

UX Transformation for ECC customers

Get the Fiori experience today

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About the speakers

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VP UX Engineering, SAP

Heads global development team
focused on UX tools

Holds five patents

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Product Owner, SAP UX Engineering

Leads customer-facing activities for
SAP Screen Personas

Co-author of three books

Disclaimer

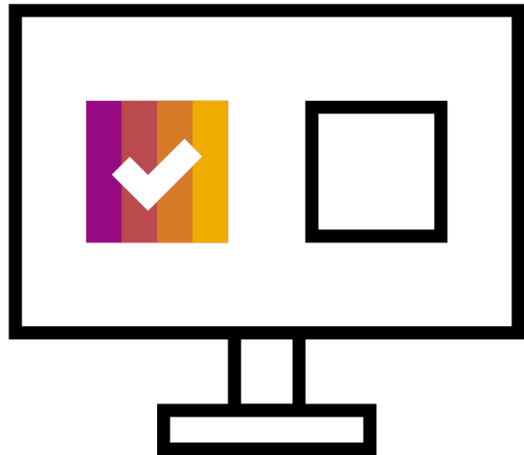
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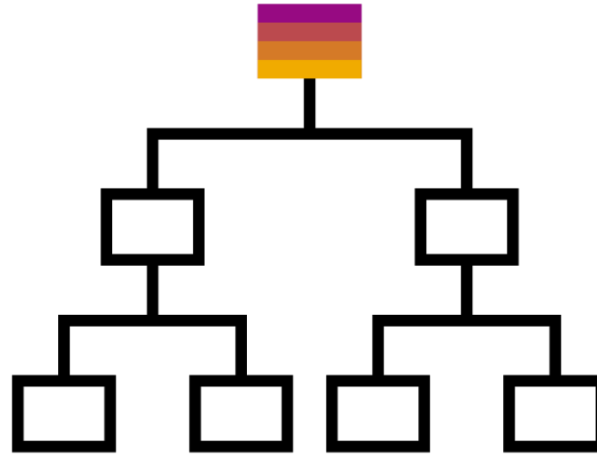
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3 things to remember after SAPPHIRE

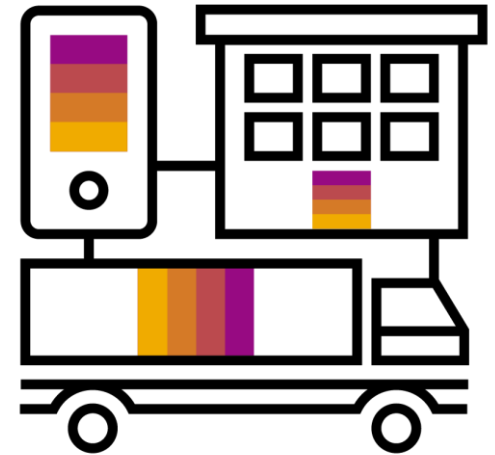
1. UX transformation drives **agility**



2. SAP has **many options** for you

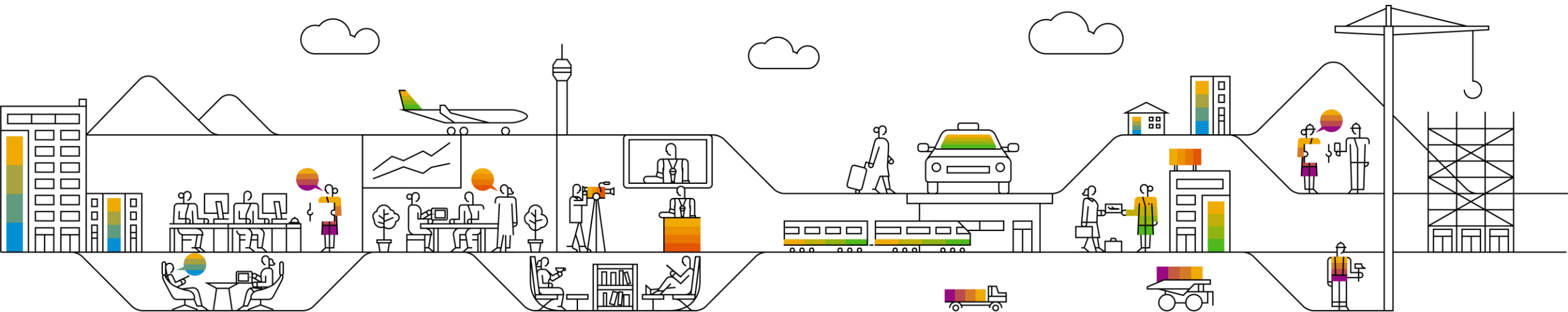


3. **Start today** to build your intelligent enterprise

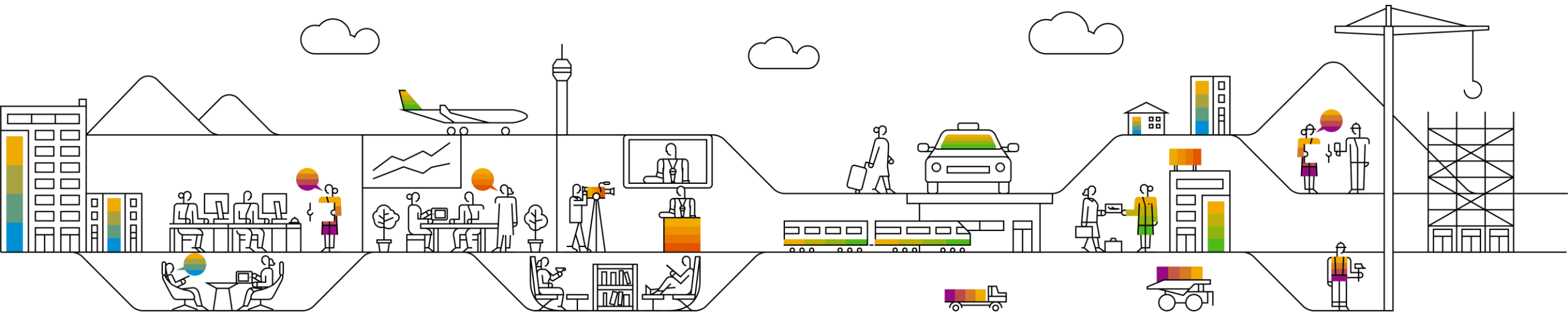


Agenda

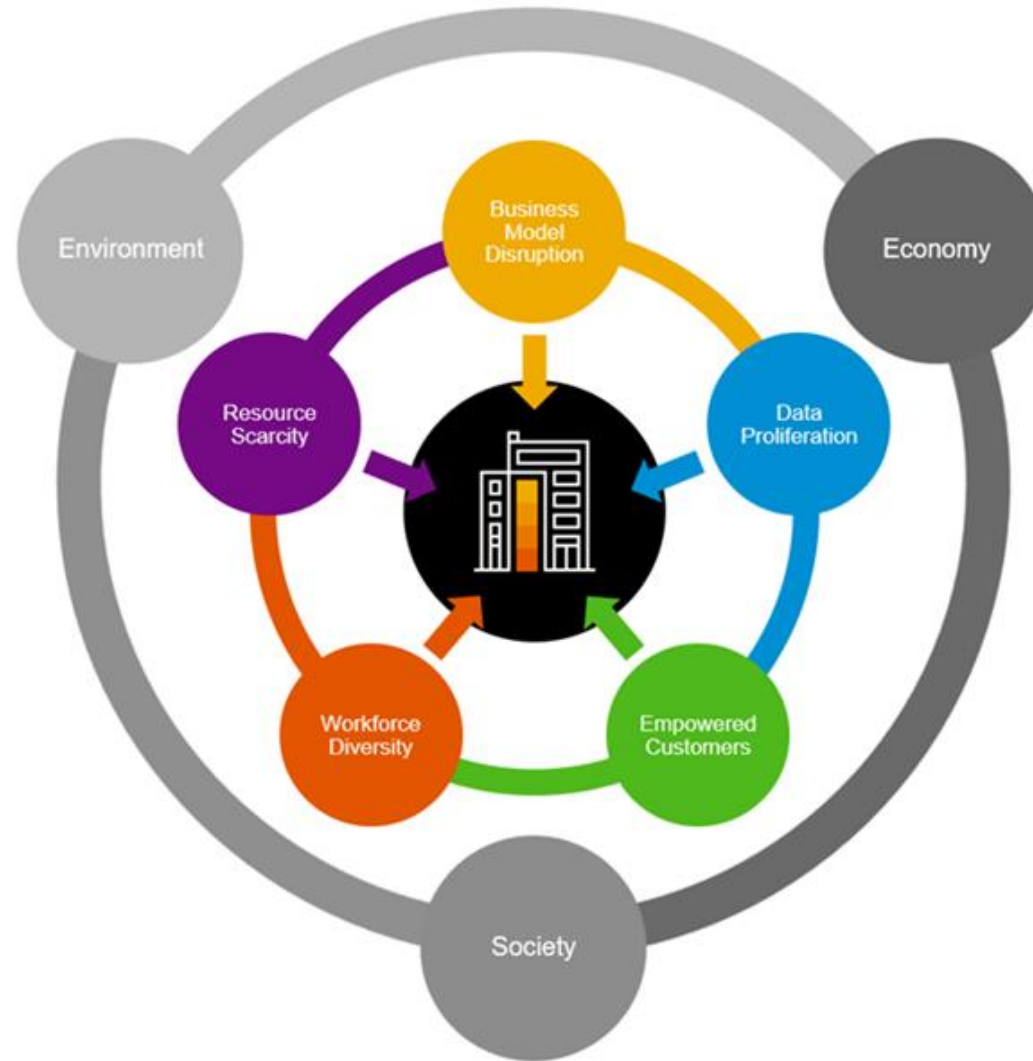
1. UX transformation
2. UX innovation options
3. Innovation without disruption
4. Next steps



