



How a Utility Customer Developed Fiori Apps on SAP BTP

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Agenda

- Introduction to Univied
- 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



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.

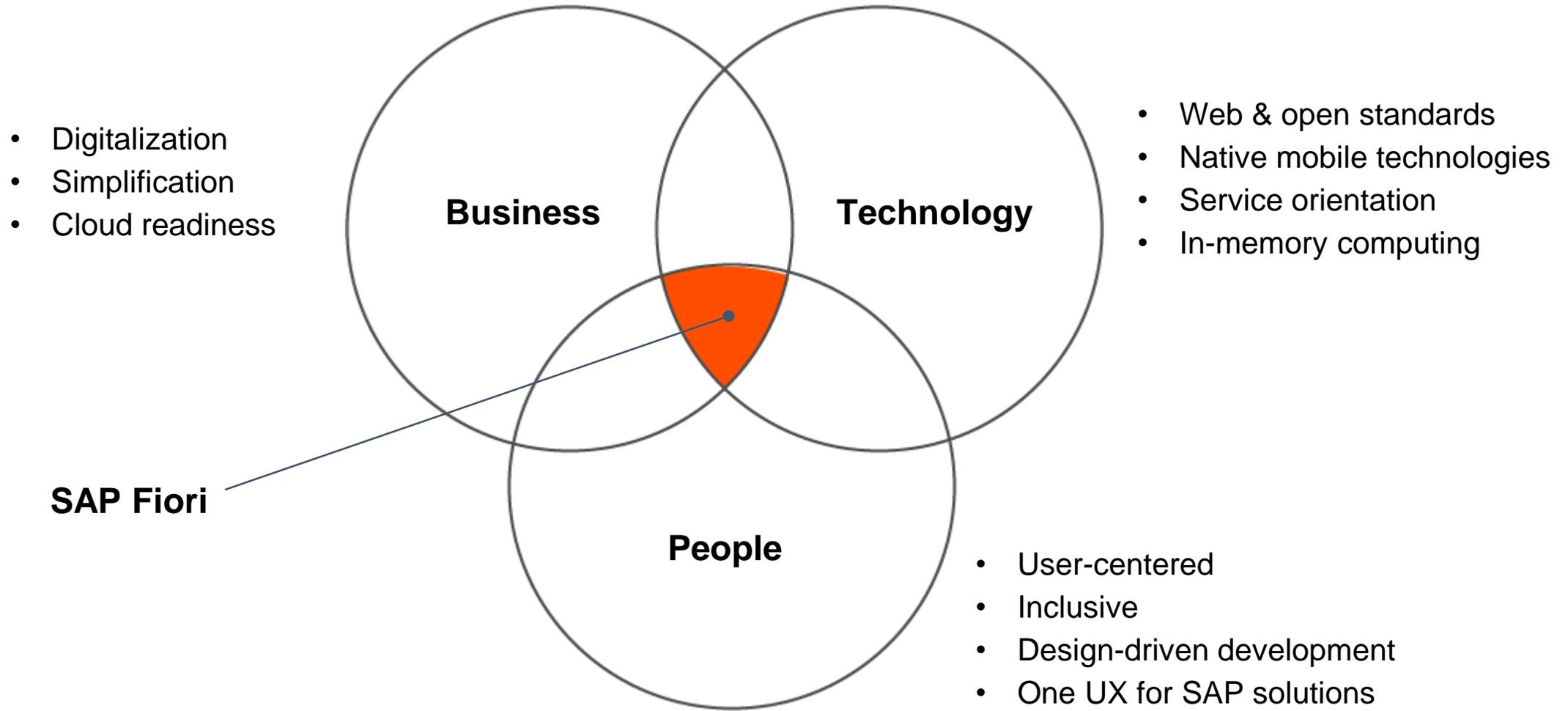
2022

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?

