

Speed with Style - Why and How Customers are Moving to S/4HANA Fashion and Vertical Business



ASUG Session: 84561

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7 May 2019

THE BEST RUN



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Agenda

The Vertical Fashion Story at SAP

Fashion Customer Update

Fashion Influence

Fashion Roadmap Update

Retail and Fashion

A Strategic Industry

208 of the 250 top retailers in the world run SAP:



18 of the 20 top Fashion, Apparel and Footwear brands in the world



18 of the 25 fastest growing retailers in the world

13,400+ Retail customers in 121 countries

End-to-end fashion retail processes on a real-time platform

Deep, **fashion-specific** capabilities

Embedded, preconfigured **best practices**

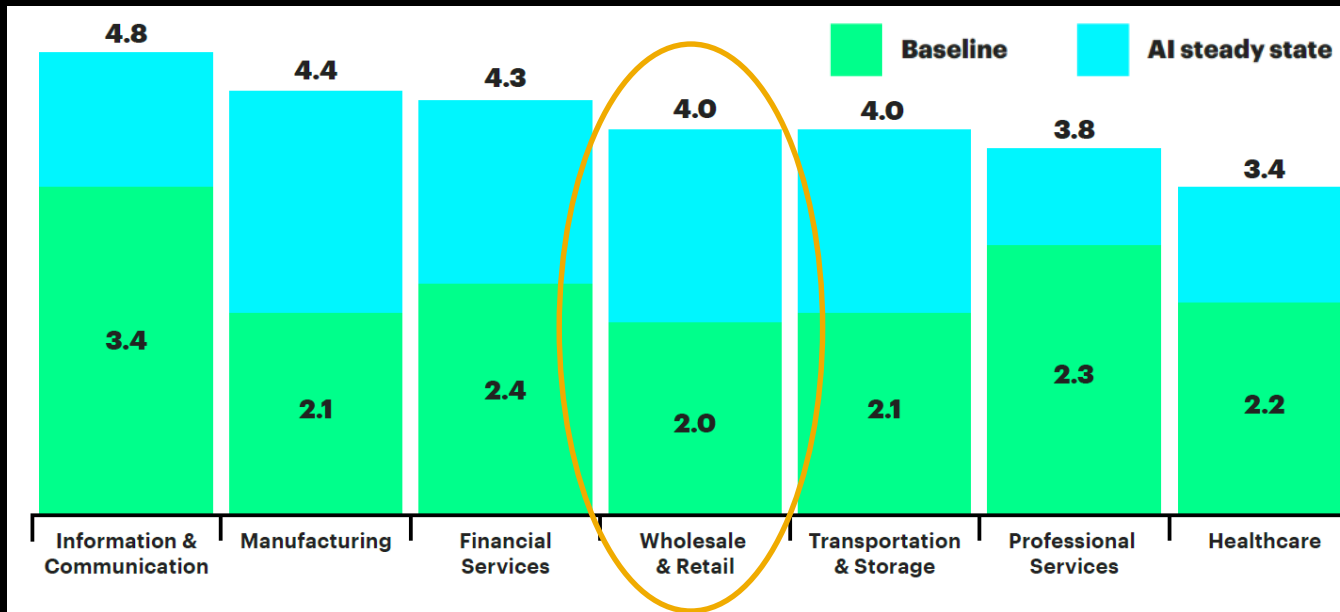
Clear Industry **road map**



86% of the Brands/Retailers in the Forbes Global 2000 are **SAP customers**

Why does the Intelligent Enterprise matter?

To help Drive Growth and Profitability



AI has Potential to double the industry growth rate by 2035 ...

.. and drive 60% increase in Profitability

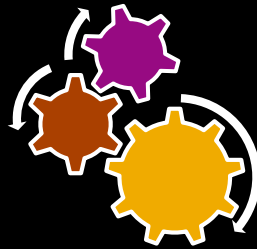
The Future of Vertical Business is Now

The Key Drivers

Business Agility
Transact Anyhow,
Anywhere



Faster everything
Sustainability
Circular Economy



Advanced analytics
Deep insights



Buy, fulfill, return anywhere
On shelf availability
Collaborative purchasing &
manufacturing



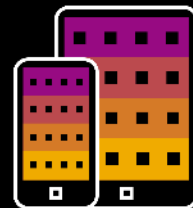
Global view of consumer,
inventory, styles,
sizes & segments