UX Transformation



External factors drive UX transformation



Every industry faces similar challenges

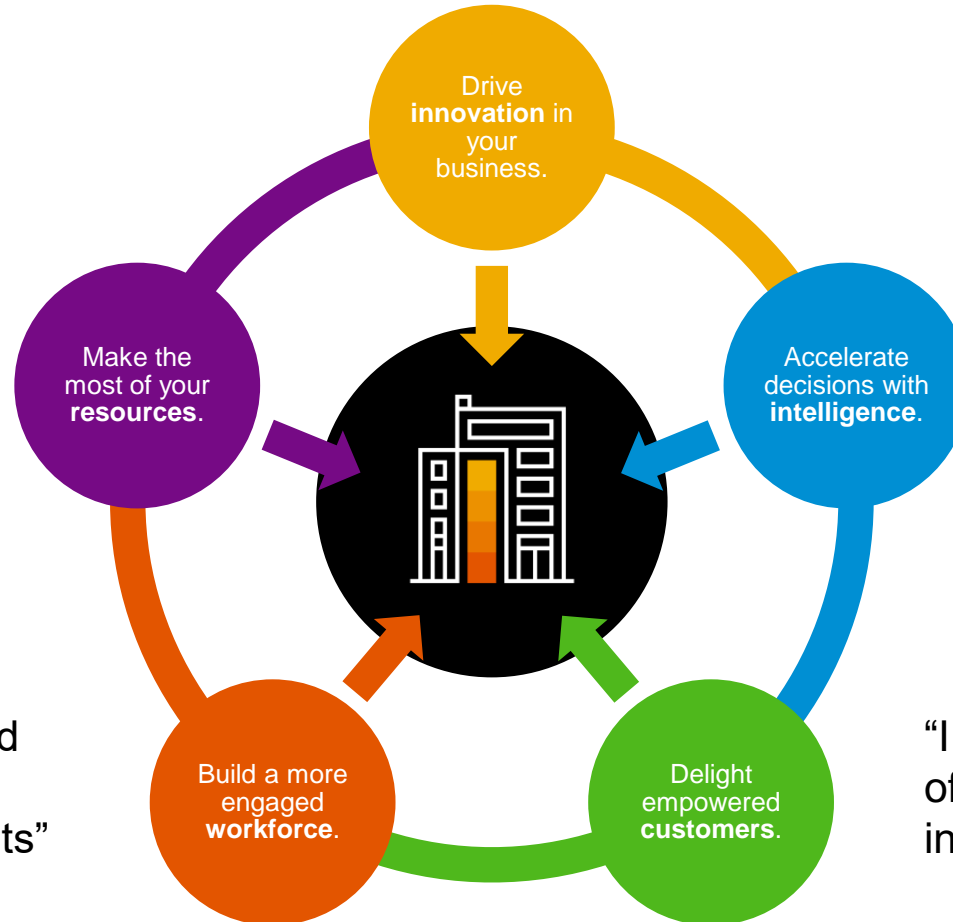
“I need to support business model innovation in order to drive growth”

“I am focused on improving the way that we utilize resources to drive productivity”

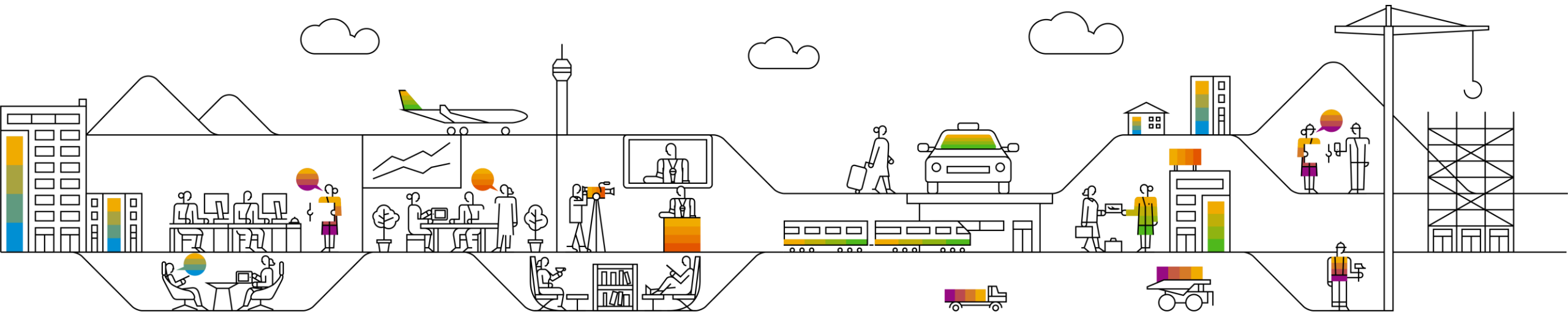
“I need to apply intelligence to data in order to make business decisions easier”

“I am working to better attract and engage an increasingly diverse workforce to drive business results”

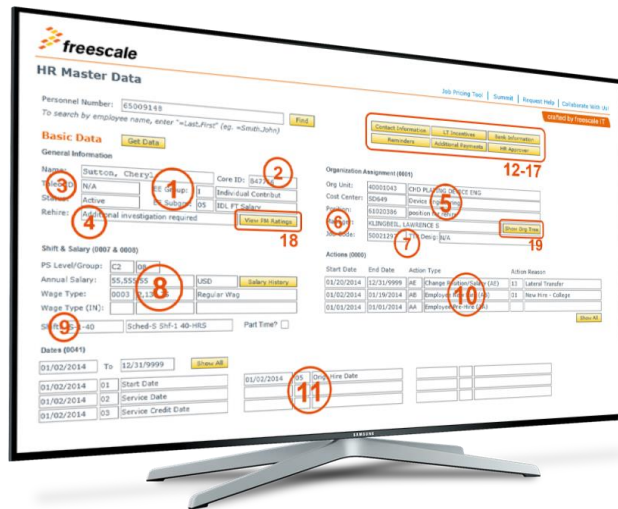
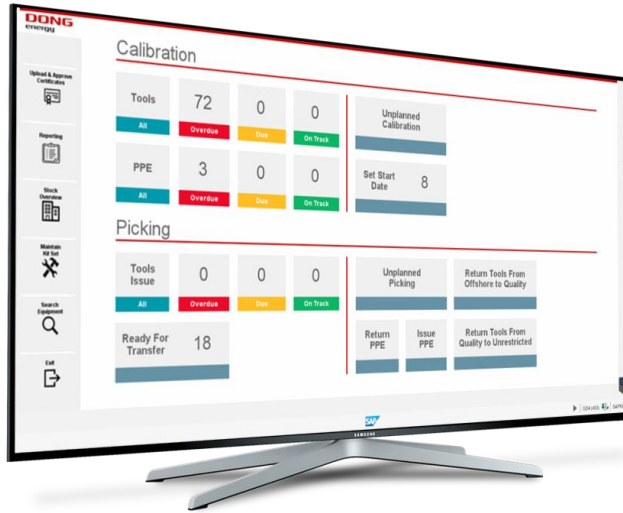
“I have to quickly address the needs of increasingly demanding customers in order to stay competitive”



