

How a Utility Customer Developed Fiori Apps on SAP BTP

Alok Pant
CEO- Unvired Inc.

Agenda

- Introduction to Unvired
- What are SAP Fiori Apps?
- Advantages of SAP Fiori Apps
- Why Custom Fiori Apps
- System Landscape
- Customer Case Study- WEL Networks
- Lessons Learned
- Questions & Answers



Image Courtesy: SAP

About Unvired

- Unvired is an [SAP certified Partner company](#) based in Houston, Texas.
- **Solutions:** Enables Digital Transformation for Connected Worker
 - ✓ SAP Mobile Asset Management: Operator Rounds (Inspections), Notifications, Work Orders, and Inventory/Warehouse Management.
 - ✓ [SAP Fiori Custom App Development & Standard Fiori apps](#)
 - ✓ Turbo Forms: Mobile/Digital Forms Automation
 - ✓ Turbo Apps: Low Code App Development Platform
 - ✓ **Customer Base:** USA, Canada, Latin America, Europe, S. Africa, New Zealand, and Australia.
- **Key Differentiators:** Happy reference customers, cost leadership, remote implementations, flexible, and SAP-certified status.



Recognition

2015

Featured in Gartner Report

Rapid Mobile Application Development, 2015

2019

Gartner Magic Quadrant report

Mentioned in Gartner Magic Quadrant report 2019, for Multi-Experience development.

2020

Featured on Innovation Map

Featured On Houston based Innovation Map Center As Innovator

2021

Re-certified by SAP

Re-certified by SAP for Integration with SAP S/4HANA and SAP ECC.

2022

Featured in 451 Research

Published Impact report on Unvired Turbo Apps for Low-Code App Development

2022

The Constellation-SuperNova Award

Unvired customer Samson Rope was named a finalist for the constellation's SuperNova Award for Next-Gen Customer Experience for Unvired Inspection App built using AR.

