bulk
DSPLINE07	2016-09-02 19:06:48	26001087366322	24	6751754848	3	SWP Tropical 6x3
BBFILL	2016-09-02 19:04:09	00002453	1	6770061989	3	Sunlight Bulk
BBFILL	2016-09-02 19:01:18	00002453	1	6770061988	3	Sunlight Bulk
DSPLINE07	2016-09-02 19:01:15	16001087005453	27	6751754847	3	Sunlight tropical2
DSPLINE07	2016-09-02 18:58:41	26001087366322	24	6751754846	3	SWP Tropical 6x3

Service

Start

Stop

**LOAD RECEIPT**

Date: 02 September 2016    **Local E**  
Time: 19:22:28    **Unile**

Truck Ticket No:

Line	Date Time	Pallet N
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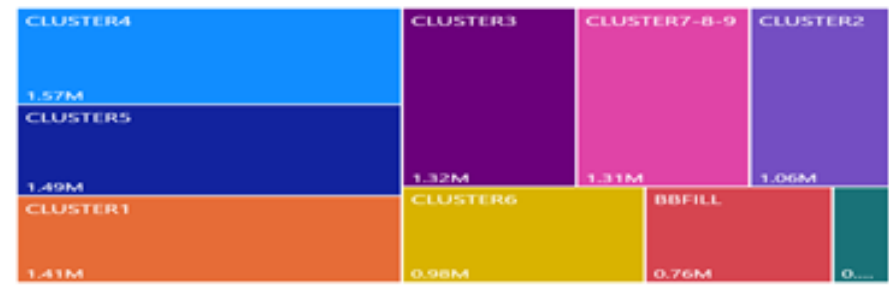
**INTERFACE RUNNING**



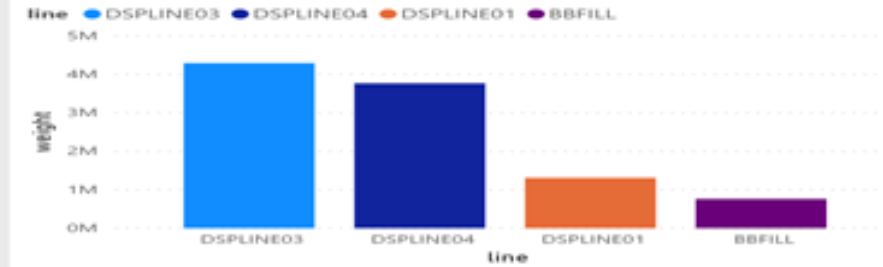


# BI Dashboard

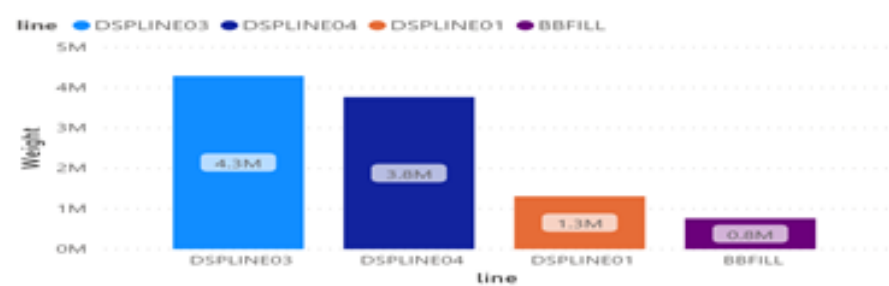
Weight by Cluster (kg)



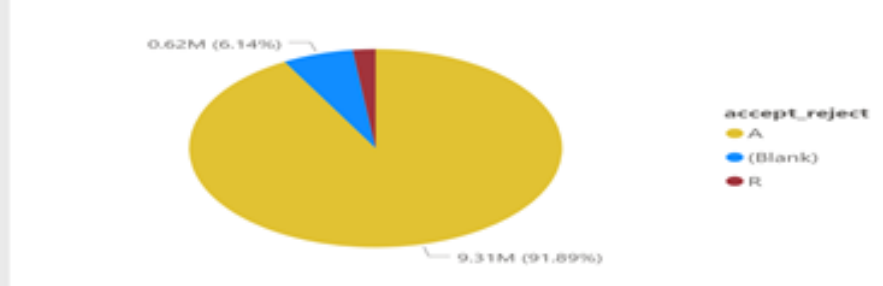
weight BY LINE



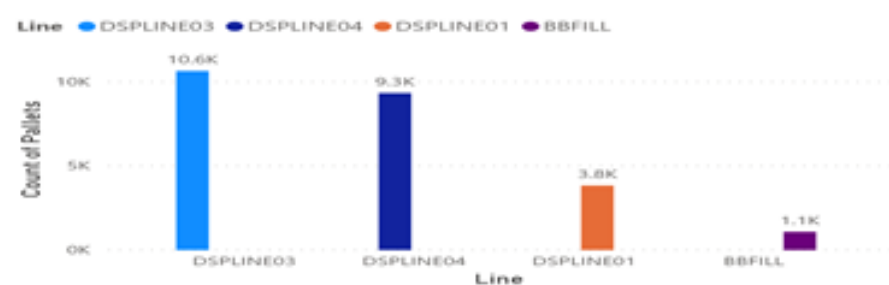
Weight per Line (kg)



Weight for Accpeted\Rejected Pallets (kg)