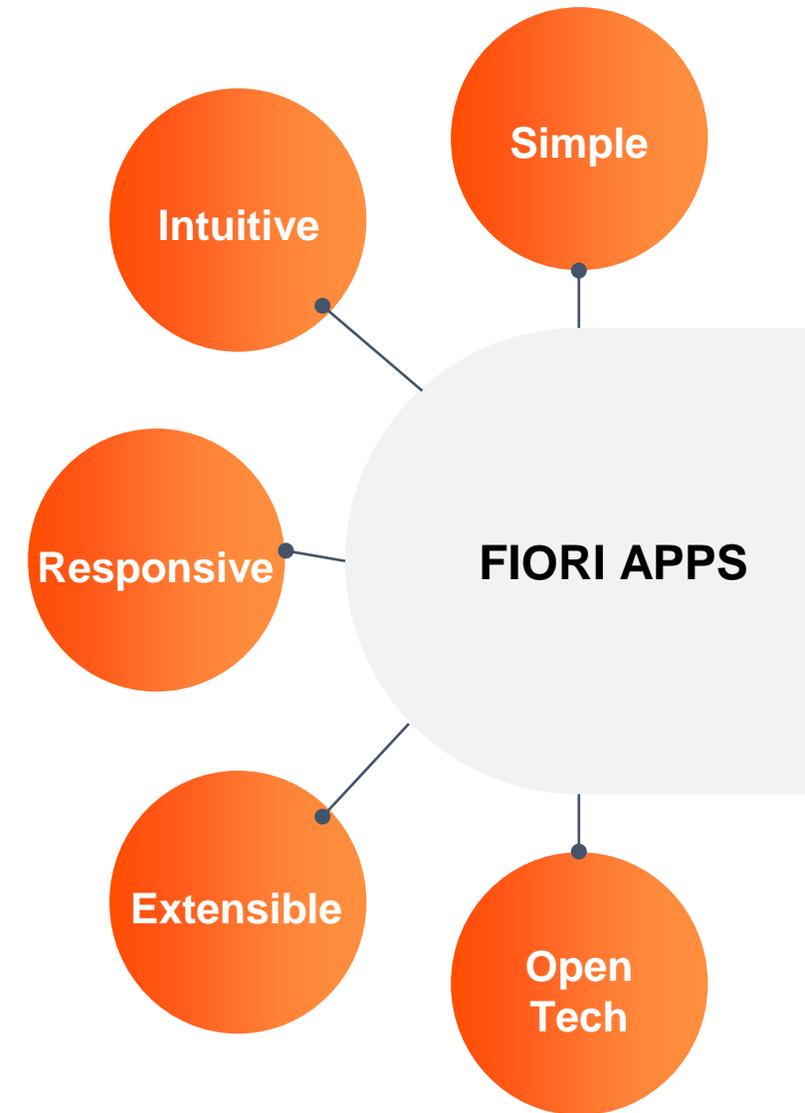
Applications that enable users to consistently & efficiently conduct business using open technologies.