UX Innovation Options



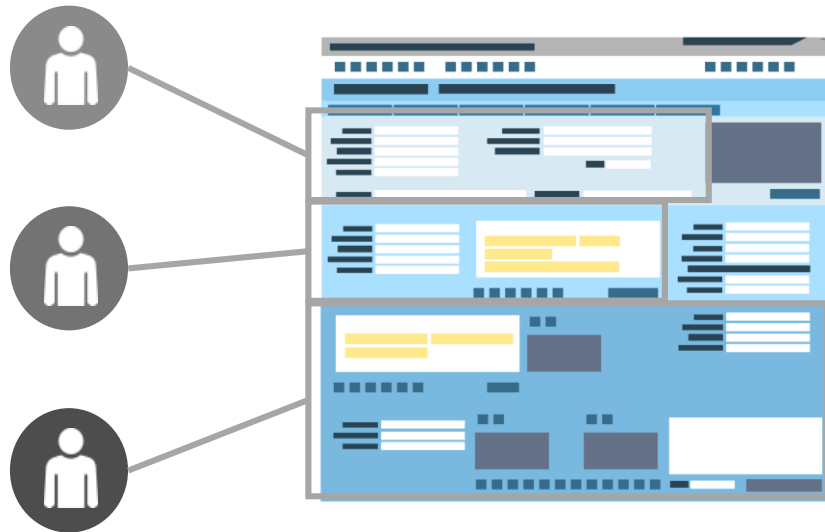
A good UX delivers measurable business benefits



- Improve business user productivity
- Increase SAP adoption by making screens easier to use
- Decrease training time for SAP users with intuitive screens
- Improve data quality
- Enhance user satisfaction
- Reduce the cost of app development
- Gain flexibility by rendering simplified SAP GUI screens on any connected device

Fiori represents a fundamental shift to a role-based SAP

ONE GUI for **ALL USERS** in all roles, in all industries, in all countries



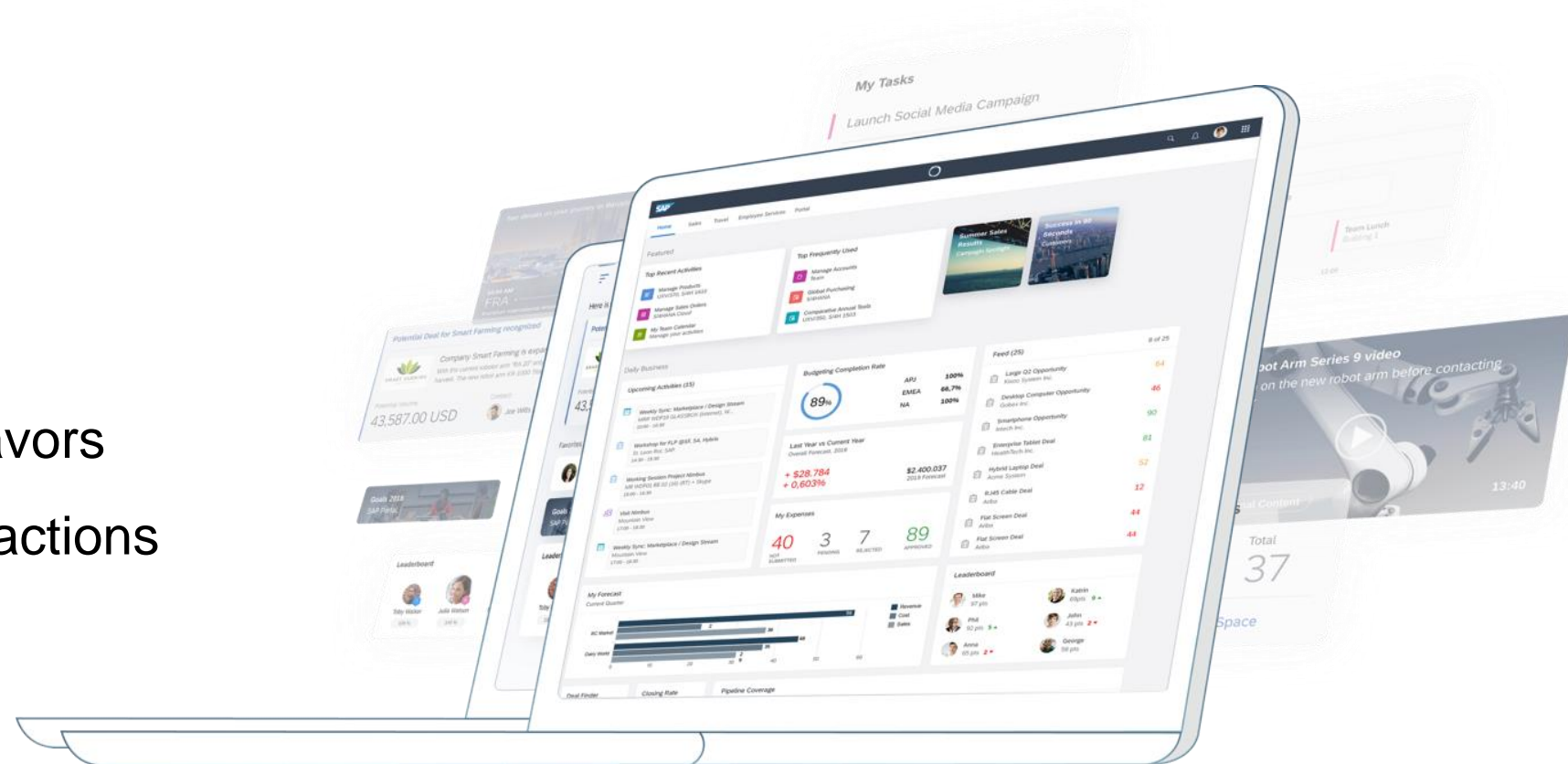
Distilled down to **ONE** version for **ONE** user or user group



Access SAP ERP functionality through the Fiori launchpad

A single entry point to SAP

- SAP-delivered Fiori apps
- SAP Fiori elements apps
- Custom Fiori apps
- SAP Screen Personas flavors
- SAP GUI for HTML transactions
- Web Dynpro applications
- Web-based content

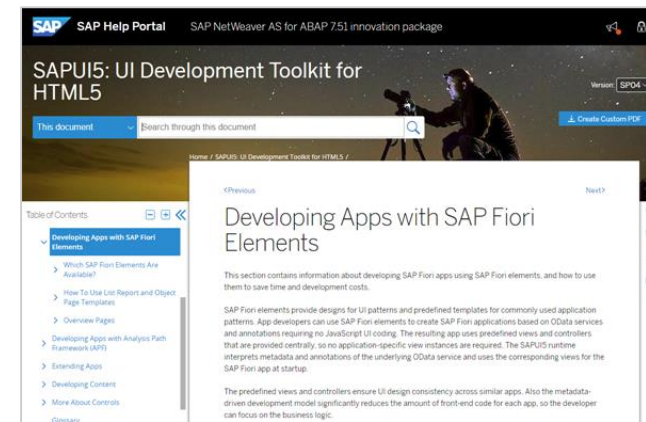
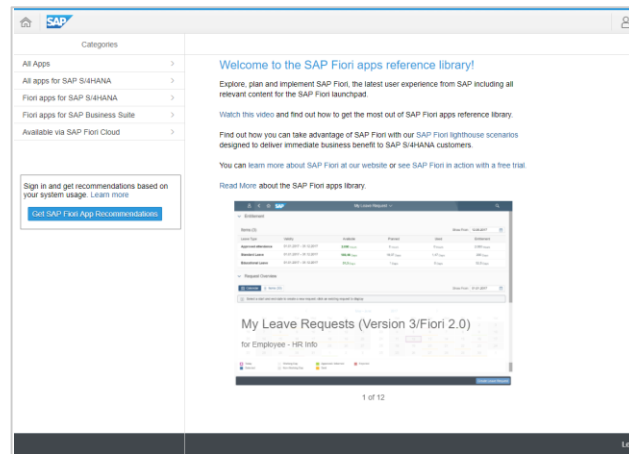


