

**RFgen**

# Mobile Digital Warehouse Transformation

»»» For SAP Customers



## Presented by



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- Agenda
- Digital Inventory Transformation
- Digital Inventory in Action
- RFgen for SAP
- Q & A





# Digital Inventory Transformation

What's driving customer behavior.



*According to RFgen's 2022 Digital Inventory Report:*

**40%** say **inaccurate data** is one of their biggest challenges.

# Operational Challenges



Poor Inventory Visibility



Slow Paper Processes



Poor Inventory Accuracy



Customer Expectations  
Amazon Effect



Audits for Compliance  
and Traceability



Pandemic Labor Force  
and Inventory Shortages

# Technology Shifts



Major Mobile Device  
OS Shift



The Cloud



Pandemic Remote  
Work



Security Risks



IoT, RFID, Robotics  
(Human Replacement)



Transition to S/4HANA  
& EWM

*According to the 2022 Digital Inventory Report:*



**89%**

say **data security** is extremely  
important in their inventory operations.

# ● The ROI of Digital Inventory



Accuracy



Speed



Reliability



Cost

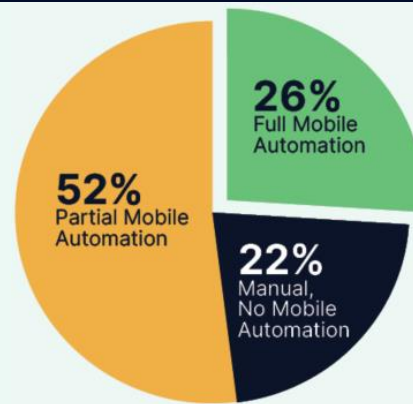


Flexibility

## ● Automation is Key

The mobile automation journey ranges from manual systems to fully functional mobile automation and every point in between.

*According to the 2022 Digital Inventory Report:*



But only **16%** feel their company's mobile systems are sufficient for their current needs.



# ● Mobile Data Collection: The Fuel For Automation

The ERP is the brain and where you store all the information.



Digital inventory records are like the nervous system.



# Where are you?

## The Digital Inventory Continuum

1  
Manual  
Not Organized,  
Paper Based, Not  
in good system



2  
ERP or System  
Based but Paper  
Driven



3  
Mobile Barcoding  
for Data  
Collection  
integrated with  
system



4  
Mobile Barcoding  
+  
System  
Direction  
+  
Process  
Automation



5  
Cloud ERP /  
Cloud Mobile  
Data Collection



6  
Offline Mobile  
Barcoding and  
Continuous  
Availability



7  
Mobile Barcoding  
+  
System Direction  
+  
Process  
Automation  
+  
RFID  
+  
Machine Integration  
/ IoT



8  
Mobile Barcoding  
+  
System Direction  
+  
Process Automation  
+  
RFID  
+  
Machine Integration / IoT  
+  
Augmented Reality  
+  
Robots (human replacement)





# Digital Inventory in Action

# Graphic Packaging



**\$6.5B**

International manufacturer of paper-based packaging

**18K**

Employees

**25+**

Sites deployed RFgen

**1.5M**

Manufacturing and inventory transactions per month

**1,500+**

RFgen users

- Using RFgen Mobile Apps for Manufacturing Goods Issues, Confirmations, Reversals, Bin Transfers, Time Entries, Low-code Development
- RFgen Continuous Availability enables barcode data collection to continue during SAP offline events.
- Enterprise deployment in the U.S. and Canada to 25+ complex manufacturing sites in less than 1 year.
- 1,500+ RFgen users with expansion into Europe in near future.

# Rich Products Company (RPC)

\$4B

Food company

25+

Manufacturing and  
warehousing sites



- RFgen, Rich and SAP worked together to build a new SAP RFgen based core manufacturing and distribution model to support full traceability for their farm to fork corporate strategy.
- Replaced manual processes and old barcoding systems with RFgen.
- Created new foundation for future and are in the process of rolling out to all sites globally.