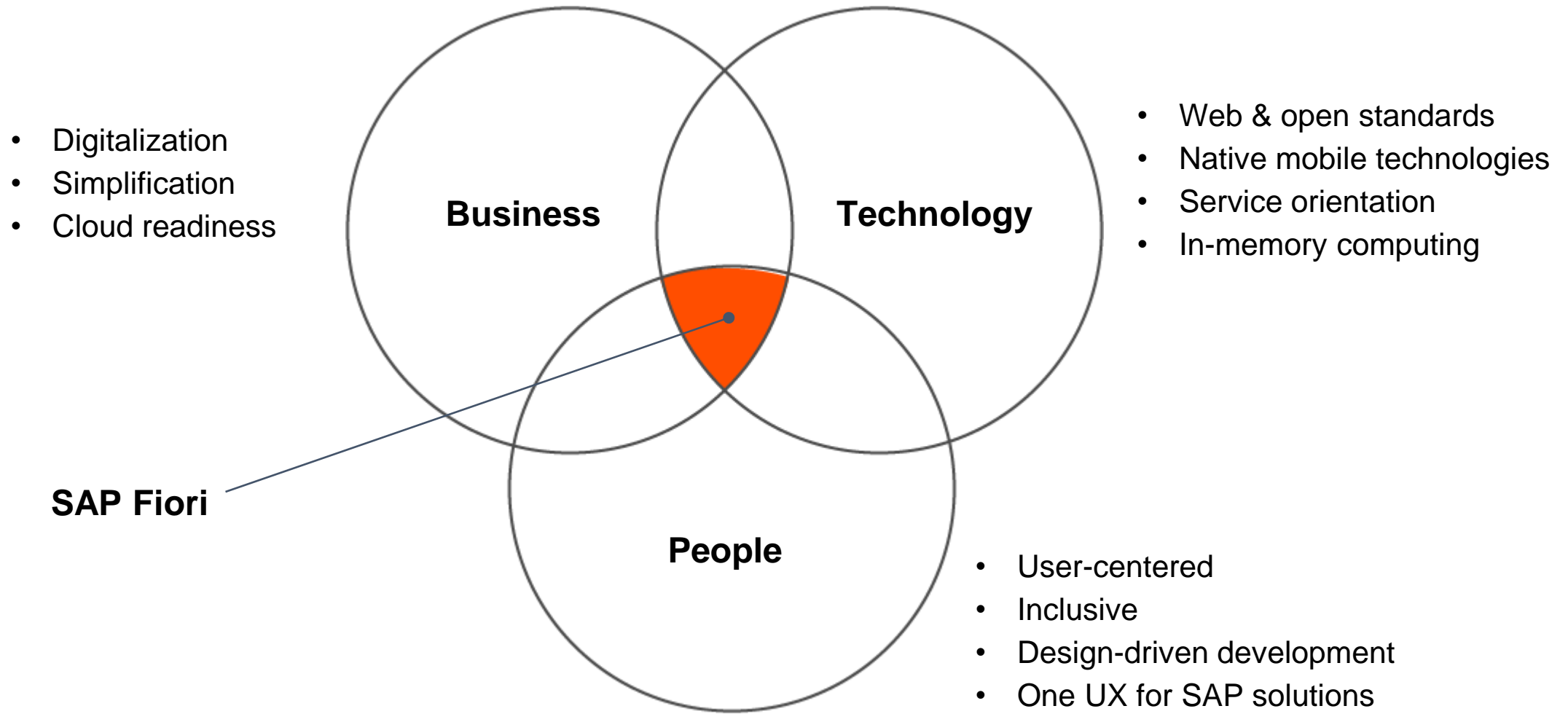
2022

IDC Future Enterprise Awards

Unvired customer Samson Inc. was named a runner-up in IDC's Best in Future of Customer Experience North America Awards Unvired Inspection App built using AR.

What are Fiori Apps?

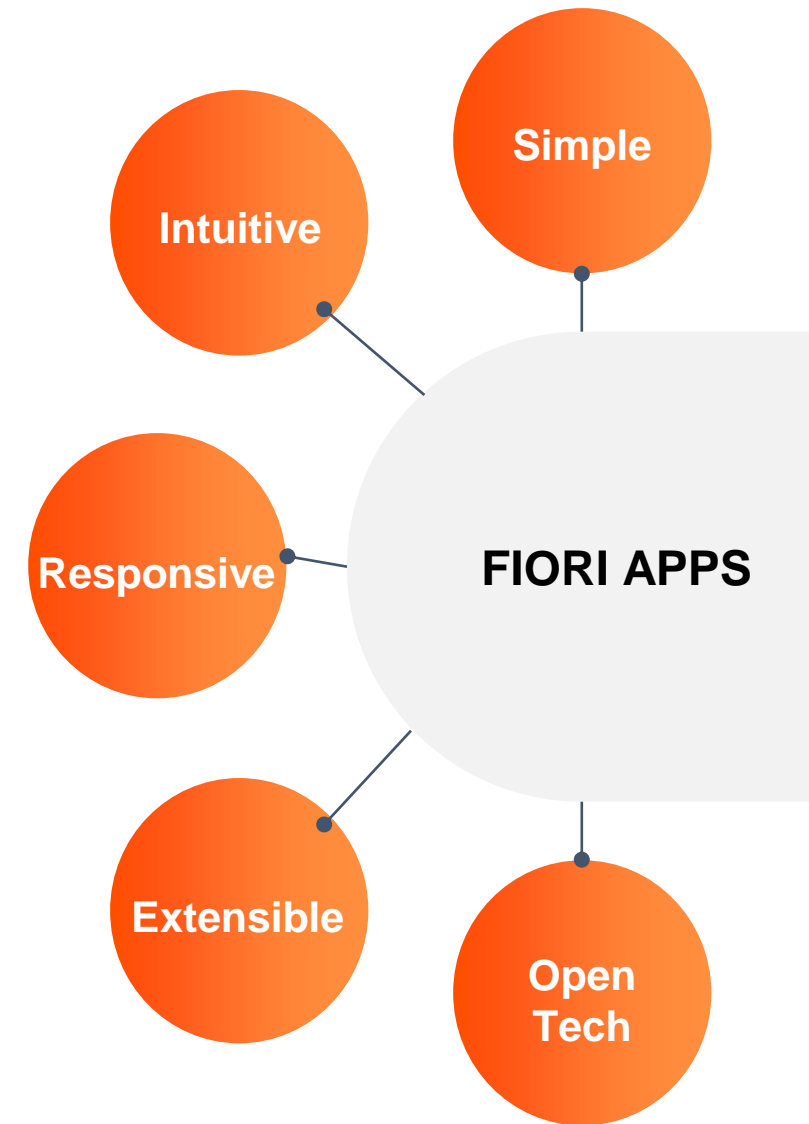
Applications that enable users to consistently & efficiently conduct business using open technologies.