There are several paths to the Fiori user experience (UX)

Existing business scenarios

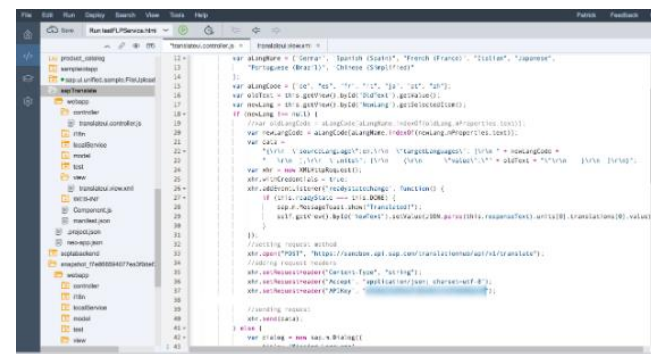
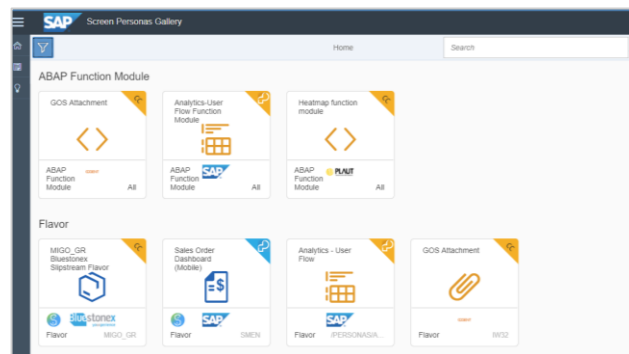
New business scenarios

Leverage out-of-the-box SAP Fiori apps



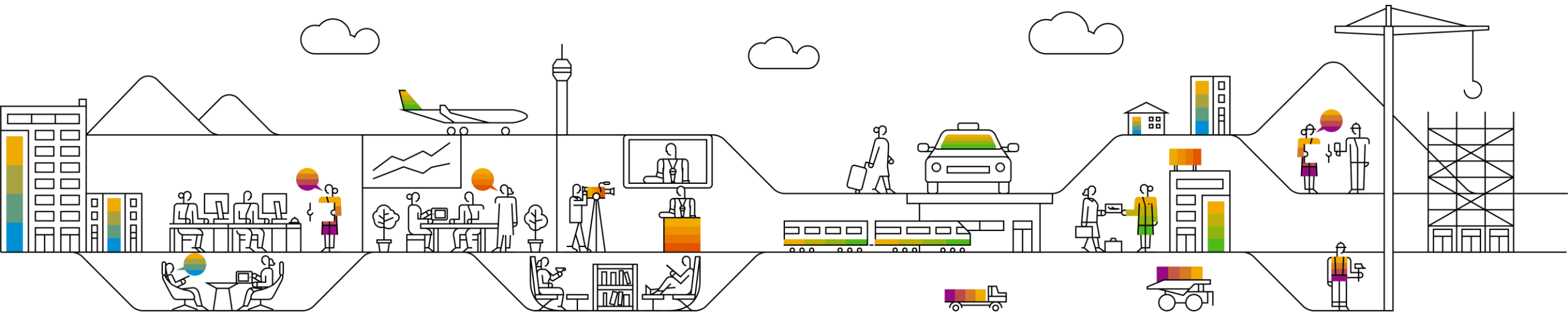
Design standard app with SAP Fiori elements

Create flavor with SAP Screen Personas



Build custom app or buy app from partner

Innovation without disruption



The SAP S/4HANA user experience is Fiori

SAP S/4HANA uses Belize* theme by default

Belize* theme is not available older ECC systems

The screenshot shows the SAP Fiori 'Change Standard Order 411: Overview' interface. The top navigation bar includes 'Display', 'Display Document Flow', 'Status Overview', 'Propose Items', 'Header Output Preview', 'Reject Document', and 'More'. The main content area displays order details for Standard Order 411, including Sold-To Party (USCU_S06), Ship-To Party (USCU_S06), and Net Value (379,309.00 USD). Below this, there are tabs for 'Sales', 'Item overview', 'Item detail', 'Ordering party', 'Procurement', 'Shipping', and 'Reason for rejection'. The 'Sales' tab is active, showing fields for 'Req. Deliv.Date' (16.11.2016), 'Deliver.Plant', 'Total Weight' (335,650 KG), 'Volume' (0,000), 'Billing Block', 'Card type', 'Card Verif.Code', 'Pyt Terms' (NT30), 'Inco. Version', 'Inco. Location1' (Cost & Freight), 'Inco. Location2', 'Order Reason', and 'Sales Area' (1710 / 10 / 00). At the bottom, there is a table for 'All items' with columns for Item, Material, Order Quantity, Un, S, Description, Customer Material Num, ITCa, and DGIF. The table shows one item: 10 MZ-FG-R300, 49 PC, R300 Bike, TAN.

The screenshot shows the SAP Fiori 'Change Standard Order 75: Overview' interface. The top navigation bar includes 'Sales document', 'Edit', 'Goto', 'Extras', 'Environment', 'System', and 'Help'. The main content area displays order details for Standard Order 75, including Sold-To Party (ITech / PO Box 12345 / Columbus GA 31907), Ship-To Party (ITech / PO Box 12345 / Columbus GA 31907), and Net value (0,00 EUR). Below this, there are tabs for 'Sales', 'Item overview', 'Item detail', 'Ordering party', 'Procurement', 'Shipping', and 'Reason for rejection'. The 'Sales' tab is active, showing fields for 'Req. deliv.date' (28.06.2016), 'Deliver Plant', 'Total Weight' (0,000), 'Volume' (0,000), 'Billing block', 'Pricing date' (28.06.2016), 'Exp.date', 'Payment card', 'Card Verif.Code', 'Payment terms' (0001 Pay immediately w/o ... Incoterms), 'Exp.date', 'Order reason', and 'Innovation without disruption'. At the bottom, there is a table for 'All items' with columns for Item, Material, Order Quantity, Un, Product hierarchy, and Payt... The table is currently empty.

* Quartz theme (Fiori 3) coming soon. See examples on the show floor.

SAP Screen Personas Slipstream Engine improves rendering for ECC systems

SAP GUI for HTML default

The screenshot shows the SAP GUI for HTML default rendering of the 'Change Standard Order 75: Overview' screen. The interface is characterized by a light blue header and a complex layout of form fields and tabs. The main content area is divided into several sections, including a top navigation bar with icons, a header section with tabs like 'Sales', 'Item overview', and 'Item detail', and a large table area for 'All items'. The rendering is somewhat cluttered and lacks the clean, modern look of the Fiori theme.

Slipstream Engine renders with Fiori theme

The screenshot shows the same SAP GUI rendered with the Fiori theme. The interface is significantly cleaner and more modern, featuring a dark blue header with clear navigation options like 'Display document flow', 'Status overview', and 'Propose items'. The form fields are more organized and easier to read, with a clear distinction between different sections. The 'All items' table is also rendered with a clean, modern look, including a 'Page 1 of 1' indicator. The overall aesthetic is consistent with the SAP Fiori design language.