Personalized products
Serve Customer by name
Consistency



User experience
Mobility first
Smart Beacons



Intelligent Planning
Machine Learning,
Artificial intelligence



Digitization of stores
Internet of Things
Virtual Reality

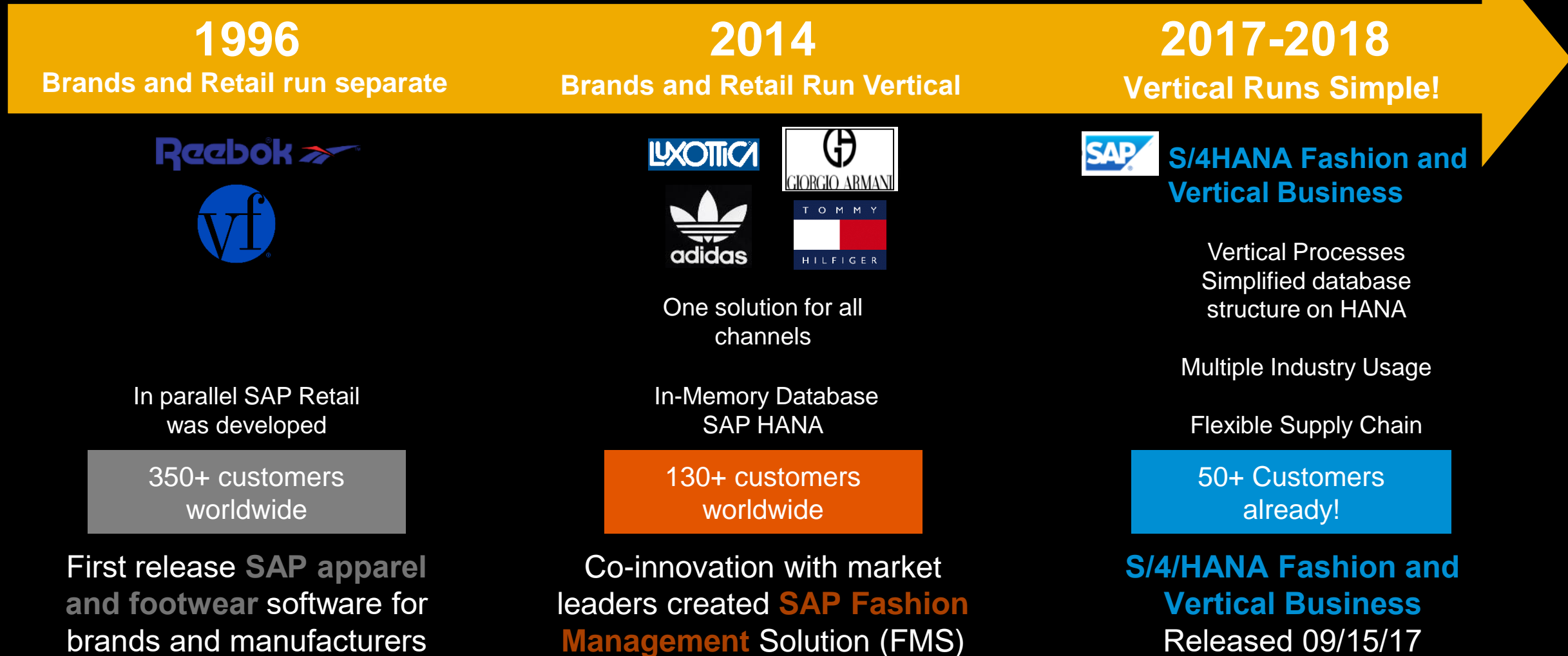


New business models



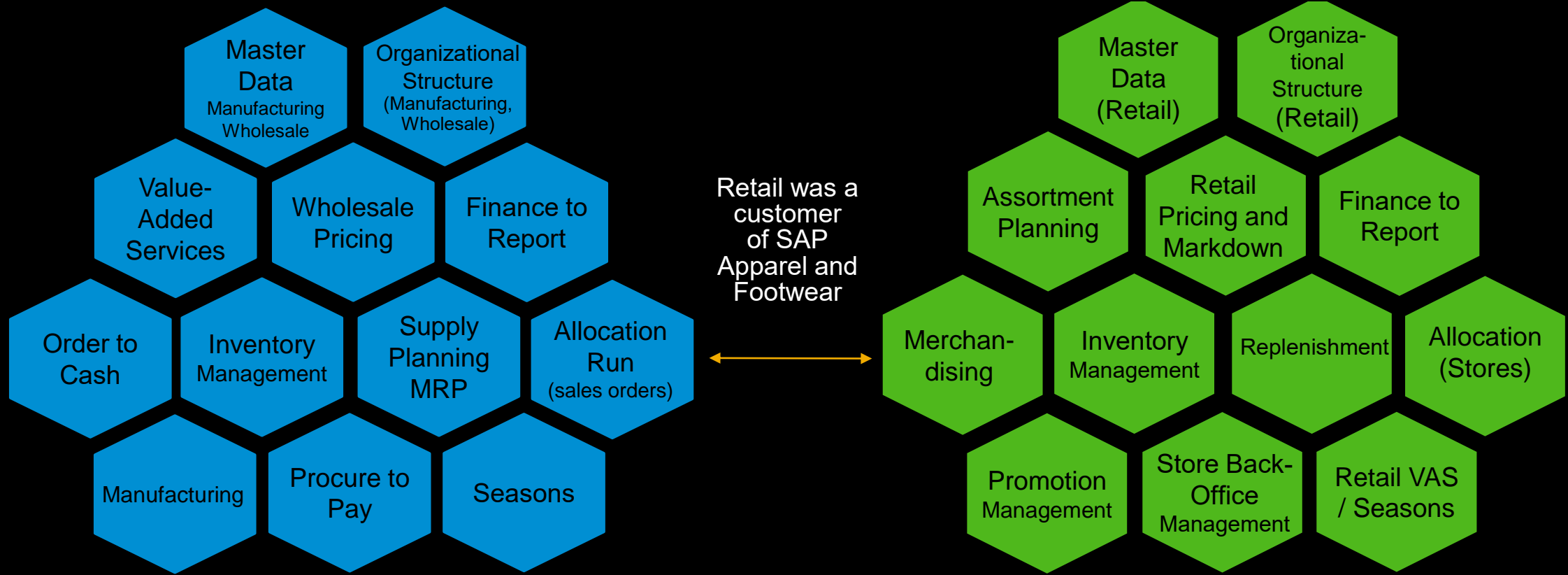
SAP's Vertical Business Solutions Since 1996

Innovation Accelerating with Leading Fashion Customers



The Starting Point: Historic World-Class Solutions

Originally Businesses were Silos with Separate Systems



Optimizing Wholesale / Manufacturing With SAP Apparel and Footwear (AFS)

Conventional database only

Running Merchandising / Store Distribution, with SAP Merchandizing for Retail

SAP HANA in-memory computing or conventional database

MRP = Material requirements planning

AFS and SAP Retail have supported fashion businesses since 1995/6

SAP S/4HANA for Intelligent Enterprises

A Historic Opportunity to Run One Simple S/4HANA Platform for All Channels

SAP S/4HANA Fashion and Vertical Business Harmonized Processes on a Simplified S/4 Platform

One ERP for all channels for dramatic simplification e.g. eliminate PO-SOs from retail to wholesale

Harmonized Processes on a simplified S/4HANA DB to reduce silos, simplify and run a global vertical business

Single Global Inventory to help reduce safety stock and retail stock-outs while increasing customer service, inventory turns and profitability

One Set of Master Data for all channels improves accuracy and speed to market

Standard solution on S/4HANA provides ground breaking processes e.g. Advanced ATP and Supply Allocation (Arun) for all channels and industries

Strategic S/4 HANA platform with roadmap, influence channels

Standard Tools to get There
Conversion from ERP

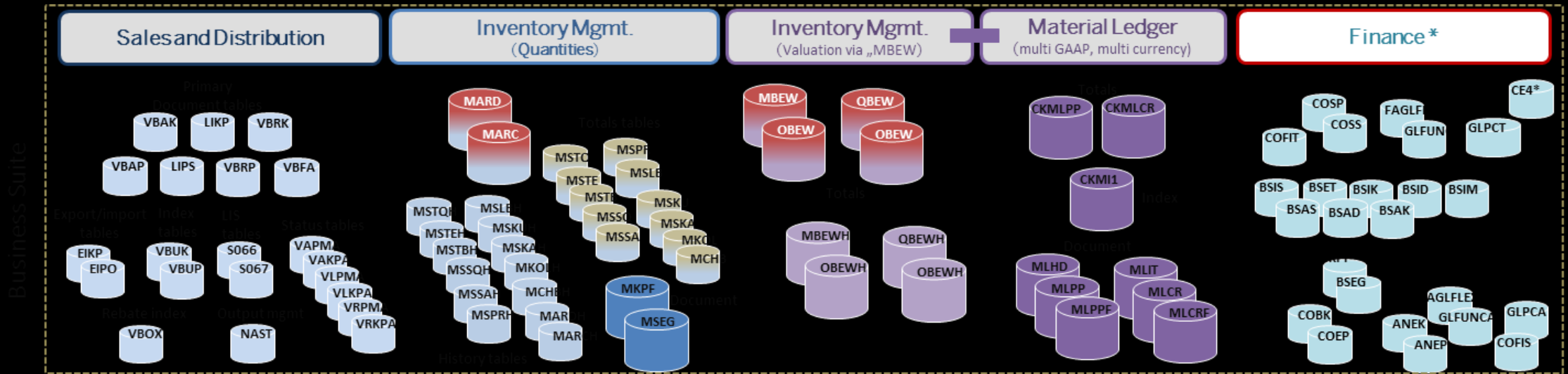


S/4 Fashion = S/4HANA Fashion and Vertical Business
S/4 Fashion is based on S/4HANA Retail Merchandising
FMS = SAP Fashion Management solution (Suite on HANA product)