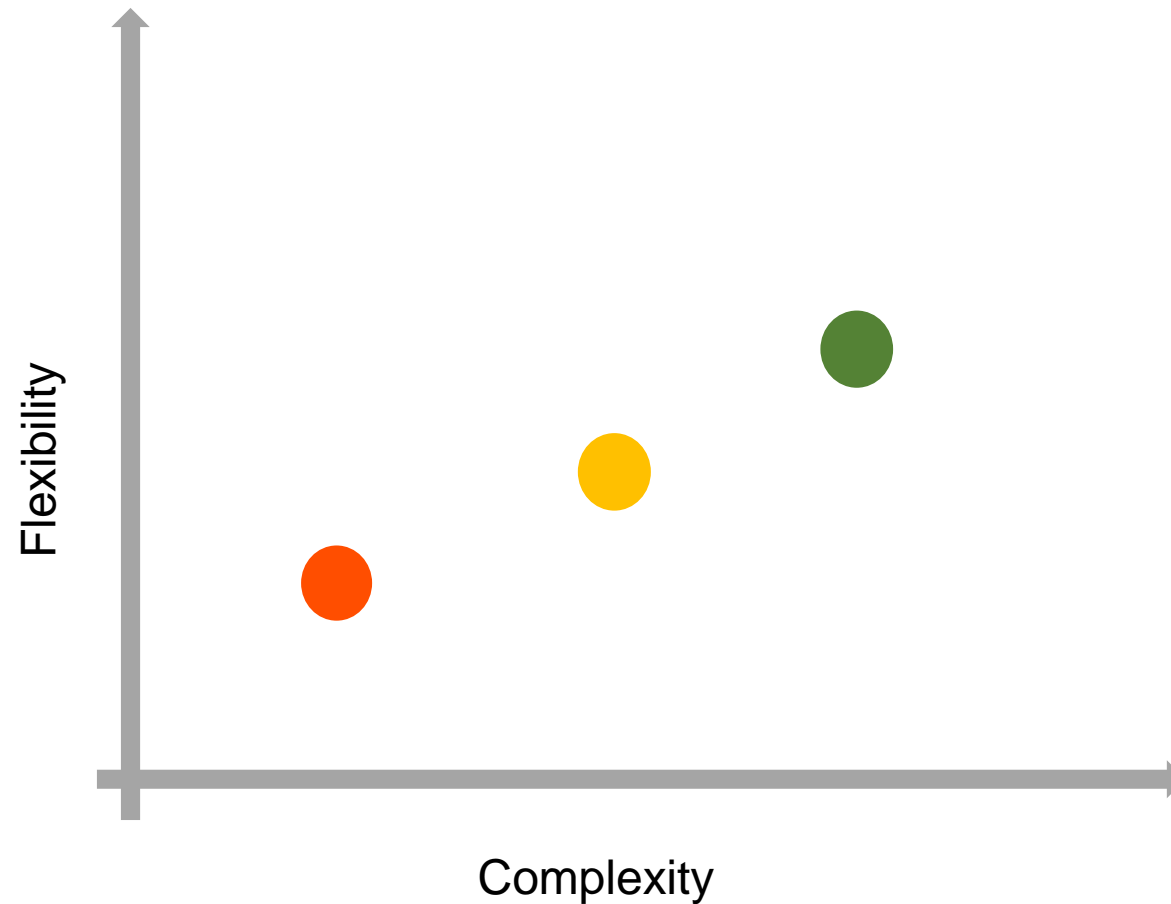
Advantages of Fiori Apps

- Straightforward to deploy and configure
- Simple & Intuitive for end user consumption
- Responsive across devices with varying form factors
- Extension points available to easily extend standard functionality
- Uses Open technologies with a fairly large developer community and support
- Vast Library of Standard Fiori Apps:

<https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#>



Fiori Applications



SAP Fiori Elements

- List Report Object Page
- Worklist
- Analytical List Page
- Overview Page
- Form Entry Object Page

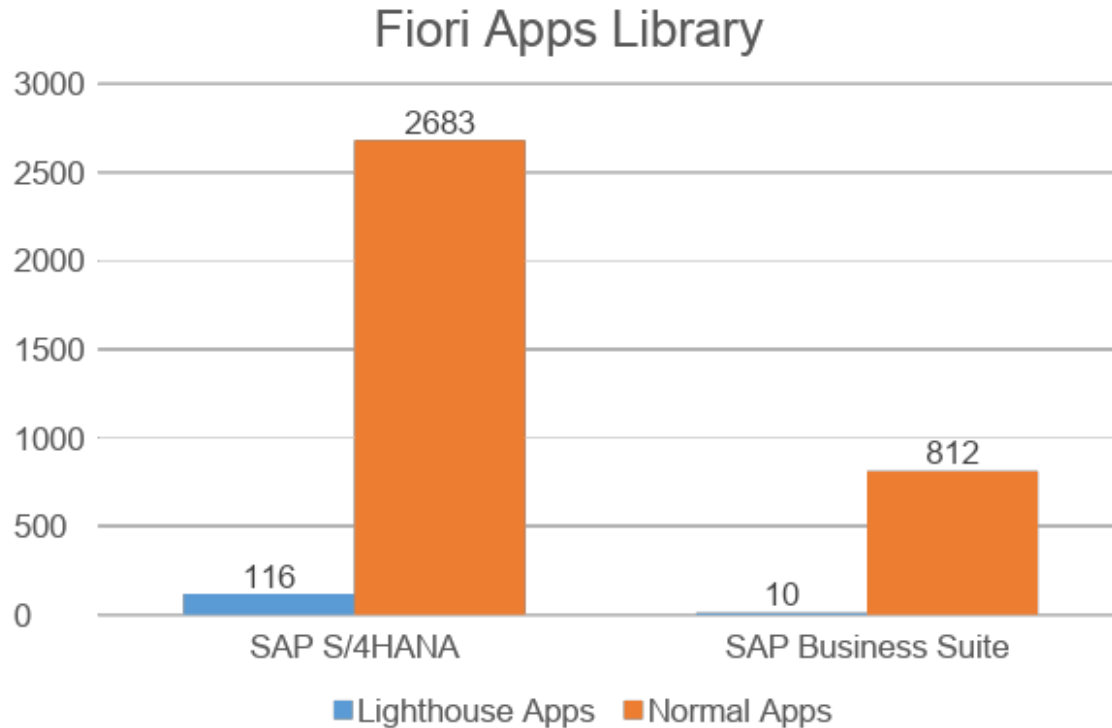
SAPUI Freestyle

- Worklist
- List-Detail
- Custom

Mobile Apps

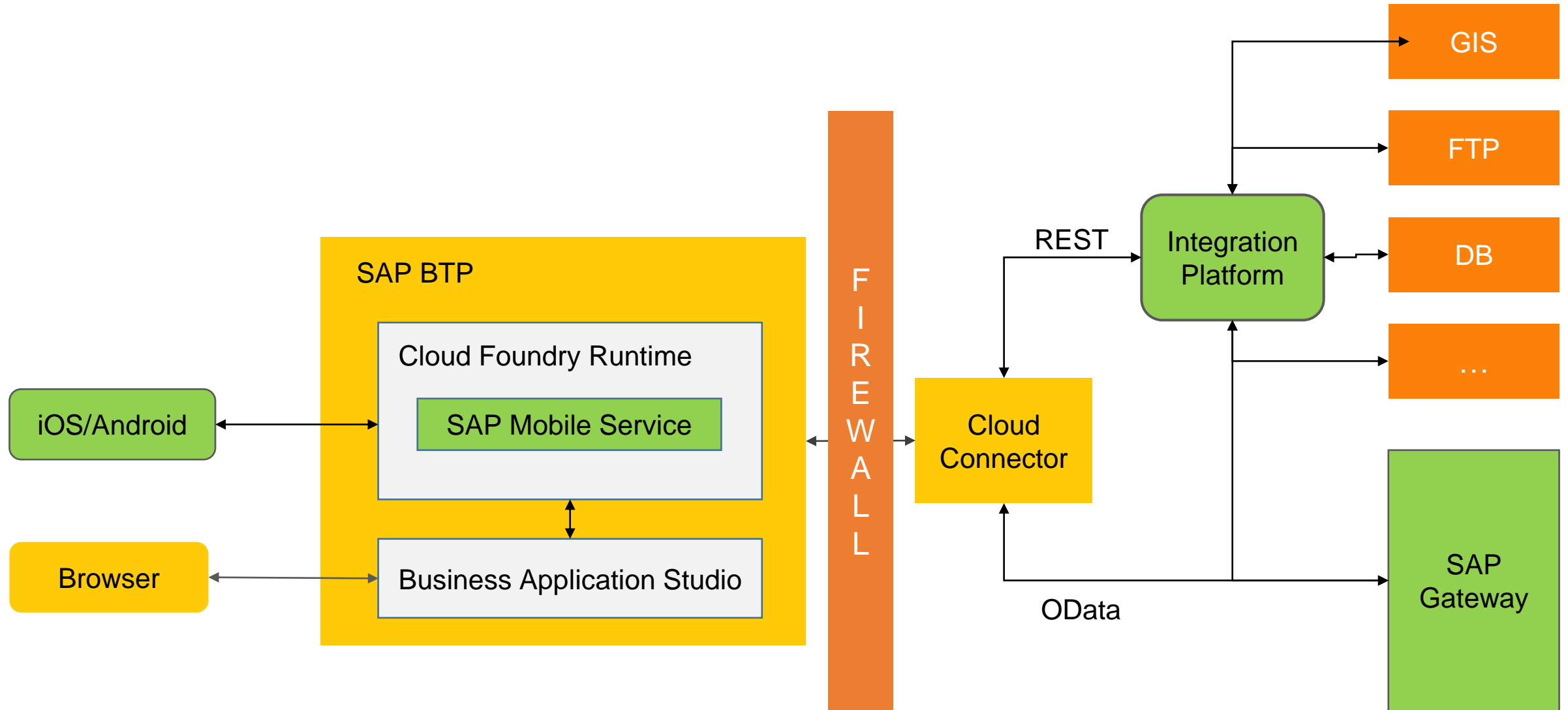
- MDK
- iOS SDK
- Android SDK

Why Custom Fiori Apps?



- Limited Fiori apps for SAP ECC.
- Continued support for Business Suite until 2030.
- Limited apps for transactional heavy scenarios and continued use of traditional TCODEs.
- Absence of standard offline mobile apps.
- Peripheral device integration for scanning labels, reading RFID tags, printing etc. requires additional work.
- Integration with 3rd Party applications.

Landscape for Mobile Development



Customer Case Study: WEL Networks

- WEL Networks is an Electric distribution company, based in Hamilton, New Zealand.
- It is 5th Largest fifth largest electricity distribution company in New Zealand, with over 96,000 connections and 7,000 km of lines.
- Connecting over 160,000 people to electricity through 93,000 installation connection points.

Use Cases:

- Purchase Orders
- Inventory Management
- Asset Condition Monitoring
- Asset Management Feedback
- Time Sheets



Customer Case Study: WEL Networks

Solution Highlights: Unvired configured standard Fiori apps and extended to build new business processes using the Fiori guidelines:

1. Purchase Order:

- Create a PO using a smaller subset of fields available in SAP ECC.
- Perform a check on the PO to determine the release strategy and display the next approver.
- Mobile Friendly
- Built the backend OData services and the SAPUI5 application required for a lean Purchase Order creation.