SAP GUI screens with the Fiori theme still retain their original complexity

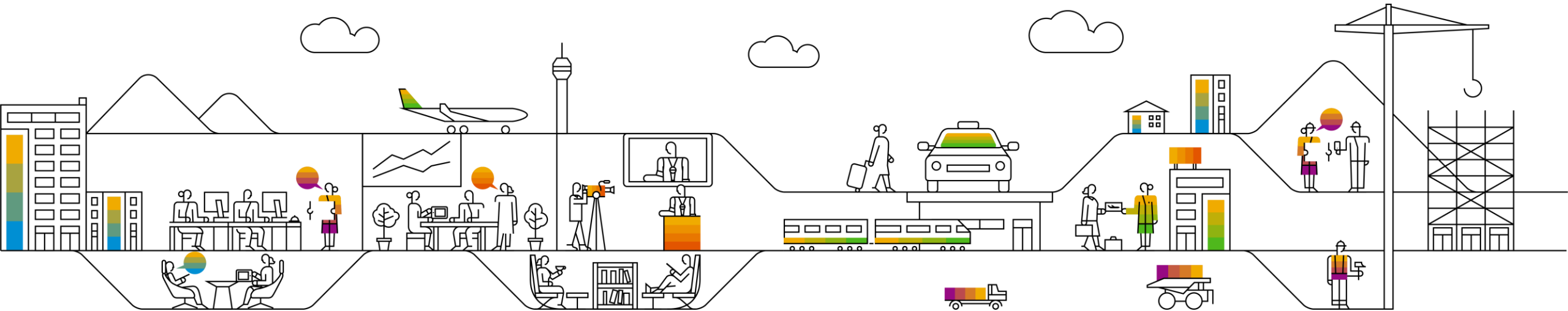
Unmodified screen has all fields and tabs

The screenshot shows the 'Change Standard Order 411: Overview' screen in SAP GUI. The interface is cluttered with numerous input fields, dropdown menus, and tabs. The 'Sales' tab is active, showing details like 'Standard Order: 411', 'Net Value: 379,309.00 USD', and 'Req. Deliv.Date: 16.11.2016'. The bottom of the screen features a table titled 'All items' with columns for Item, Material, Order Quantity, Un, S, Description, Customer Material Number, ItCa, DGIP, HL Itm, and First date. The table contains one row for material 'MZ-FG-R300' with a quantity of 49. The overall layout is dense and complex.

SAP Screen Personas lets you simplify by role

The screenshot shows the same 'Change Standard Order 411: Overview' screen but with SAP Screen Personas applied. The interface is significantly simplified, with many fields and tabs hidden or collapsed. The 'Sales' tab is still active, but the layout is much cleaner. The 'All items' table is still visible at the bottom, showing the same data as the unmodified screen. The overall appearance is more modern and user-friendly.

Demo: Simplify complex screens with SAP Screen Personas



SAP Screen Personas simplifies complex classic ERP screens

Benefits

Improve business productivity

Increase SAP adoption by making screens easier to use

Decrease training time for SAP users with intuitive screens

Enhance user satisfaction

Reduce the cost of personalization compared to custom coding

The image shows a desktop screenshot of the SAP 'Display Purchase Order' screen. The screen displays a table with columns for 'Release', 'Status', 'Quantity', and 'Value'. Below the table is a table with columns for 'St.', 'Material Description', 'Material', 'Itm', 'A', 'I', 'PO Quantity', 'Net Price', and 'Deliv. Date'. The desktop screen is overlaid with four mobile phone screens, each showing a different view of the same data adapted for a mobile interface. The mobile screens show a simplified layout with large buttons and clear text, demonstrating the 'slipstream engine' capability.

Capabilities

Hide / rearrange screen elements, reduce scrolling

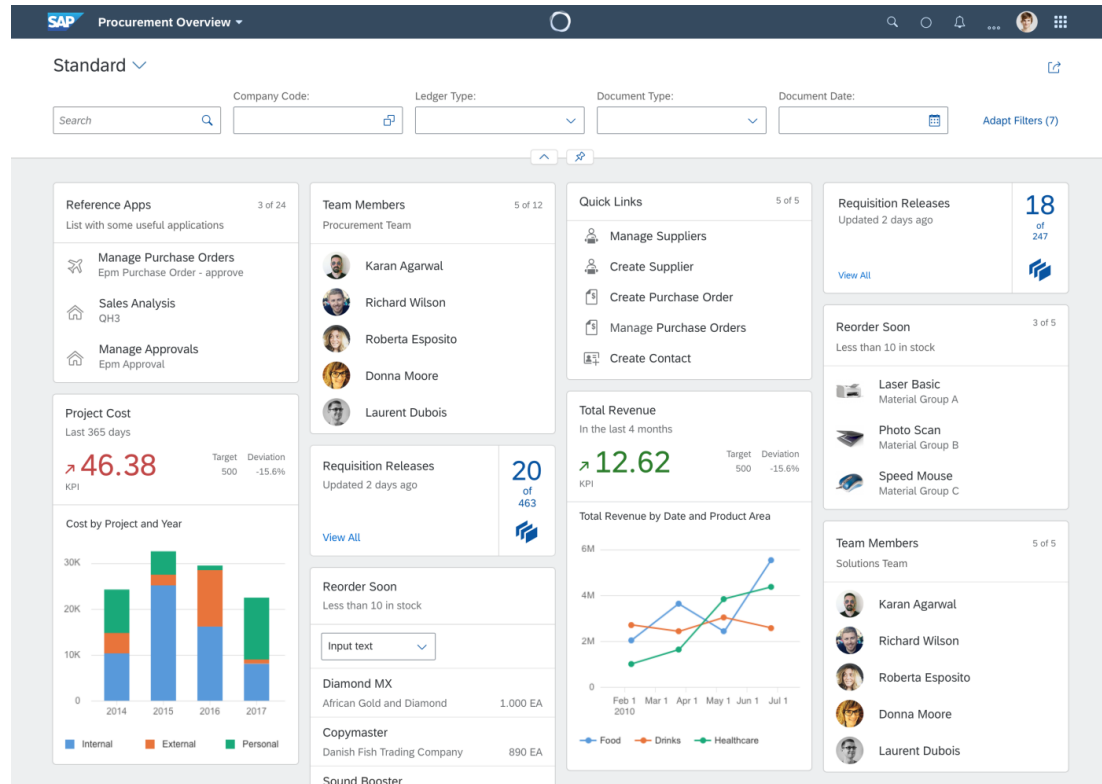
SAP Fiori design creation for custom or standard transactions, including SAP S/4HANA; embed into SAP Fiori launchpad

Adapt Dynpro or Web Dynpro ABAP screens

Pre-filled fields & pull-down menus as well as automation of repetitive tasks

Slipstream Engine renders flavors on desktop, tablet, or mobile phone

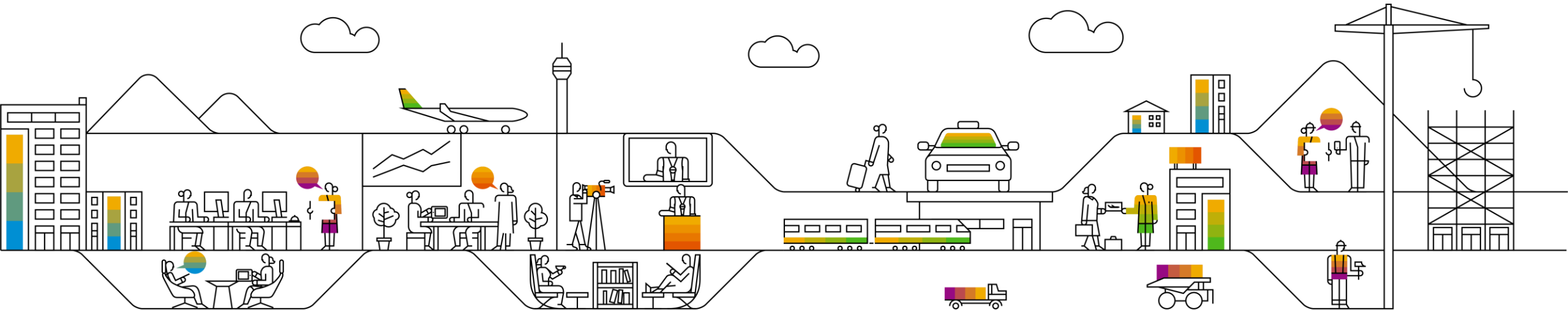
Fiori elements is a fast way to build new Fiori apps