MRP = Material requirements planning
P2P = Procure to pay

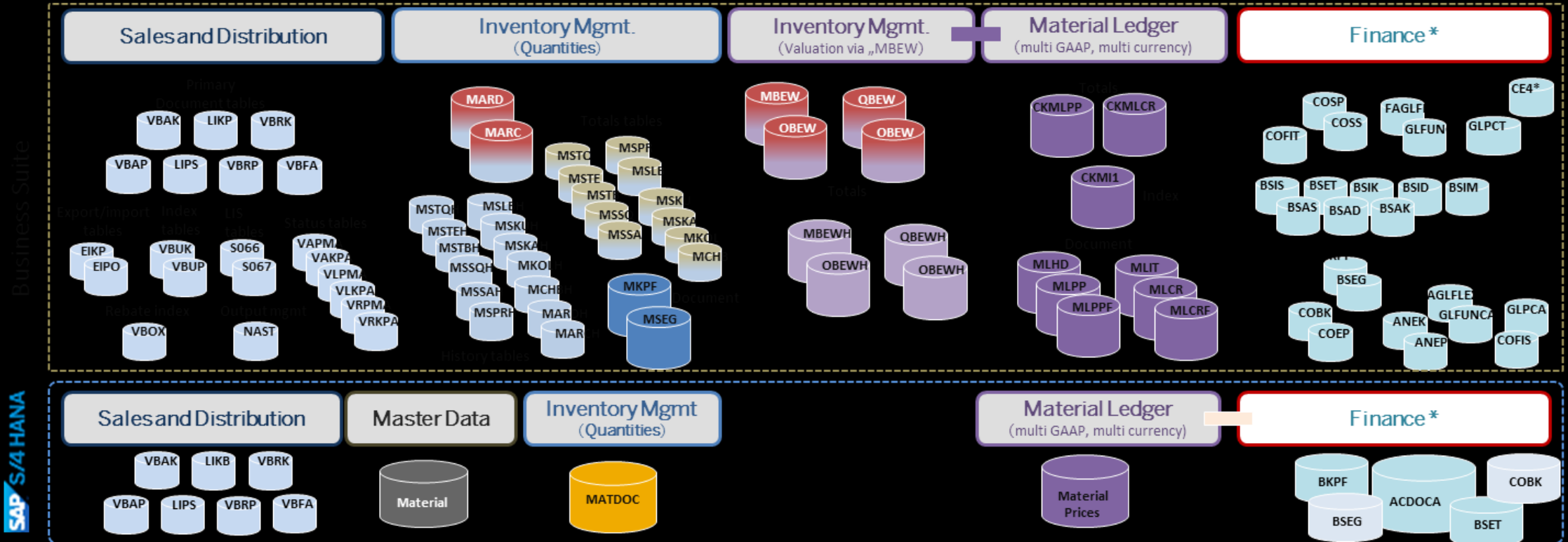
S/4HANA

Brings Data Model Simplification



S/4 HANA Principle of One

Data model simplifications



SIMPLE DATA MODEL

- Only main tables remaining, no redundancies
- Clear separation of master data from transactional data
- Reduction of memory footprint

PRINCIPLE OF ONE

- Only one valuation method (Material Ledger instead of 2 (IM+ML))
- Flexible rebate management instead of cumbersome and expensive redundancies
- Only one Seasonal method, only one Value Added Services method

THROUGHPUT INCREASE

- INSERT only on database level (MM-IM) no locks for standard prices valuation

* Actual Data Only Not displayed in lower part Profit Center Accounting, Cost Based CO-PA, Reconciliation Ledger

SAP S/4HANA in Inventory Management - Example



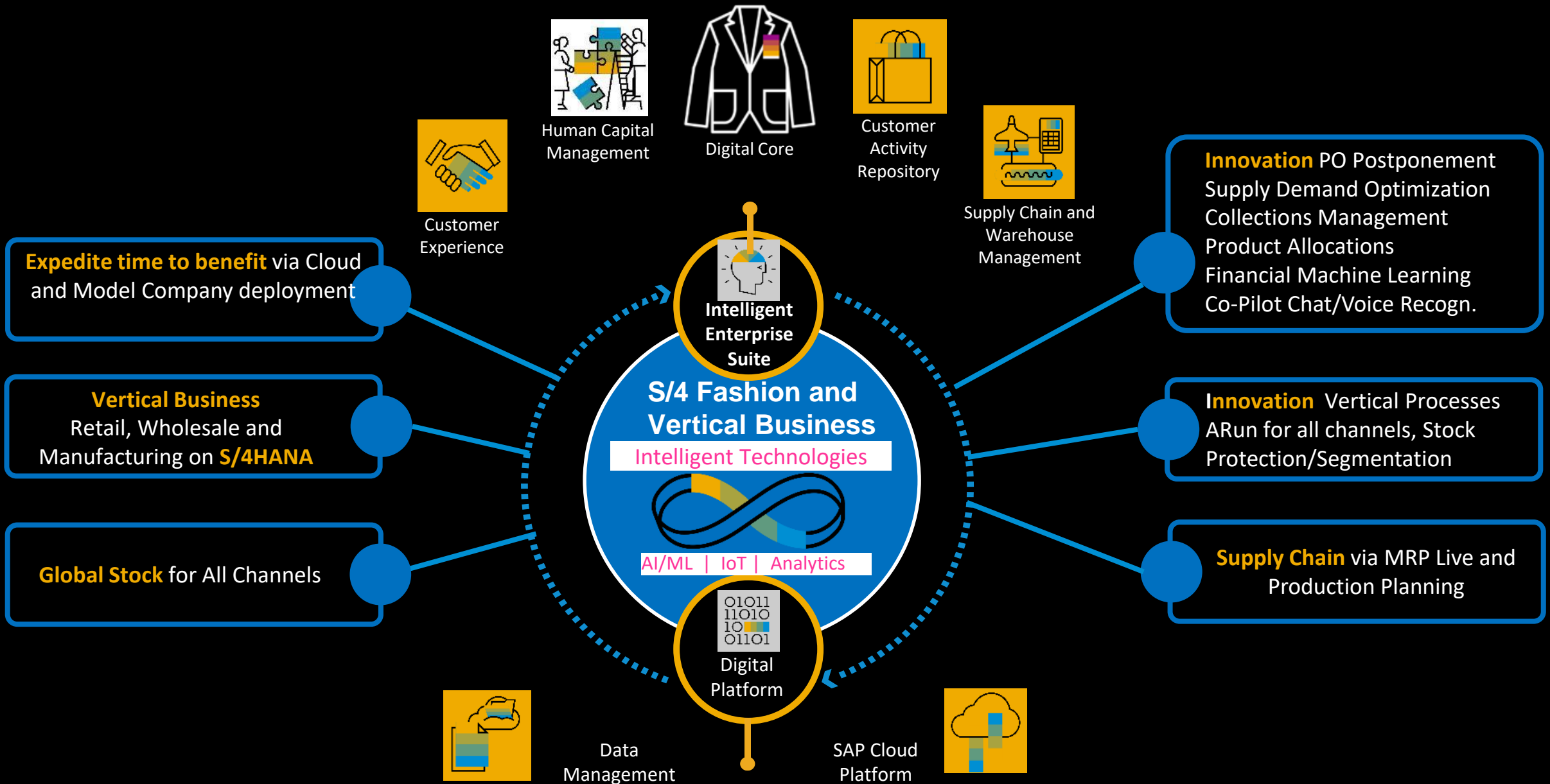
SAP S/4HANA Inventory Management with aggregates and indices

no indices

no aggregates



no redundancies

SAP Delivering the Intelligent Enterprise for Vertical Businesses



Fashion Article for Style/Color/Size

Returning Fashion to a standard architecture with SAP S/4 Fashion

																	
<table><thead><tr><th>Variants</th><th>UPC</th></tr></thead><tbody><tr><td>Small</td><td>UPC 1</td></tr><tr><td>Medium</td><td>UPC 2</td></tr><tr><td>Large</td><td>UPC 3</td></tr></tbody></table>	Variants	UPC	Small	UPC 1	Medium	UPC 2	Large	UPC 3	<table><thead><tr><th>Variants</th><th>UPC</th></tr></thead><tbody><tr><td>Small</td><td>UPC 4</td></tr><tr><td>Medium</td><td>UPC 5</td></tr><tr><td>Large</td><td>UPC 6</td></tr></tbody></table>	Variants	UPC	Small	UPC 4	Medium	UPC 5	Large	UPC 6
Variants	UPC																
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Example S/4 Fashion Sales Order Structure with color in the generic article e.g. Style/Color