## Proven Success for SAP Customers



300+ SAP  
Customers

ECC & S4/HANA  
IM, WM, EWM





# RFgen for SAP



# What we do?

## Mobile Barcoding and Extend SAP Digital Inventory



Inventory Management



Manufacturing Automation



Warehouse Management



Maintenance & Field Mobility

# Pre-built SAP Mobile App Template Examples (100+)



<p><b>Inventory Management Suite</b></p> <ul style="list-style-type: none"> <li>○ Change Bin Location</li> <li>○ Cycle Count</li> <li>○ Customer Pickup</li> <li>○ Inventory Adjustment</li> <li>○ Issue to Cost Center</li> <li>○ Issue to Project</li> <li>○ Issue to Scrap</li> <li>○ Direct Issue to GL Account</li> <li>○ Issue to Reservation</li> <li>○ Inventory Reclass</li> <li>○ Inventory Transfers</li> <li>○ Material Number Conversion</li> <li>○ Location Inquiry by Material</li> <li>○ Material Inquiry by Location</li> <li>○ Reverse Goods Movement</li> </ul>	<p><b>Purchase Order Processing Suite</b></p> <ul style="list-style-type: none"> <li>○ Receipts by Material</li> <li>○ Receipts by Line</li> <li>○ Inquiry by Material</li> <li>○ Inquiry by Line</li> <li>○ Inquiry by Open Status</li> </ul>	<p><b>Sales Order Suite</b></p> <ul style="list-style-type: none"> <li>○ Pack Confirmation</li> <li>○ Pack Delivery</li> <li>○ Pick Confirmation</li> <li>○ Update Shipment Status</li> <li>○ Pick by Delivery</li> <li>○ Inquiry by Delivery</li> <li>○ Inquiry by Material</li> <li>○ Ship Confirmation</li> </ul>	<p><b>Warehouse Management Suite</b></p> <ul style="list-style-type: none"> <li>○ Cycle Count</li> <li>○ Transfer Confirmation</li> <li>○ Bin Inquiry by Material</li> <li>○ Material Inquiry by Bin</li> </ul>	<p><b>Plant Maintenance Suite</b></p> <ul style="list-style-type: none"> <li>○ Create Notification</li> <li>○ Create Order</li> <li>○ Issue to Maintenance Order</li> <li>○ Modify Notification</li> <li>○ Inquiry Notifications</li> </ul>
	<p><b>Production Order Processing Suite</b></p> <ul style="list-style-type: none"> <li>○ Component Scrap</li> <li>○ Issue to Production Order</li> <li>○ Operation Confirmation</li> <li>○ Inquiry by Material</li> <li>○ Order Confirmation</li> </ul>		<p><b>Fixed Asset Management Suite</b></p> <ul style="list-style-type: none"> <li>○ Asset Inquiry</li> <li>○ Issue to Asset Number</li> </ul>	<p><b>Human Resources Suite</b></p> <ul style="list-style-type: none"> <li>○ Clock In/Out</li> </ul>



# Pre-built EWM Mobile Apps

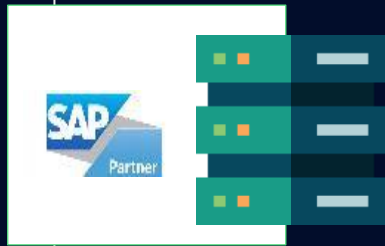
## EWM Mobile App Templates

- Manual Inventory Counting
- Guided Inventory Counting
- Create Handling Unit Warehouse Task
- Confirm Handling Unit Warehouse Task
- Issue to Production
- Picking by Work Order
- Guided Picking by Work Order
- Production Receipt
- Production Putaway

Available on the  
**SAP App Center**

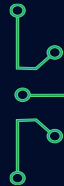


# RFgen + SAP Automation Integration & Tech Stack



## SAP can be

- On-premise or Cloud
- ECC or S/4HANA
- IM, WM or EWM
- Just need RFC access
- Nothing installed inside of SAP



## RFgen can be delivered

- SaaS As-a-Service hosted and managed by RFgen
- SaaS On-premise run by customer or managed in a 3<sup>rd</sup> Party Cloud
- Mobile Devices: Windows, Android, iOS
- Robots, AGVs, RFID connectivity
- RFgen supports virtually any device type with one app build

# Top Reasons SAP Customers Call RFgen

1.

We tried to implement a different mobile barcoding tool with SAP but it didn't work.

2.

Our operation needs mobile devices to work offline without WIFI and sync back to SAP.

3.

Our warehouses and manufacturing sites need to keep scanning and processing inventory if the connection to SAP gets interrupted and then sync back with SAP.

4.

The SAP process takes too many screens and we need to streamline the process.

5.

We need to quickly modify the mobile SAP apps to match our business needs.

6.

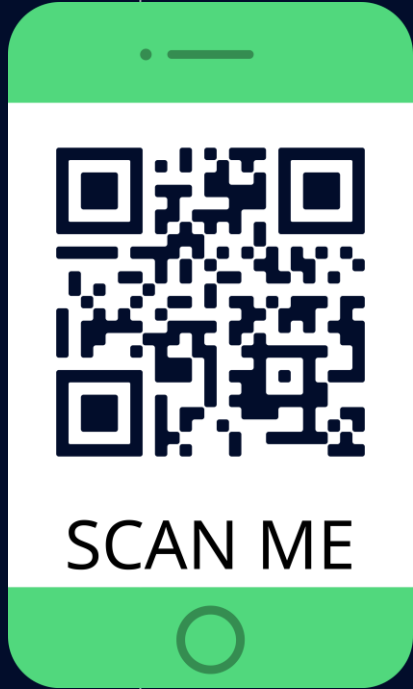
We want our mobile solution for SAP to work natively on all types of mobile devices. Old or new. iOS, Android or Windows. Phones, industrial or tablets. We don't want to buy a special browser.

7.

We have an immediate need for mobile barcoding with SAP and we need the system ready to go live in less than 90 days.



**300+ SAP Customers**  
ECC & S4/HANA, IM, WM, EWM



# Thank You!

## Any Questions?

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