Low-code, standardized UI development with SAP UI5

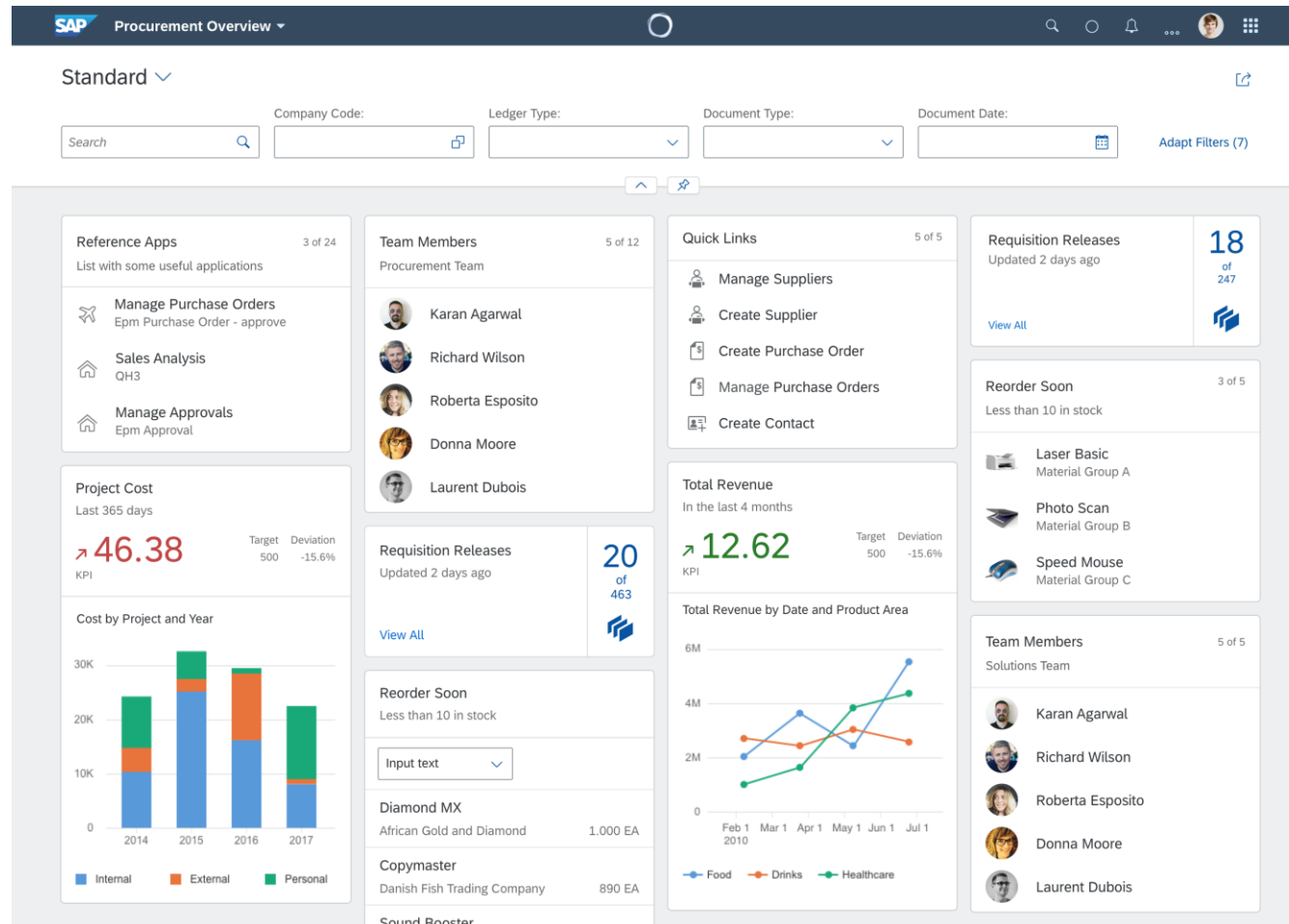
- Improves development efficiency while reducing app development costs
- Ensures a consistent user experience across apps through provided floorplans
- Provides out of the box UI functionality for
 - Overview pages
 - Object pages
 - List report pages
 - Analytical list pages
- Supports both desktop and mobile devices

Demo: Fiori elements makes it easier to build consistent Fiori apps



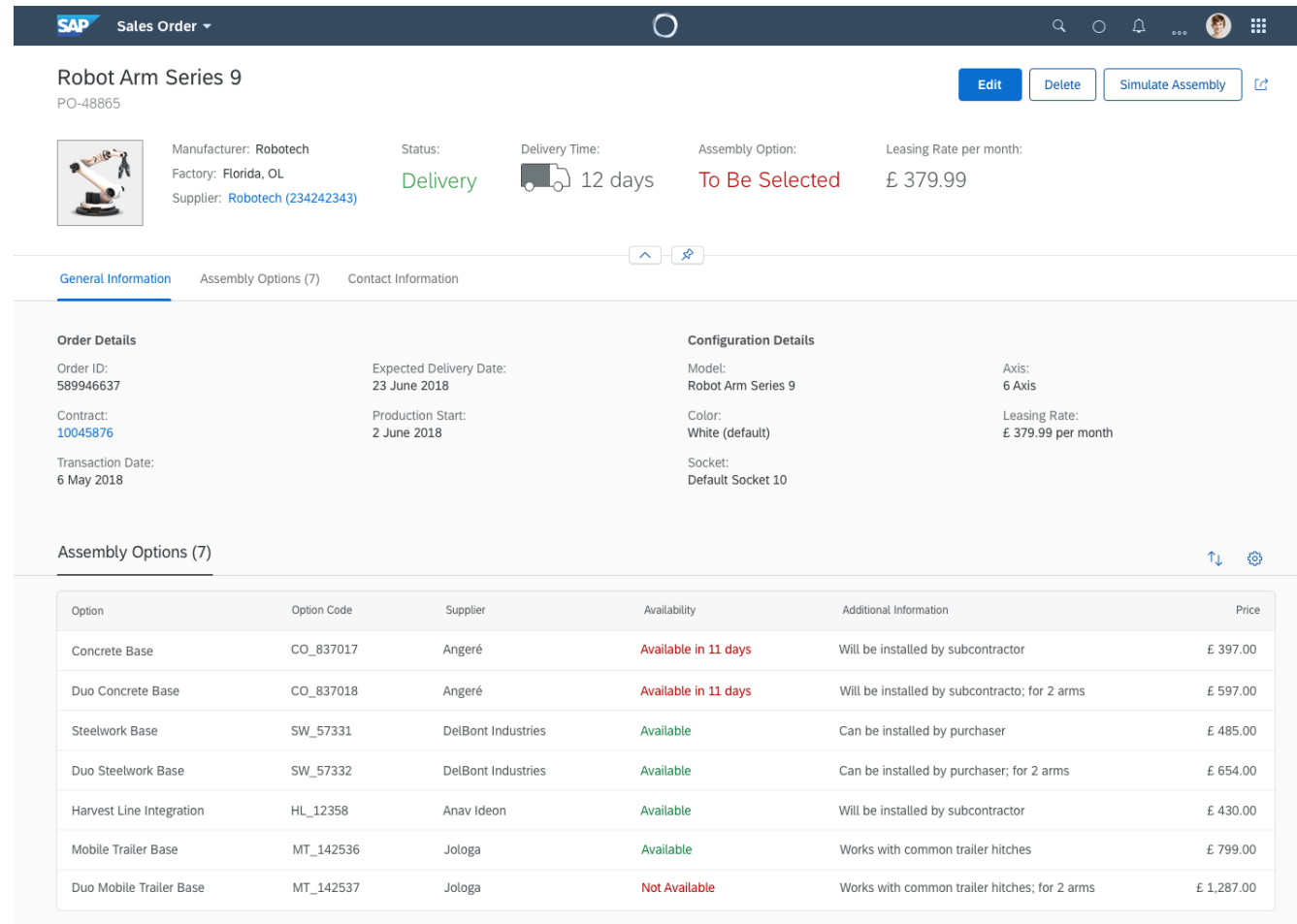
Fiori elements relies on common floorplans that cover most SAP scenarios

Overview page created with SAP Fiori elements



Object pages allow users to display, create, or edit an object

Object page created with SAP Fiori elements



The screenshot displays the SAP Fiori object page for 'Robot Arm Series 9' (PO-48865). The page features a top navigation bar with the SAP logo, 'Sales Order' dropdown, and search, notification, and user icons. Below the header, the object name and ID are shown, along with 'Edit', 'Delete', and 'Simulate Assembly' buttons. A central information area includes a product image, manufacturer (Robotech), factory (Florida, OL), and supplier (Robotech 234242343) details. Key status and delivery information is highlighted: 'Delivery' status, a truck icon indicating '12 days' delivery time, 'To Be Selected' assembly option, and a leasing rate of '£ 379.99 per month'. The page is organized into tabs: 'General Information' (selected), 'Assembly Options (7)', and 'Contact Information'. The 'General Information' section is divided into 'Order Details' (Order ID: 589946637, Contract: 10045876, Transaction Date: 6 May 2018, Expected Delivery Date: 23 June 2018, Production Start: 2 June 2018) and 'Configuration Details' (Model: Robot Arm Series 9, Axis: 6 Axis, Color: White (default), Leasing Rate: £ 379.99 per month, Socket: Default Socket 10). The 'Assembly Options (7)' section contains a table with 7 rows, each representing a different base option with its code, supplier, availability, additional information, and price.