2. Inventory Management:

- Goods Receipt Against Purchase Order
- Goods Receipt in Multiple Batches
- Goods issue
- Stock Count
- Stock Overview
- Mobile Friendly
- Built the backend OData services and the SAPUI5 application required for a lean Goods Receipt against Purchase Orders

Customer Case Study: WEL Networks

3. Asset Condition Monitoring:

- ESRI Map View
- Perform pole inspections
- Capture Images
- Created Notification with Attachments

4. Asset Management Feedback:

- Create Work Order Variations
- Manage Job Cards
- Asset Replacement Feedback

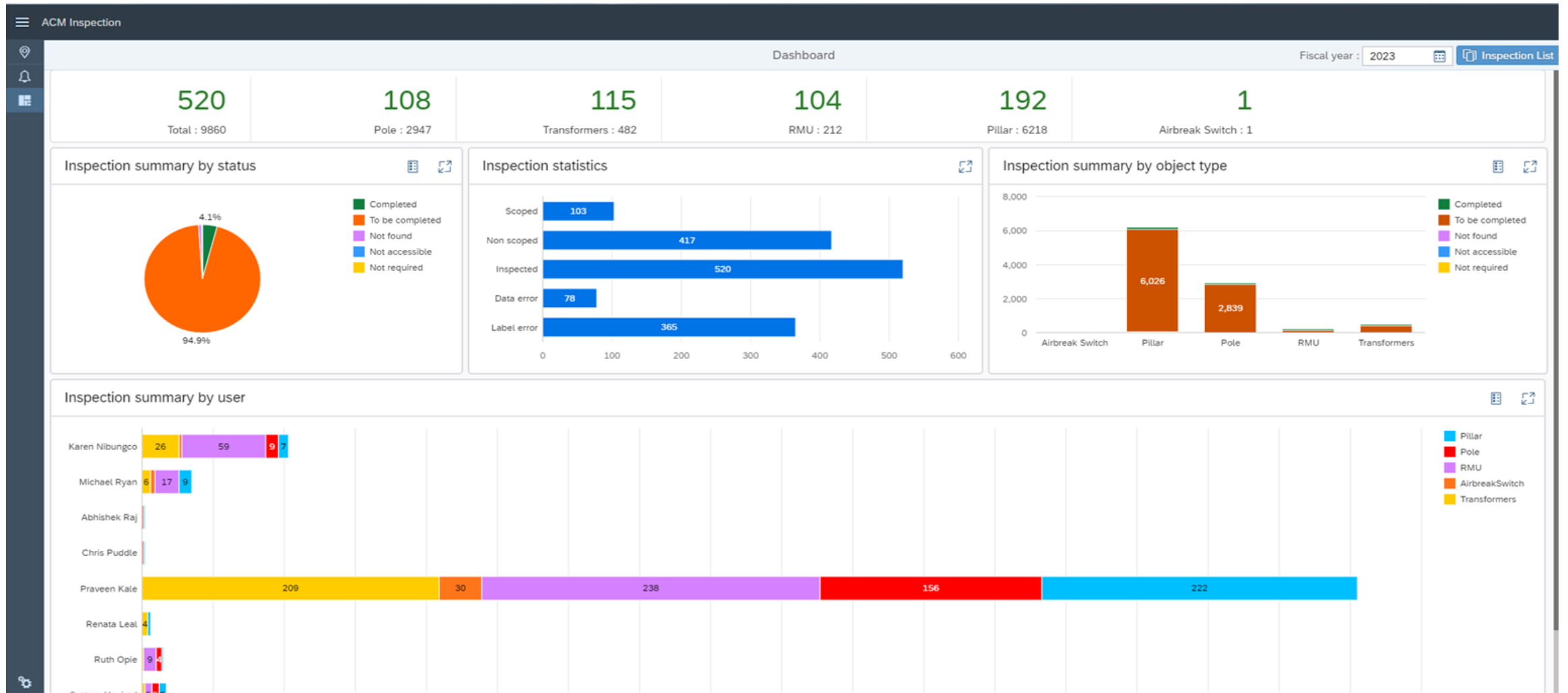
5. Time Sheets:

- Configure the standard My Timesheet Fiori application for use in the WEL landscape.
- Implemented extensions in the timesheet application to allow the import of assignments based on the user's data entry profile/role.