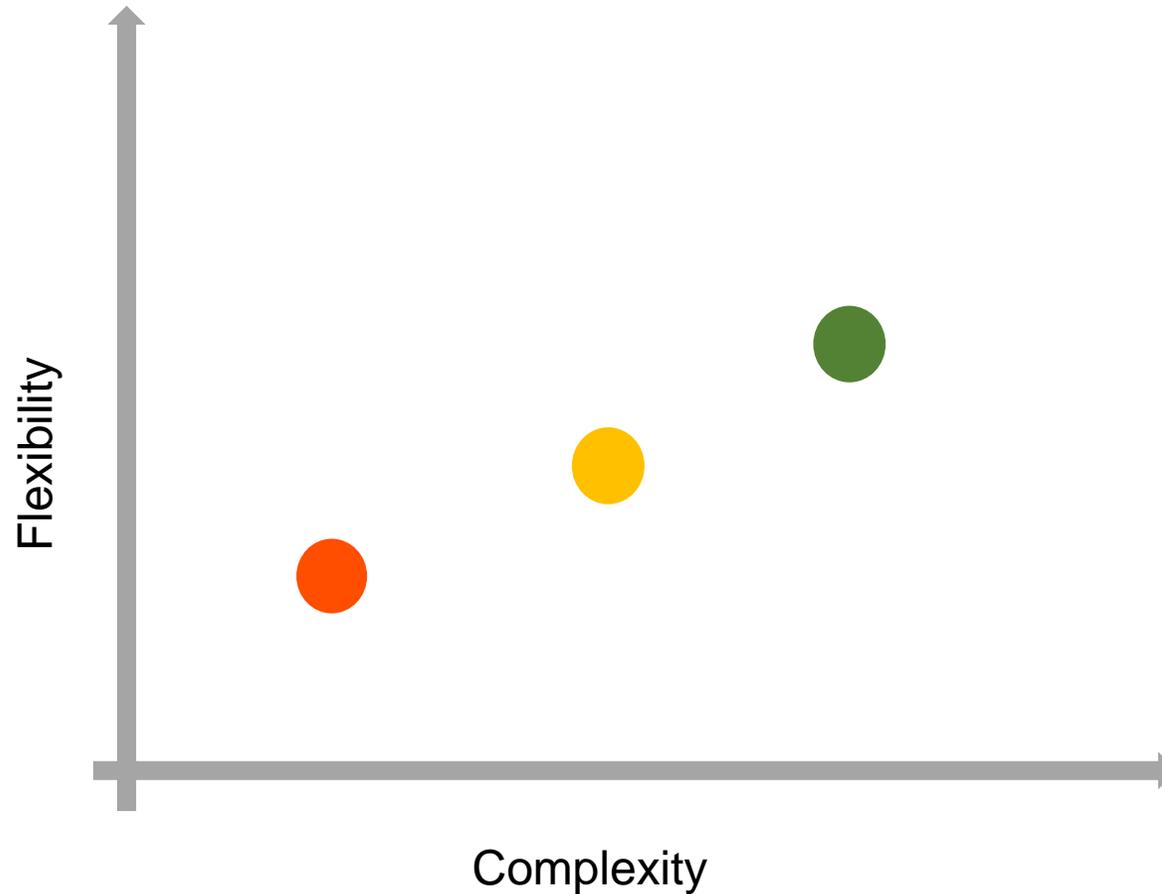
Advantages of Fiori Apps

- 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

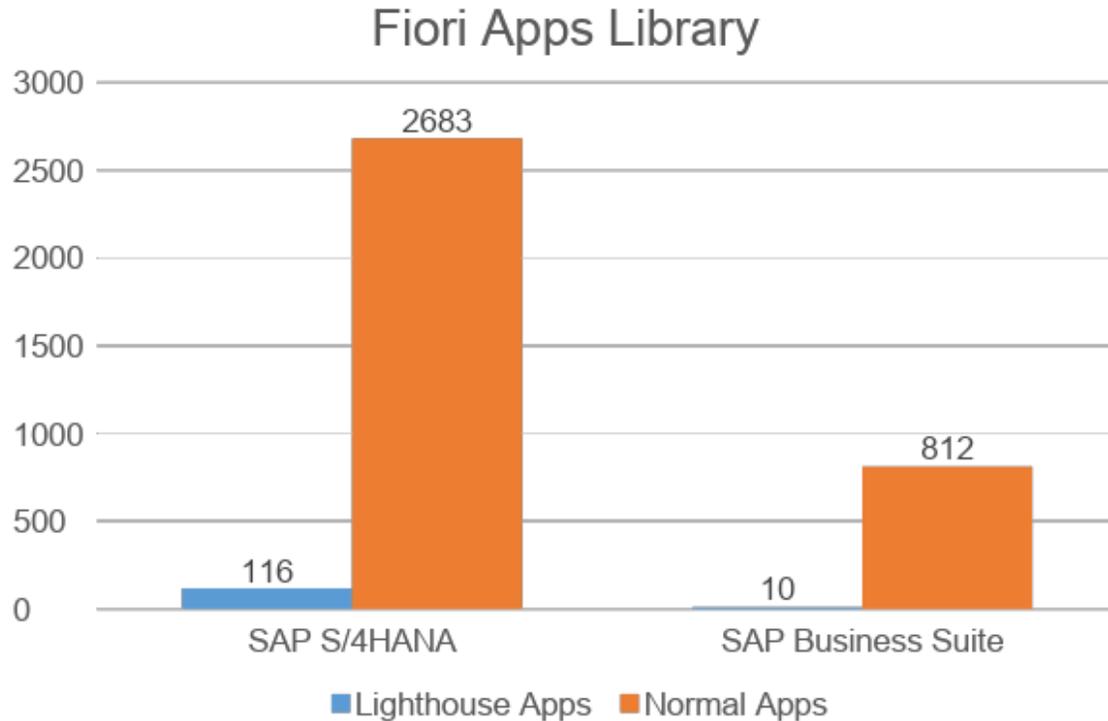
SAPUI Freestyle

- Worklist
- List-Detail
- Custom

Mobile Apps

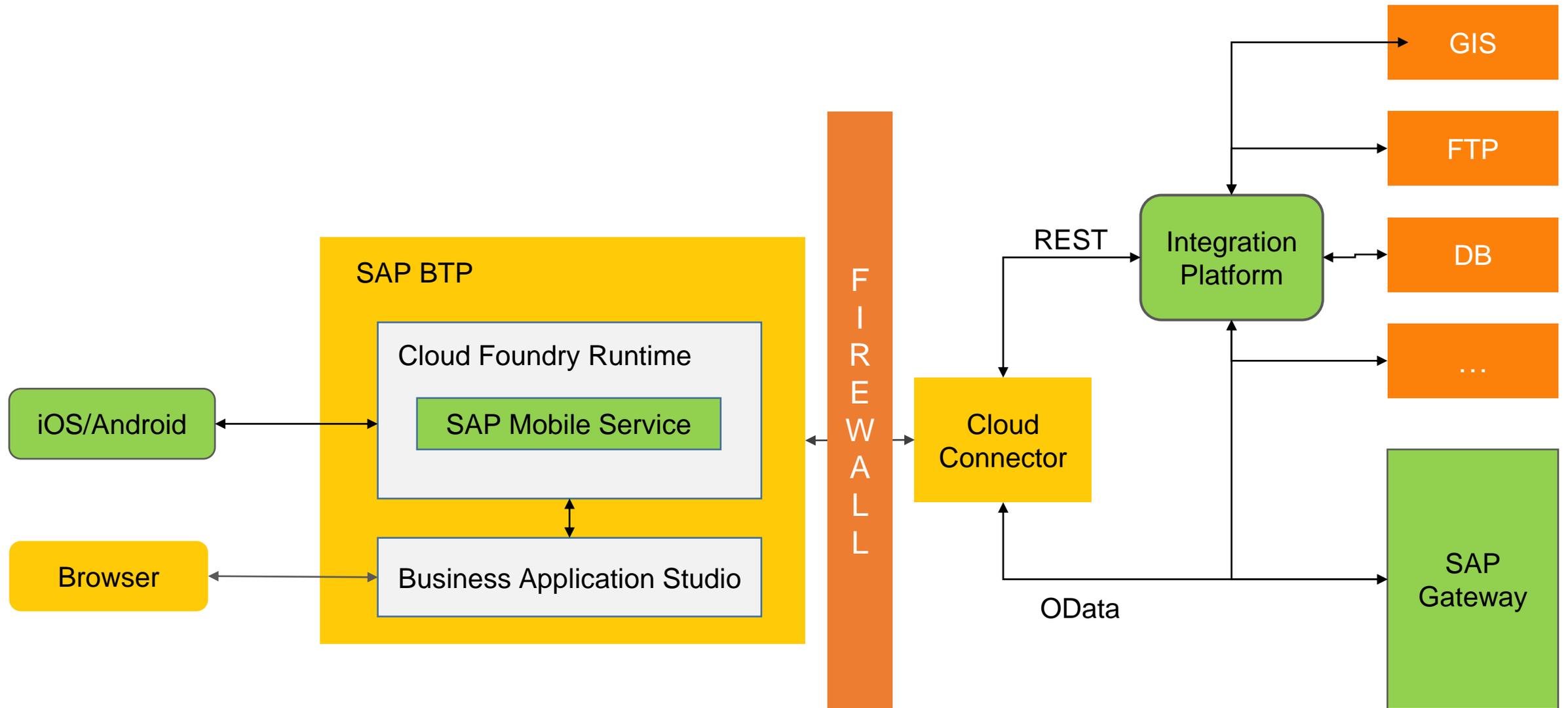
- MDK
- iOS SDK
- Android SDK

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: Unwired 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)

Search  

Unvired Inc	1,000.00
	USD
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	

Purchase Order

Unvired Inc 1,000.00 USD

Puspendu Naskar Dec 9, 2020

Forwarded by Chris Puddle

  1

Purchase Order: 4600027462

Account Assignment: Cost Centre Growth & Development (10800)
Profit Center Growth & Development (108)
G/L Account IT Contract Services (7263)

Delivery Date: Dec 31, 2020

Plant:

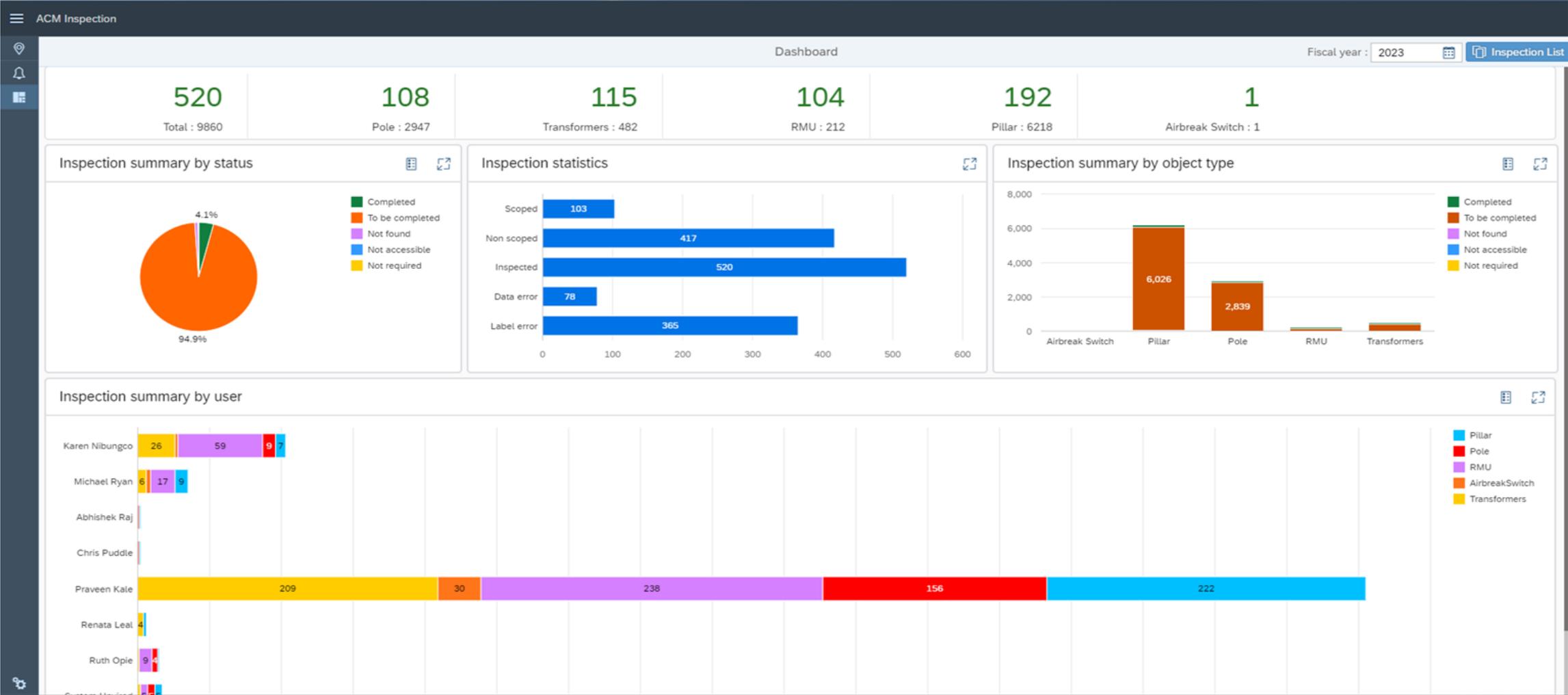
Payment Terms: Payable 20th month following invoice date

Company Code:

Items (1)

[Approve](#) [Reject](#) [Forward](#) 