S/4 Fashion Sales Order Header

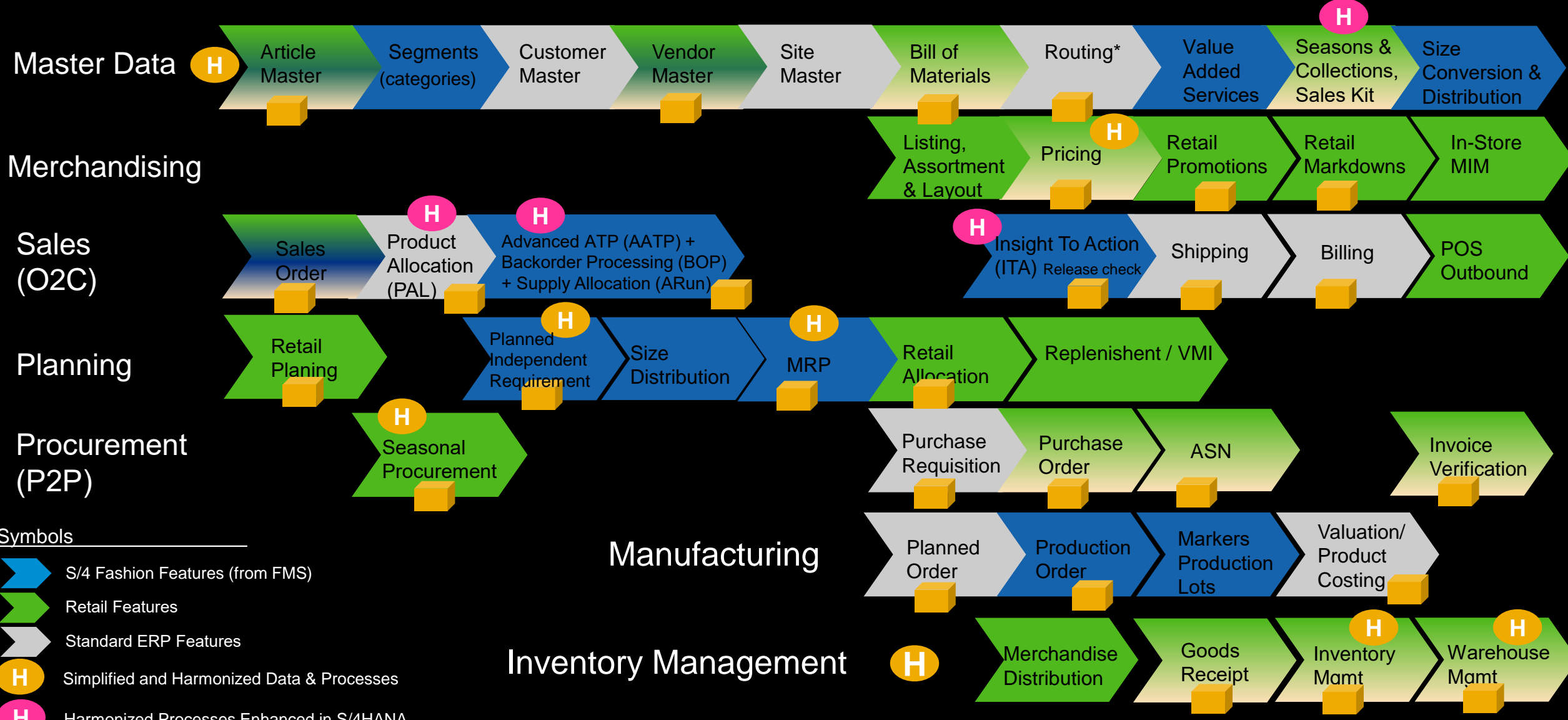
Item = Generic Article = **Style/Color**

Sub-Items = Variant (material) = **Sizes**

Schedule Line (confirmed qty/date)

SAP S/4HANA Fashion with SAP S/4HANA Retail

Fashion Processes for all sizes and colors



*Vertical processes need SAP S/4HANA Fashion and Vertical Business with SAP S/4HANA Merchandising for Retail

Fashionably Beautiful Screens with Fiori

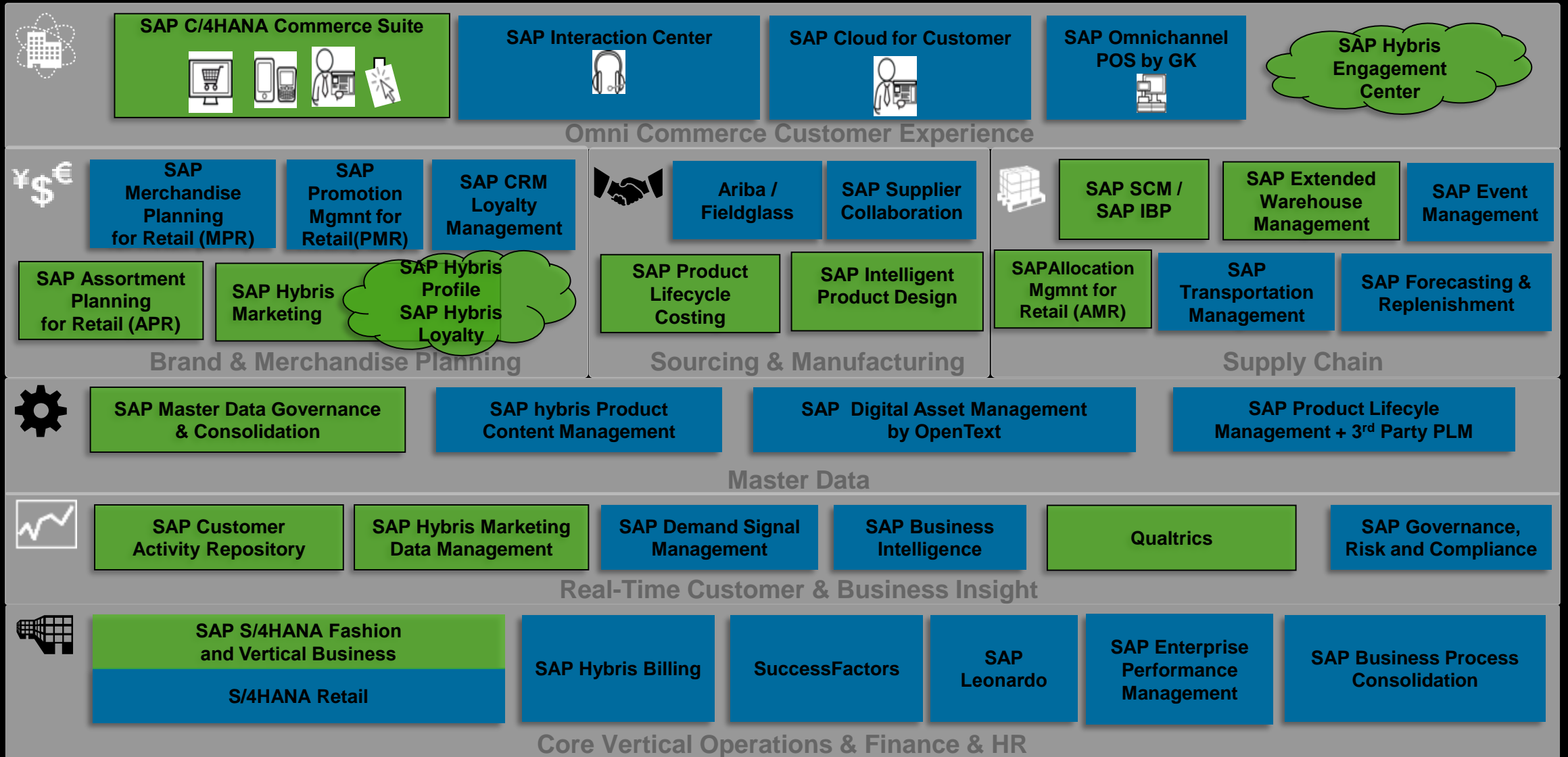
The new way to see, transact, analyze and gain insight from data