Approve Purchase Order

Purchase Orders (5)		Purchase Order
<input type="text" value="Search"/>		
Unvired Inc	1,000.00 USD	Unvired Inc
Fiori Developmnet	Dec 9, 2020	
Puspendu Naskar		
Forwarded by Chris Puddle		
4600027462		
Unvired Inc	10.00 USD	
k	Dec 7, 2020	
Puspendu Naskar		
Forwarded by Chris Puddle		
4600027461		
Avon Industries Ltd	2,194.08 NZD	
5 items	Dec 7, 2020	
Linda McCurdy		
Forwarded by Chris Puddle		

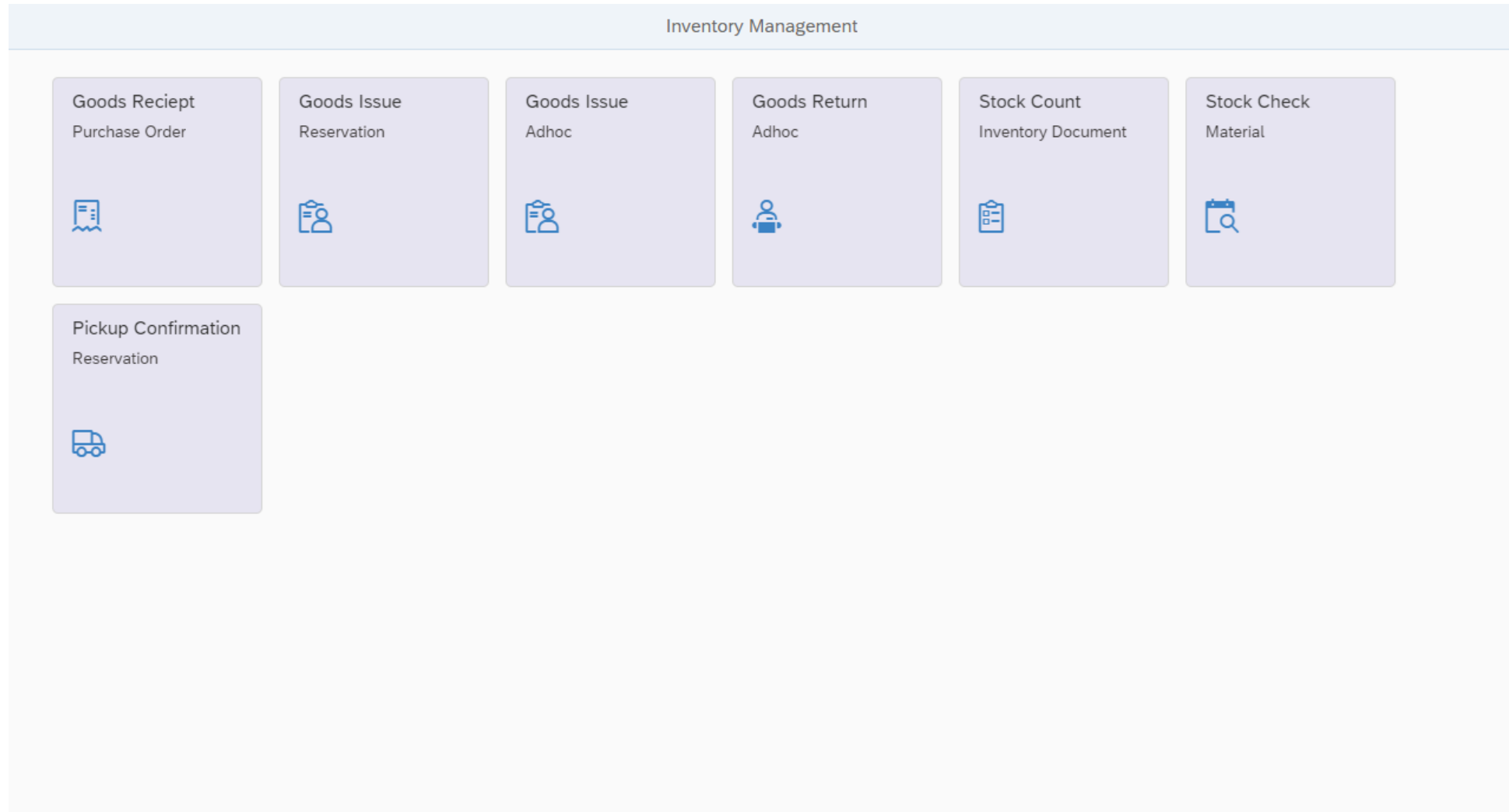
Asset Condition Monitoring App: Dashboards