Option	Option Code	Supplier	Availability	Additional Information	Price
Concrete Base	CO_837017	Angéré	Available in 11 days	Will be installed by subcontractor	£ 397.00
Duo Concrete Base	CO_837018	Angéré	Available in 11 days	Will be installed by subcontractor; for 2 arms	£ 597.00
Steelwork Base	SW_57331	DelBont Industries	Available	Can be installed by purchaser	£ 485.00
Duo Steelwork Base	SW_57332	DelBont Industries	Available	Can be installed by purchaser; for 2 arms	£ 654.00
Harvest Line Integration	HL_12358	Anav Ideon	Available	Will be installed by subcontractor	£ 430.00
Mobile Trailer Base	MT_142536	Jologa	Available	Works with common trailer hitches	£ 799.00
Duo Mobile Trailer Base	MT_142537	Jologa	Not Available	Works with common trailer hitches; for 2 arms	£ 1,287.00

List report pages let users view and work with a large set of items

List report page created with SAP Fiori elements

Standard Open in Sales Analysis

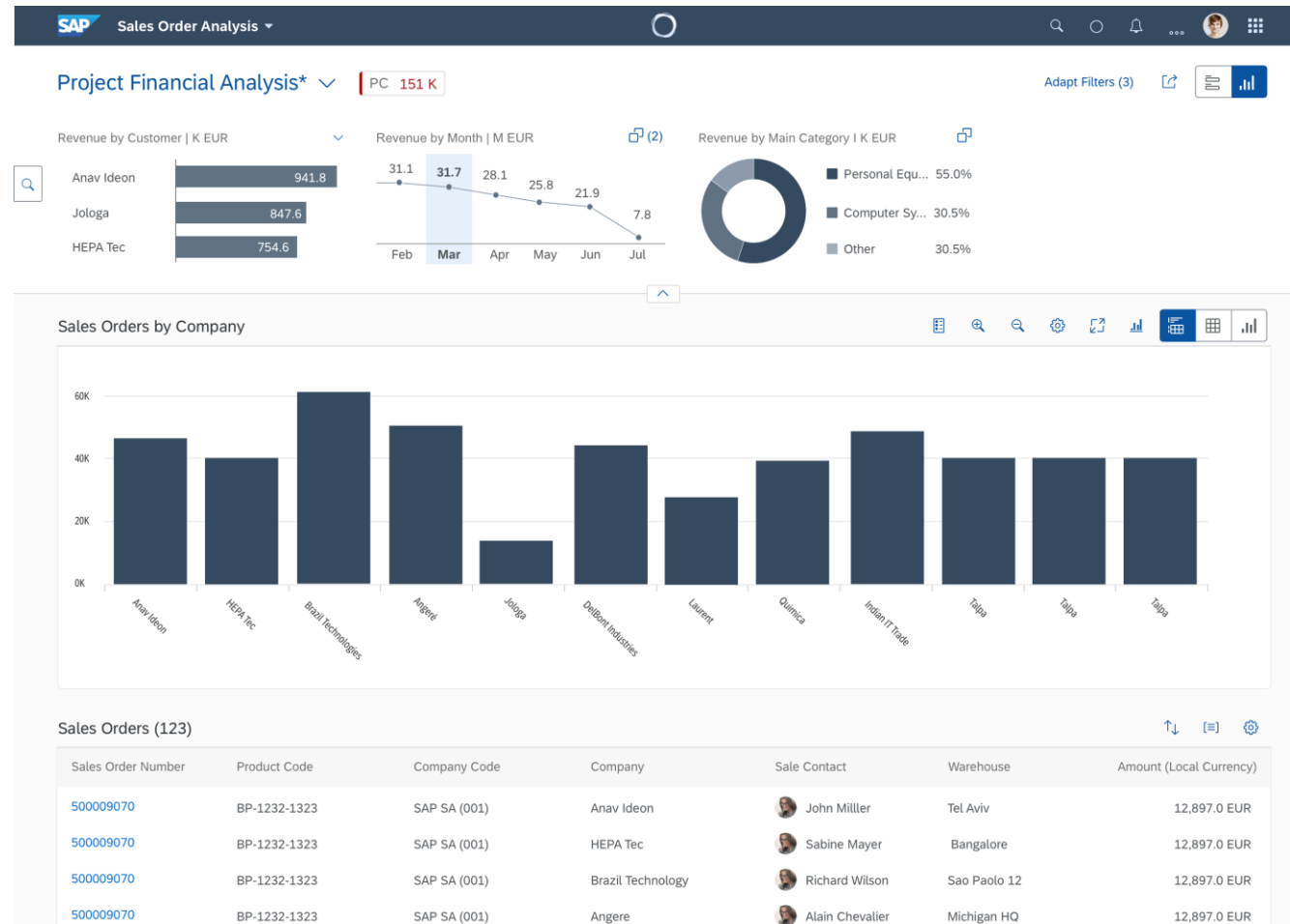
Search Company: Sales Contact: Warehouse: Document Date: Adapt Filters (2)

Sales Orders (18) Add Remove Calculate Sale Spread

Sales Order Number	Product Code	Company Code	Company	Sale Contact	Warehouse	Amount (Local Currency)
500009070	BP-1232-1323	SAP SA (001)	Anav Ideon	John Milller	Tel Aviv	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	HEPA Tec	Sabine Mayer	Bangalore	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	Brazil Technology	Richard Wilson	Sao Paolo 12	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	Angere	Alain Chevalier	Michigan HQ	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	Jologa	Dona Moore	Lisabon 12H	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	DelBont Industries	Elena Petrova	Main LZ123	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	Anav Ideon	John Milller	Tel Aviv	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	HEPA Tec	Sabine Mayer	Bangalore	12,897.0 EUR
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500009070	BP-1232-1323	SAP SA (001)	Angere	Alain Chevalier	Michigan HQ	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	Jologa	Dona Moore	Lisabon 12H	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	DelBont Industries	Elena Petrova	Main LZ123	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	Anav Ideon	John Milller	Tel Aviv	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	HEPA Tec	Sabine Mayer	Bangalore	12,897.0 EUR
500009070	BP-1232-1323	SAP SA (001)	Brazil Technology	Richard Wilson	Sao Paolo 12	12,897.0 EUR

Analytical list pages enable users to analyze data from different perspectives

Analytical list page created with SAP Fiori elements



SAP Fiori elements accelerates application development

Benefits

Shrink development time and effort

Ensure design consistency

Reduce amount of front-end code needed to build SAP Fiori apps

Reduce the cost of app development compared to custom coding

Improve user satisfaction

Capabilities

Provides design patterns for most common SAP applications

Covers 80% of business scenarios with patterns for:

- Overview page
- List report
- Analytical list page
- Object page
- Worklist

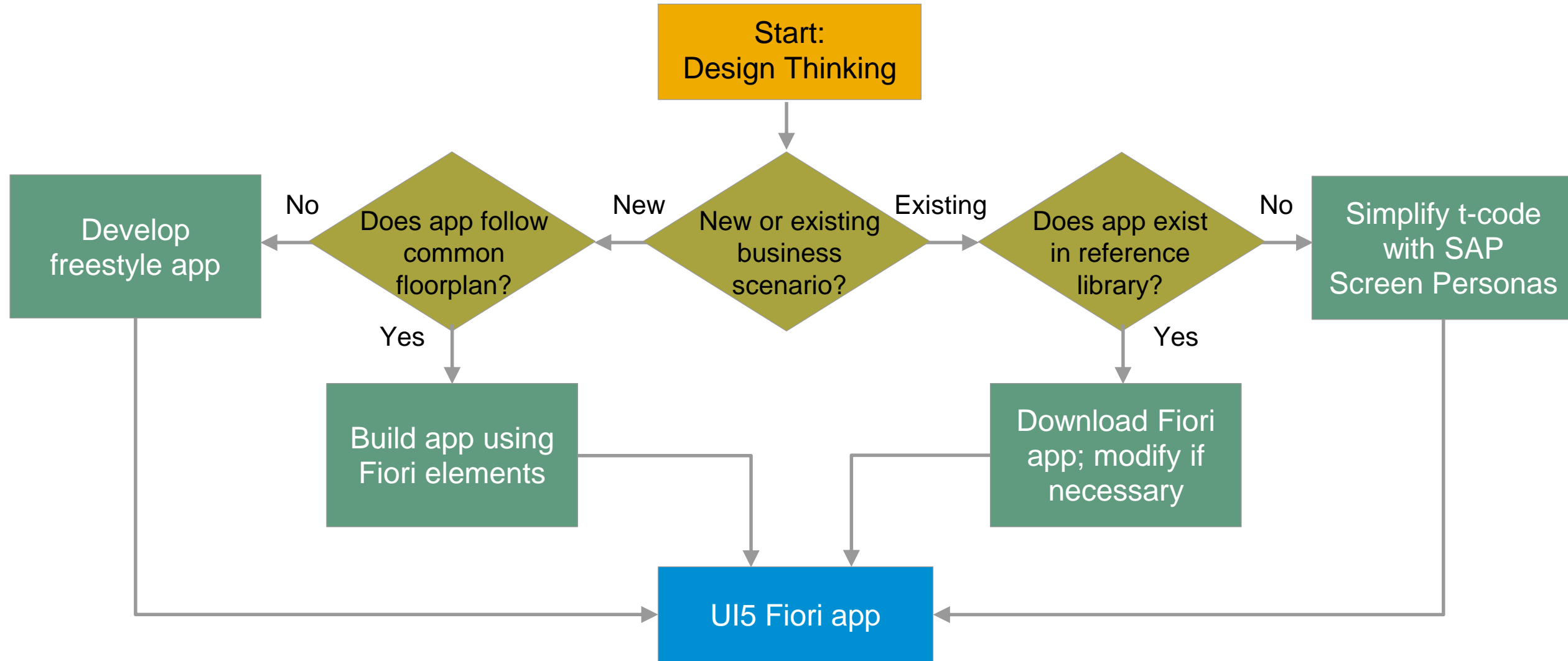
Includes responsive and adaptive actions for creating mobile apps

Utilizes SAPUI5 controls

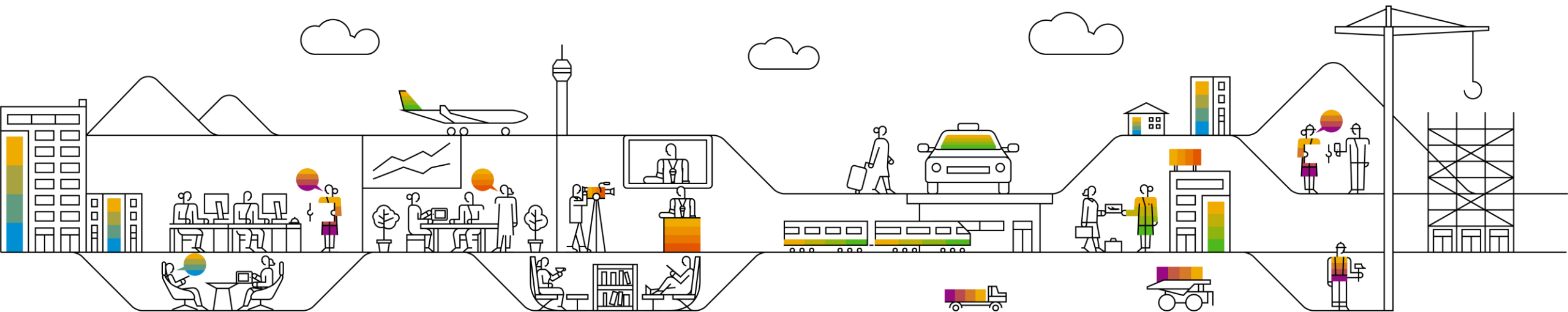
Incorporates metadata editor to annotate screen objects

The image displays several SAP Fiori application screens. The top-left screen is 'Procurement Overview' showing a dashboard with 'Reference Apps', 'Team Members', and 'Quick Links'. The top-right screen is 'Sales Order' for 'Robot Arm Series 9', showing details like 'Status: Delivery', 'Delivery Time: 12 days', and 'Leasing Rate per month: £ 379.99'. The middle-left screen is 'Manage Sales Order' showing a table of sales orders with columns for Sales Order Number, Product Code, Company Code, Company, Sales Contact, and Warehouse. The middle-right screen is 'Sales Order Analysis' showing 'Project Financial Analysis' with charts for 'Revenue by Customer', 'Revenue by Month', and 'Revenue by Main Category'. The bottom-right screen is 'Sales Order Worklist' showing a list of sales orders with columns for Sales Order Number, Product Code, Company Code, Company, Sales Contact, Warehouse, and Amount.

Simple guidance for delivering the SAP Fiori user experience



Next steps



SAP Screen Personas resources to accelerate your UX journey



Practitioner Forum

<http://link.personas.help/PractitionersForum/Signup>



Product Support Page

<https://wiki.scn.sap.com/wiki/display/Img/SAP+Screen+Personas+Product+Support>



Flavor Gallery

<http://link.personas.help/SAPScreenPersonasFlavorGallery>



SAP Press E-Book

https://www.sap-press.com/using-sap-screen-personas_3975/



openSAP courses

<https://open.sap.com/courses/sps2> (Introduction)
<https://open.sap.com/courses/sps3> (Advanced scenarios)
<https://open.sap.com/courses/sps4> (Mobile development)



Product Page

<http://www.sapscreenpersonas.com>

SAP Fiori elements resources to accelerate your UX journey



Design Guidelines

<https://experience.sap.com/fiori-design-web/overview-page/>



Developer Documentation

<https://sapui5.hana.ondemand.com/#/topic/03265b0408e2432c9571d6b3feb6b1fd>



SAP Fiori elements on SCN

<https://wiki.scn.sap.com/wiki/x/843iGg>

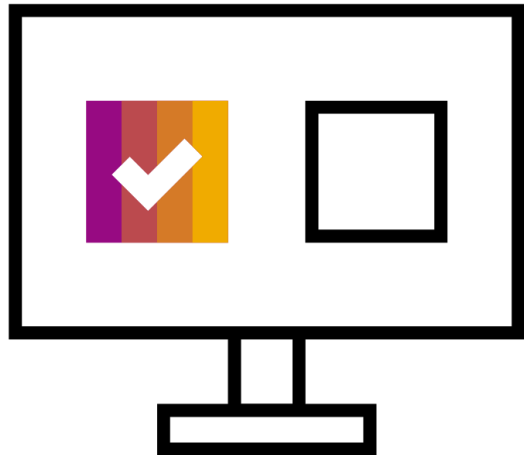
Beginning your SAP UX transformation journey

- ☑ Identify UX transformation champion
- ☑ Have UX transformation champion take the relevant openSAP courses
- ☑ Complete a pilot project
- ☑ Go live into production

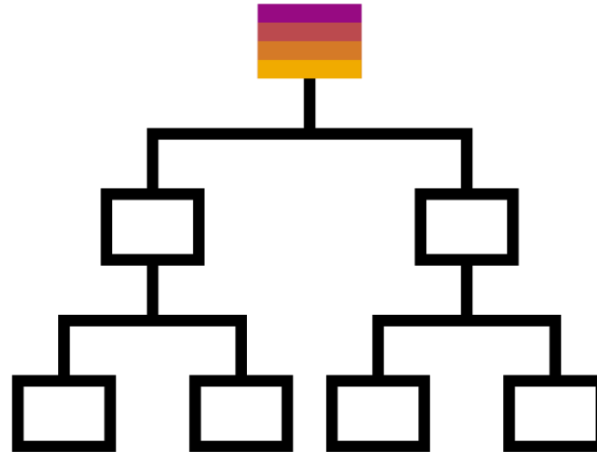


3 things to remember after SAPPHIRE

1. UX transformation drives agility



2. SAP has many options for you



3. Start today to build your intelligent enterprise



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Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

<http://info.asug.com/2019-ac-slides>

Q&A

For questions after this session, contact us at peter.spielvogel@sap.com and sebastian.steinhauer@sap.com.

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Thank you.