The image displays three screenshots of the SAP Fiori Launchpad interface. The first screenshot on the left shows a user profile for Kate Jacob, with a navigation bar containing icons for Home, Settings, Help, Edit, and More. Below the navigation bar is a 'Recent activity' list with items like 'Create sales quote - Draft' and 'GPX II line - Clarify shortage & backorders'. The middle screenshot shows a 'My Home' dashboard for an 'Internal Sales Representative'. It features several widgets: 'Aerial MT Pro Light' with a 'By Quarter' chart, 'US Profit Margin' showing '88 M' for 'EUR, Current Quarter', a 'Wind Map' for monitoring real-time and forecasted wind conditions, and 'Cumulative Totals Expenses' showing '1762'. Below these are 'Comparative Annual Totals' by region (Americas, EMEA, APAC) and 'My Appointments'. The bottom section of the dashboard lists various views like 'My Opportunity Builder Cockpit ERP' and 'My Sales Order Fulfillment Overview'. The third screenshot on the right shows a detailed view of a request to 'Promote Account-Classification to "A"'. It includes a request card from Mike McKeenbody, an account summary for 'Dynamics Inc.' with a balance of '\$483,221', and progress bars for 'Credit Limit used' (60%) and 'Payment in Time' (82%).

Fiori Launchpad
as single access point

The SAP Vertical Business Solution Portfolio

Agility for the Customer based on a Stable Core

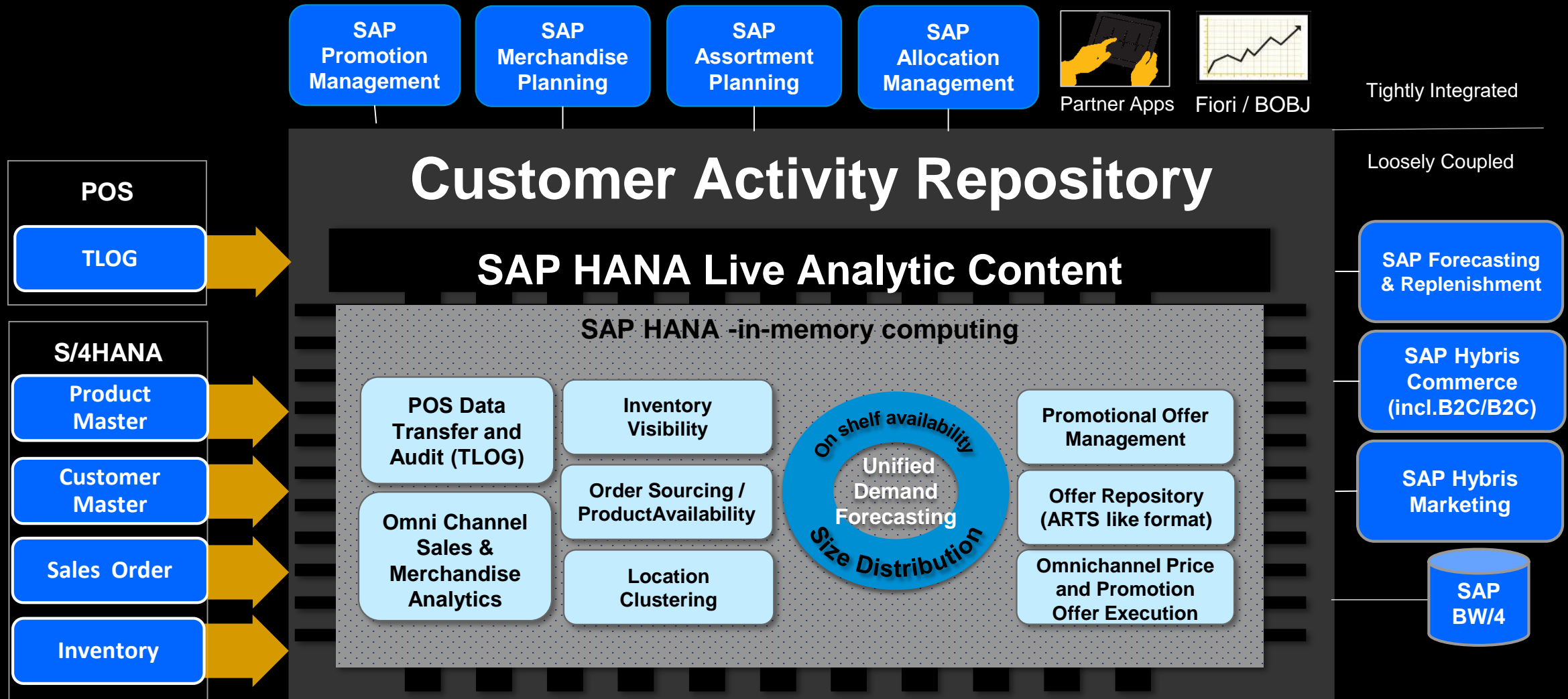


Powered by SAP HANA

Now / Recent

SAP CAR Customer Activity Repository

Omnichannel Real-time Consumer Insight Platform



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SAP S/4HANA Fashion and Vertical Business

Customers are Starting with S/4 Finance and/or S/4 Fashion

LAB Preview

Future Direction

S/4HANA 1510	S/4HANA 1610	S/4HANA 1709 FPS0 Sept 2017	S/4HANA 1709 FPS01 Jan 2018	S/4HANA 1709 FPS02 Sept 2018	S/4HANA 1809 FPS0 Sept 2018	S/4HANA 1809 FPS01 Jan 2019	S/4HANA 1809 FPS02 Sept 2019
SAP S/4HANA Finance	Retail Basis in S/4HANA	S/4HANA Fashion and Vertical Business Wholesale	S/4HANA Fashion and Vertical Business Wholesale Enhancements	S/4HANA Fashion and Vertical Business Manufacturing Enhancements	S/4HANA Fashion and Vertical Business Flexible Purchasing Commitments - FPS Supply Demand Optimization - SDO Collections Management Inbound for Outbound - IFO (cross docking) Advanced Returns	S/4HANA Fashion and Vertical Business Enhancements and customer influence	S/4HANA Fashion and Vertical Business Enhancements and customer influence
		ERP-S/4HANA Conversion Tools	ERP-S/4HANA Conversion Tools	ERP-S/4HANA Conversion Tools	ERP-S/4HANA Conversion Tools	ERP-S/4HANA Conversion Tools	ERP-S/4HANA Conversion Tools