Asset Condition Monitoring App: Esri Map View



Inventory Manager: Home Screen Tiles



Inventory Manager: Goods Receipt Against PO

Purchase Orders (27)

PKALE

Dec 15, 2021

Permark Industries

4600027507

PKALE

Jan 13, 2022

Partially Delivered

Permark Industries

4600027506

PKALE

Jan 12, 2022

Partially Delivered

Permark Industries

4600027505

PKALE

Dec 18, 2021

Partially Delivered

Unvired Inc

4600027265

PNASKAR

Sep 7, 2020

Partially Delivered

Permark Industries

4500013450

PKALE

Mar 9, 2022

Partially Delivered

Permark Industries

4500013446

PKALE

Feb 17, 2022

Partially Delivered

Permark Industries

4500013445

PKALE

Feb 9, 2022

Partially Delivered

Permark Industries

4500013444

Permark Industries

Items (5)

Search

Item	Material	Order Qty	Received Qty	Unit	Posting Qty	Batch	Action
00010	100350	20	12	EA			LABEL
Description: LABEL BARCODE Price: 70.000							
00020	101130	10.00	10.00	M			BATCH
Description: CABLE CU CONDUIT 6MM GNYE V91 Price: 10.000							
00030	100350	5	5	EA			LABEL
Description: LABEL BARCODE Price: 17.500							
00040	101130	10.00	4.00	M			BATCH
Description: CABLE CU CONDUIT 6MM GNYE V91 Price: 10.000							
00050	101130	10.00	3.00	M			BATCH
Description: CABLE CU CONDUIT 6MM GNYE V91 Price: 10.000							

Post

Cancel

Work Order Variations: Job Completion Form

Work Orders (4)

6800

SYSTEM CONTROL, - works	136800F	>
Aug 17, 2021		
, 68, WATERFORD ROAD HAMILTON FITZROY	126800F	>
Sep 16, 2020		
Ruakura Superhub - Pump - One Electrical	40066800	>
Sep 29, 2021		
T3276 - Revisit and Retest Earthing	40056800	>
Feb 20, 2020		

Order : 40056800

Job completion

Job completion

Job completed

Were as-builts completed?


Yes

No

Job feedback

Job feedback (consider accuracy of scope, risks, activities, materials)

Name and signature

Signature	Name	Date
	Tarak Kar	May 23, 2022

Signature

Name

Date

No data

Save

Cancel

Lessons Learned



01

Standard Fiori apps may need extensions

02

SAP BTP has good tools to build and extend apps –**BAS, AppGyver, SAP Process Automation**

03

SAP Mobile Services/MDK makes **offline** application scenarios easy to design and develop

Questions?

To ask questions after this session, contact us at:

Alok Pant,
CEO- Unvired Inc.
Email: alok.pant@unvired.com
M: (713) 560 2760
Houston, Texas

Special Offer to ASUG Attendees:

Free 1 week of Fiori app Consulting:

- ✓ Roadmap Development
- ✓ Business Case Development
- ✓ Proof of Concept

Thank you.

Stay connected. Share your SAP experiences anytime, anywhere.

Join the ASUG conversation on social media:

#ASUG