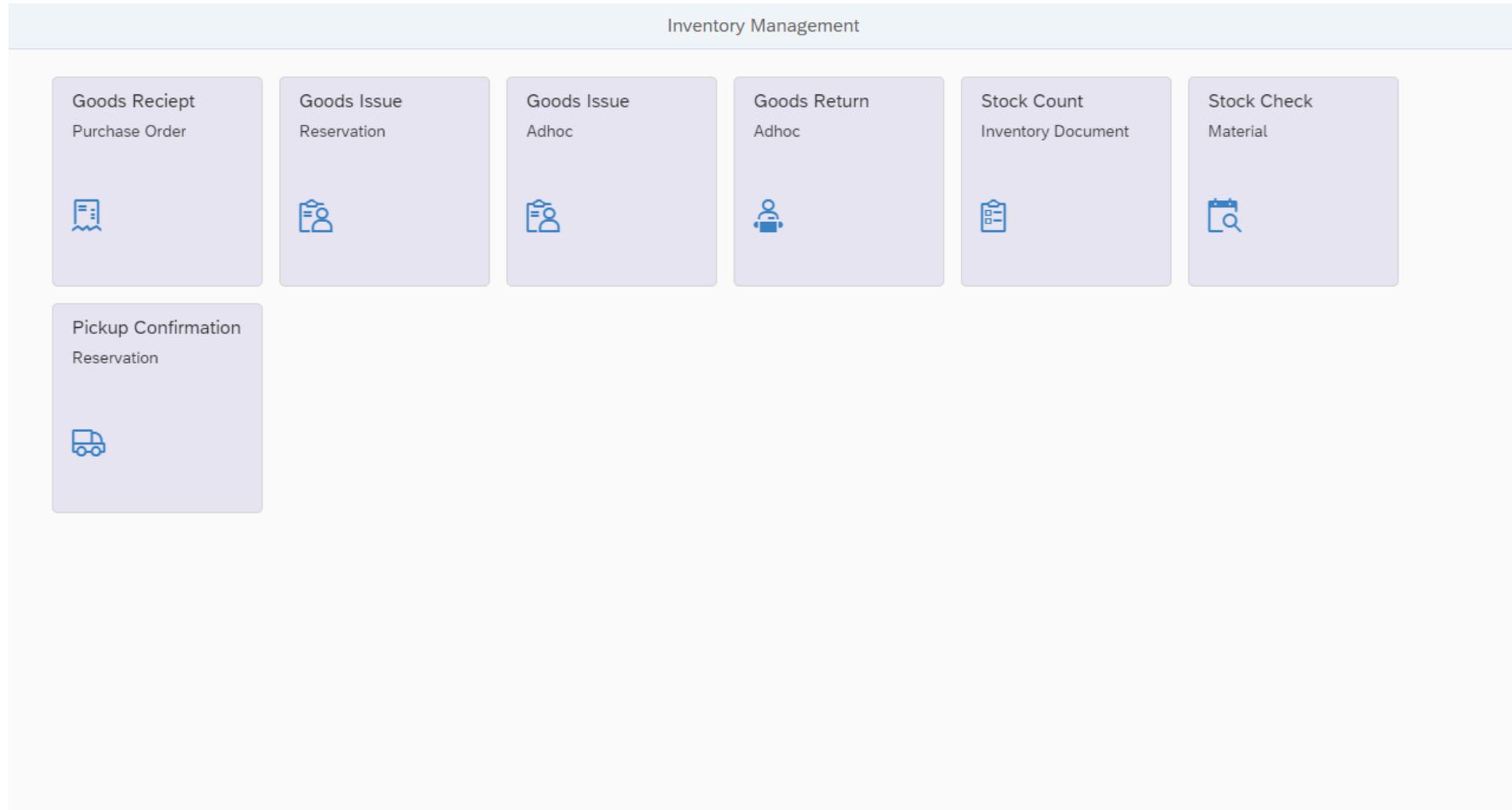
Asset Condition Monitoring App: Dashboards



Asset Condition Monitoring App: Esri Map View

The screenshot displays the 'ACM Inspection' application interface. At the top, a navigation bar includes a menu icon, the title 'ACM Inspection', and a 'Map View' tab. Below this is a search and filter section with a 'Quick Search' input field, dropdown menus for 'Radius', 'Object Type', and 'Status', and a 'Filter' button. A search bar on the right contains the placeholder text 'Find address or place'. The main area is an aerial map showing a residential and industrial area with numerous asset markers. The markers are color-coded: blue for poles (e.g., P2988, P2483, P2482, P3581, P2495, S47013, S47012, P3002, P2438, P3339, P3275), red for transformers (e.g., 532341, 532342, 532344, 577618), purple for RMUs (e.g., RM1040, RM527, RM2087), and yellow for air break switches (e.g., T5863). Street names like 'Old Rutland Road', 'Pukete Road', 'Chan Place', 'Natal Street', 'Ann Michele Street', and 'Kapuni Street' are visible. The bottom status bar shows 'Records Returned : 1126 (Pole 101, Transformer 197, Pillar 737, RMU 91, Air Break Switch 0)' and 'Powered by Esri'.

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	<input type="text"/>		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	<input type="text"/>	<input type="text"/>	BATCH
Description: CABLE CU CONDUIT 6MM GNYE V91 Price: 10.000							
00050	101130	10.00	3.00	M	<input type="text"/>	<input type="text"/>	BATCH
Description: CABLE CU CONDUIT 6MM GNYE V91 Price: 10.000							

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 🗑 ✕

Header
Operations
Completion
Attachments
ASR Feedback

▼ 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:

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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.

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