Start S/4 Fashion (from 2017 to 2019) Go-Live on S/4 Fashion (from 2018 to 2019)

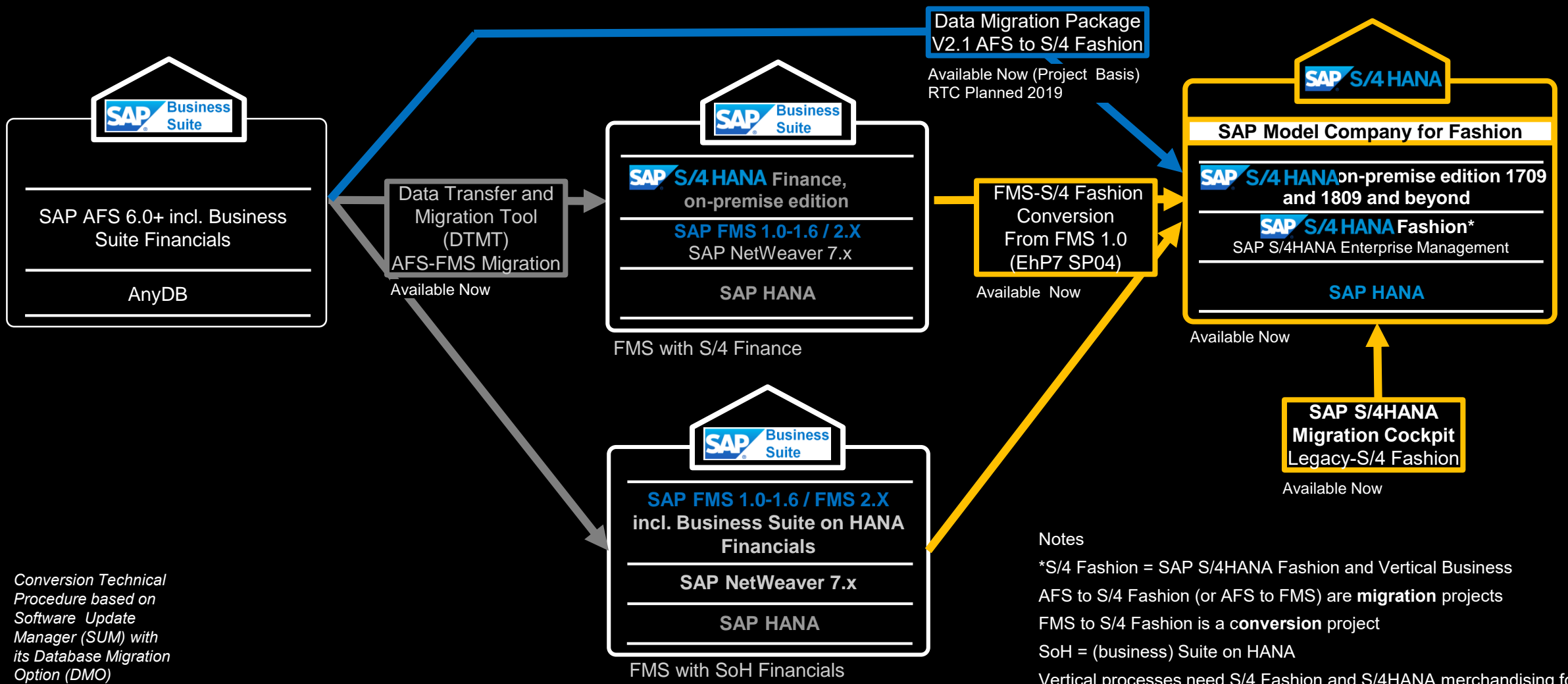
2015 2016 2017 2018 2019

Paths to S/4 Fashion

Migrate from AFS, Convert from FMS with the SAP Model Company

LAB Preview

Future Direction



Conversion Technical Procedure based on Software Update Manager (SUM) with its Database Migration Option (DMO)

Notes
 *S/4 Fashion = SAP S/4HANA Fashion and Vertical Business
 AFS to S/4 Fashion (or AFS to FMS) are **migration** projects
 FMS to S/4 Fashion is a **conversion** project
 SoH = (business) Suite on HANA
 Vertical processes need S/4 Fashion and S/4HANA merchandising for retail
 Planned dates and planned content subject to change

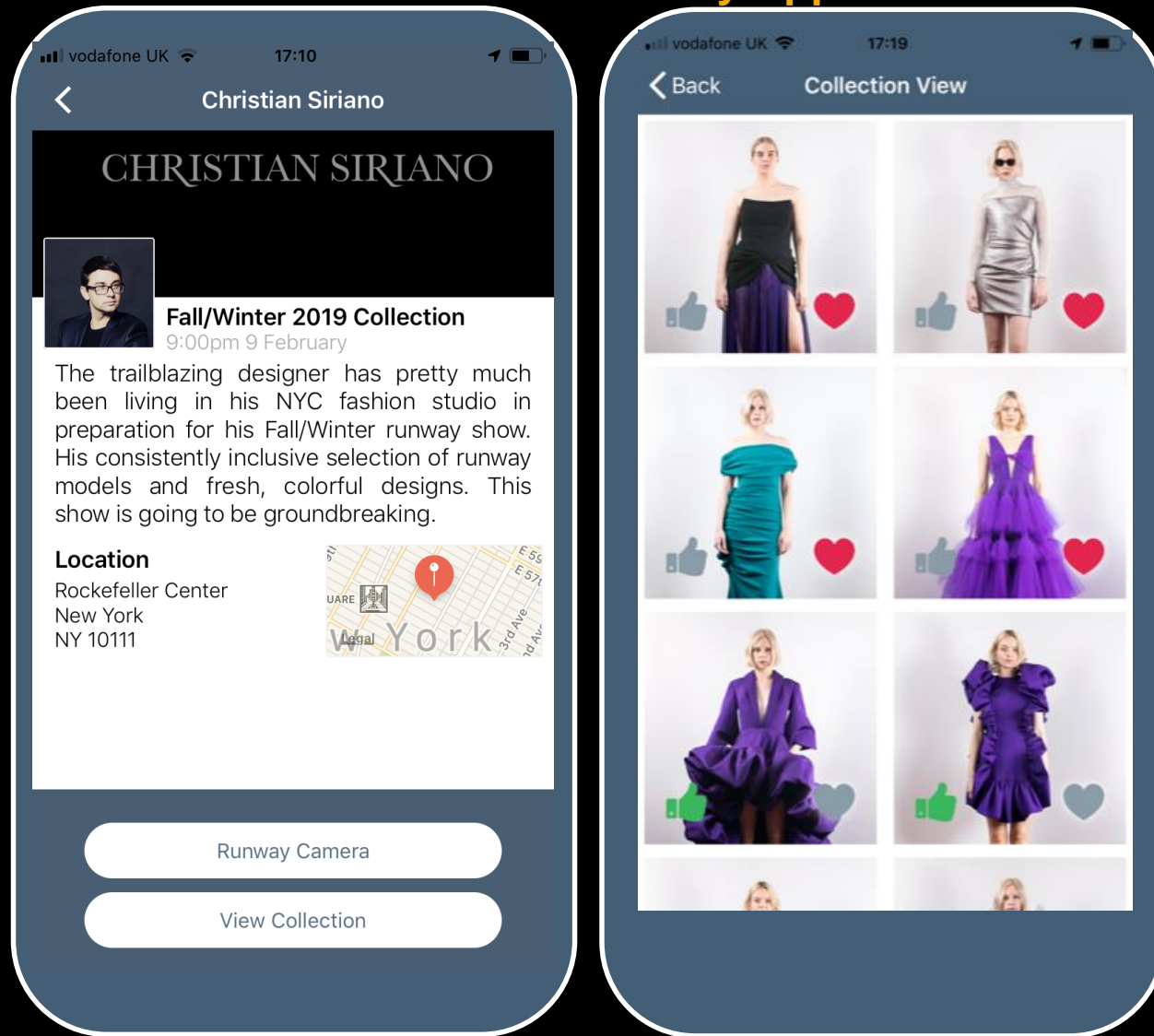
SAP Runway with SAP Leonardo and SCP

Increasing Sales, Brand Strength and Efficiency through disruptive digital technologies