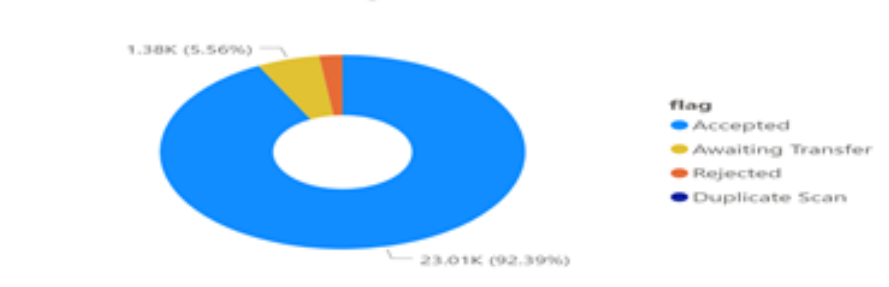
Count of Pallets/Bags for each Line



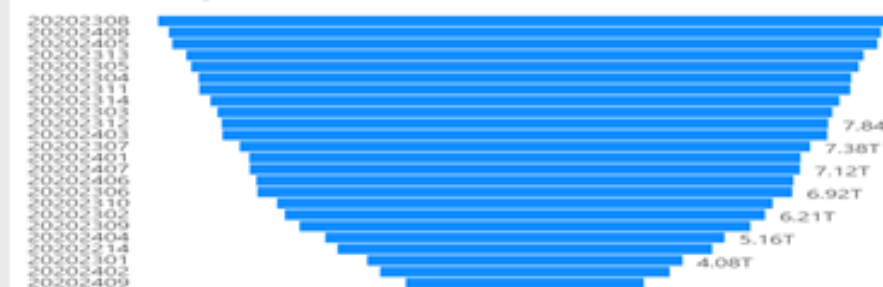
Weight produced per Cluster (kg)



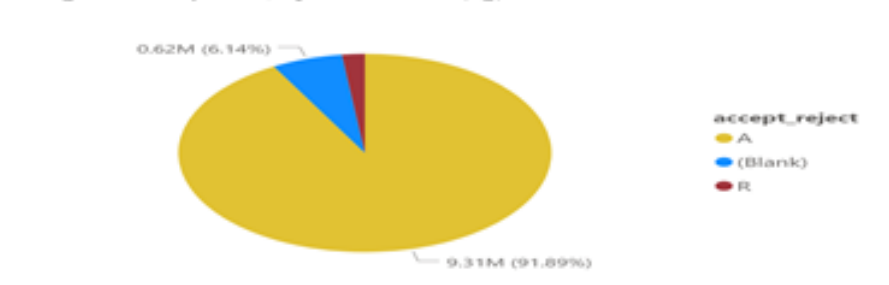
Number of Pallets for each flag



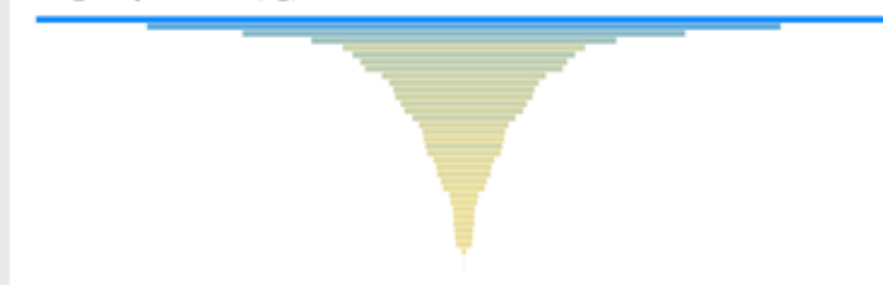
Best Performing Shift (Pallet Count)



Weight for Accpeted\Rejected Pallets (kg)



Weight by Product (kg)







# Mobile App (Reject Process)

FIMS Pallets Check

Scan Picture Save Close

Pallet Num:

User Id: DHL-Staff

Description:

- Open Flaps
- Damaged Pallet
- Label Print Error
- No Label
- Damaged Goods
- Incorrect Packing
- Overlapping
- Missing Label On Pallet
- Insufficient Stretchwrap
- Base Overhang/ Poor Stacking

Description

Sync

FIMS

File Services Production Reporting Window Help

Admin

- User Maintenance
- Pack Code Maintenance
- Pack Code SAP Weight Transfer
- Pack Code Sizes
- Pack Code Line Maintenance
- Barcode Pack Maintenance
- Material Groups
- Shift Maintenance
- Reject Mobile Report

Production Line

- Unilever Cage
- DHL Cage
- Cage Recovery
- Local BulkBags

Services

- SAP Transfer
- Hole In The Wall
- Stoppages Report

Reporting

- FIMS Reports

Application Maintenance

Reject Report

Pallet Num	User Id	Description	Date Time
6702406789	DHL-Staff	Damaged Goods	01-12-2020 11:07:56
6790414453	DHL-Staff	Overlapping	01-12-2020 10:51:10
6780470653	DHL-Staff	Overlapping	01-12-2020 10:48:29
6790414447	DHL-Staff	Incorrect Packing	01-12-2020 10:38:43
6780470645	DHL-Staff	Overlapping	01-12-2020 10:26:22
6780470642	DHL-Staff	Damaged Goods	01-12-2020 10:24:57
6780470636	DHL-Staff	Damaged Goods	01-12-2020 10:19:14
6780470631	DHL-Staff	Damaged Goods	01-12-2020 09:54:05
6780470625	DHL-Staff	Damaged Goods	01-12-2020 09:48:10
6780470623	DHL-Staff	Base Overhang/ Poor Stacking	01-12-2020 09:44:20

Pallet Num: 6780470631

User Id: DHL-Staff

Description: Damaged Good

Date Time: 01/12/20 09:54

Save Close



# THANK YOU



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