SAP Runway: Increase Margins and Reduce Waste by Understanding What's Loved in Real-Time

SAP Runway App



SAP Runway Leaderboard

Fashion Leaderboard

Fall 2019 – TOP TEN LOOKS

- 1 KHAKI WOVEN TRENCH DRESS / WHITE ANKLE PANTS
- 2 PINK LACE DRESS WITH POCKETS AND TIE WAIST
- 3 RED LONG SLEEVE DRESS WITH BELT AND RUFFLE SLEEVE DETAIL
- 4 WHITE DRESS WITH EMBROIDERY
- 5 FLAME WOVEN SHIFT DRESS WITH FRINGE NECK DETAIL
- 6 WHITE HI-LO GOWN WITH GOLDEN FLORAL DETAIL
- 7 BABY BLUE CHIFFON SKIRT / SILK OVERLAY TANK WITH FLORAL DETAIL
- 8 ICE BLUE DRESS WITH POCKETS AND FEATHER DETAILS
- 9 PINK SLEEVELESS BALLGOWN WITH FLORAL APPLIQUE AND EMBROIDERY
- 10 FLAME WOVEN DRESS WITH BELT / WHITE ANKLE PANTS

SAP Runway: Invite your Customers to the Show – Wherever They Are

Recognize the Style

SAP Leonardo IoT:-

- Bluetooth Beacons on outfits
- Machine Learning of outfits with camera

Love and Like in Realtime Worldwide

SAP iOS SDK

- Record loves and likes, see outfit details
- Product catalog with KIT

Realtime Leaderboard

SAP Cloud Platform SCP + ML
See most loved/liked styles in real-time



Bluetooth Beacon



ML Visual Recognition



Bluetooth Beacon



ML Visual Recognition



Bluetooth Beacon



ML Visual Recognition



Customer 1



Customer 2



Customer N

Fashion Leaderboard

Fall 2019 – TOP TEN LOOKS

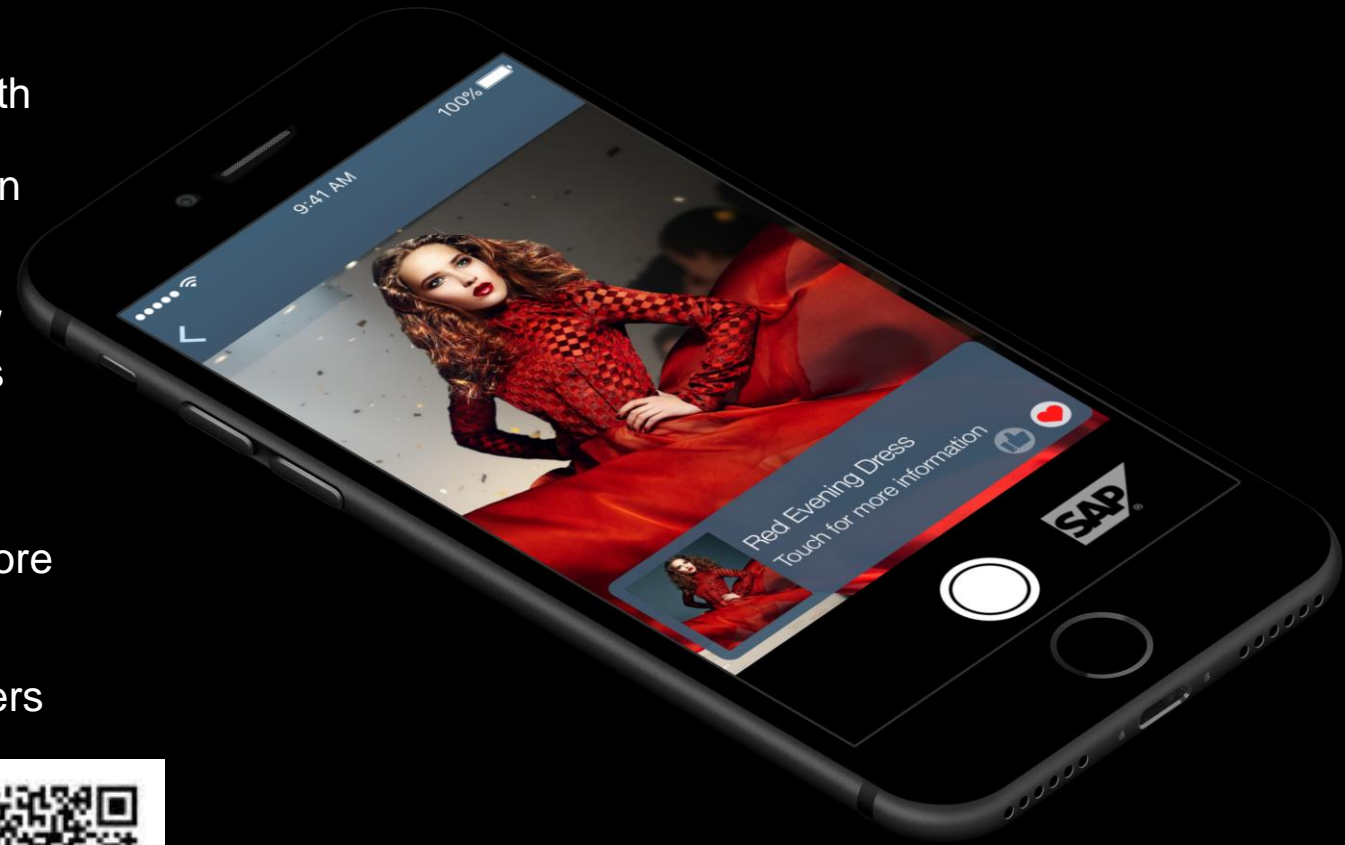
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Fashion Innovation

SAP Runway: A New Experience for Fashion Designers and their Fans

SAP Runway

- Created '**Runway by SAP**' prototype app on SCP with multi-tenant/ multi-designer/ multi-show plus SAP Leonardo ML and IoT Beacons to recognize outfits on complex runways
- **Successful launch** at Christian Siriano show NYFW Feb 9th 2019 where fans voted in real-time on outfits
Press: Links [WWD](#) and [BBC](#)
- Designers **improve margins and reduce waste** by:
Not waiting until goods are already made and in store
Make more of what's loved in the app
Make Less of what's ignored in the app
Creating a unique experience with their consumers
- **Download the app** and vote now!
Apple App Store: search for 'Runway by SAP'
Or point your iPhone camera at this QR code
(Android based on customer demand)



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**INTELLIGENT
FASHION**

**MOVES
FASTER**

**SAP Fashion Council Spring 2019
13-14 March at adidas World of Sports
Herzogenaurach, Germany**

25 Fashion Customers, C level
Invitation Only, Meets 2X per year

Goals: Understand SAPs Fashion and Vertical Business Roadmap
Strategic Influence, Education and Networking

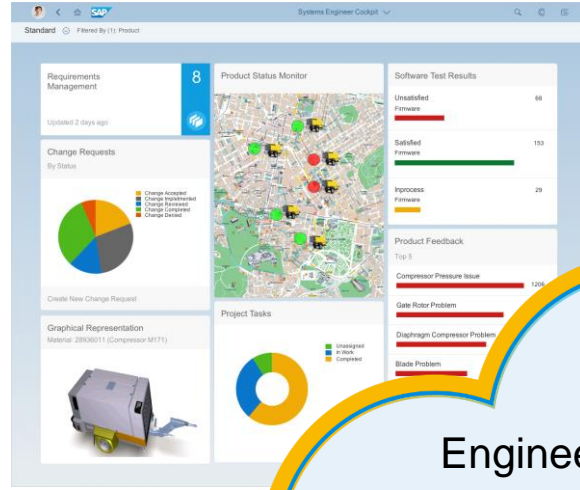


S/4HANA Cloud for Intelligent Product Design

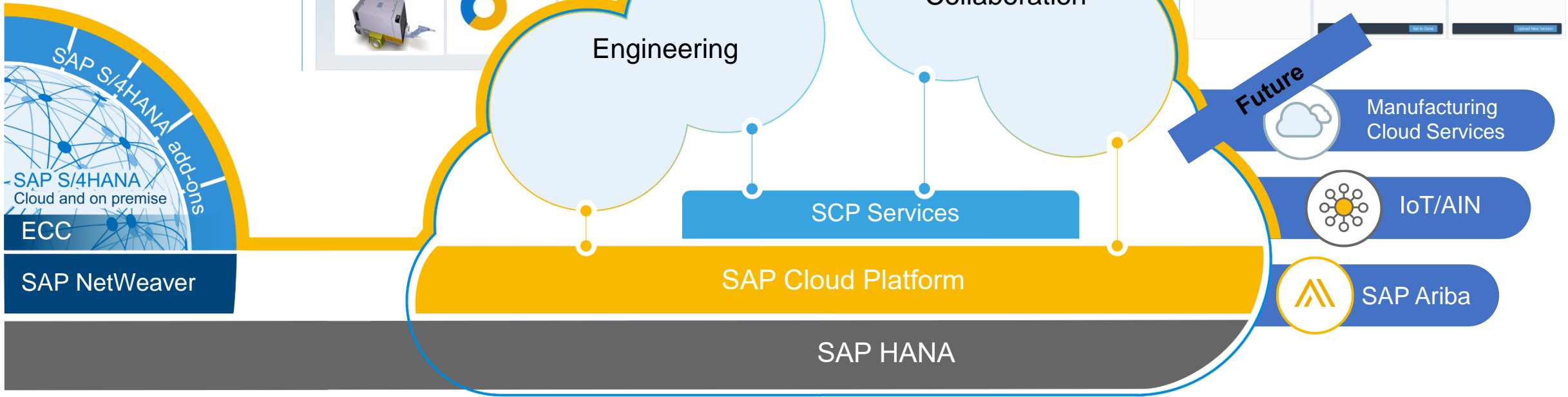
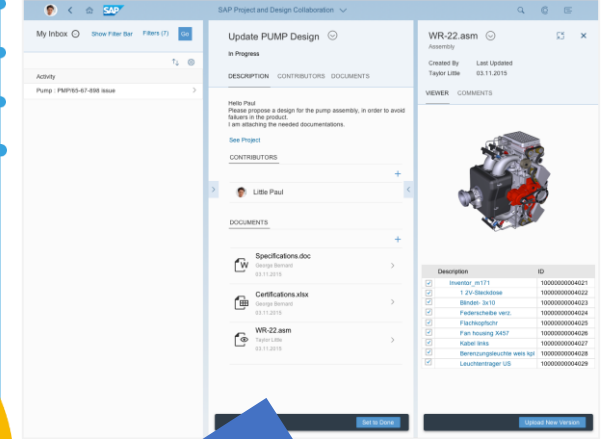


S/4HANA cloud for Intelligent Product Design helps to **accelerate product innovation** with **instant collaboration**, **requirement driven product development**, and **actionable live insights** across the **extended enterprise**

- Systems Engineer Cockpit
- Embedded SW
- Requirements Management
- Functional Structure Management
- Where Used Analysis
- Compatibility Management
- Test Validation
- IOT Analytics



- Requirement Driven Engineering Collaboration
- Collaborative Documents & 3D Visual Design
- Simple Task/Worklist Management
- Change Management Integration



Apparel Footwear and Fashion (AFF) ASUG SIG User Group

14+ Years of Customer Influence on Fashion

ASUG AFF Special Interest Group Meets in Orlando and Customer Sites with over 100 attendees

2005
Houston, TX



2006
Seattle, WA



2015
St. Louis, MO



2007
Richardson, TX



2008
Fort Wayne, IN



2016
ASUG Fall AFF Webinars



2009
Hudson, NH



2010
Beaverton, OR



2017
Burlington, VT



2011
Burlington, VT



2012
St. Louis, MO



2018
Portland, OR



2013
San Francisco, CA



2014
Portland, OR



AFF SIG at SAPPIRE
5-7 May 2019, Orlando, FL
AFF SIG Fall Meeting at Wolverine World Wide
October 2019, Rockford, MI

Agenda

The Vertical Fashion Story at SAP

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SAP S/4HANA On Premise Retail, Fashion and Vertical Business

2017 – Recent innovations¹

Retail and Fashion Foundation

- Merchandise management – Master data
 - Enhance material/article harmonization
 - Enhanced distribution scenarios for generic article and site master
- Merchandise management - In-Store Merchandising
 - Transfer Products app
 - Fiori app enhancements for
 - Order Products
 - Lookup Retail Products
- Merchandise management – Logistics
 - Structured articles with full products
 - Master data maintenance
 - Support in logistical processes
 - Support MRP areas for special processes
- Merchandise management – User interface
 - Improved usability of selected key transactions in Fiori for classical GUI
 - Object Pages for product, site, allocation table

Wholesale Fashion Enablement

- Supply Assignment (Order Allocation Run)
- Demand and Supply Segmentation
- Logistic enhancements (Multi-Ship to Order with Collective Shipment, Fashion Contract)

2018 – Planned innovations^{1,2}

Retail and Fashion Foundation

- New object page for promotions and enhanced object pages for article and allocation
- Extended Fiori App 'Lookup products': Map for near-by stores
- Enable Fiori Apps 'Transfer products' for mobile RFID antennas
- Fiori App to manage single listings
- EWM integration enhancements for tied empties
- Cross-docking with single-recipient purchase order
- Machine learning GDS integration

Wholesale Fashion enhancements

- Enhanced Stock Segmentation strategies
- Enhance Supply Assignment capabilities
- Flexible Purchasing Commitments
- Collection Execution Management
- Fashion logistic capabilities enhancements

Enable Manufacturing Functionality for Vertical Retail & Wholesale

- Stock Segmentation within manufacturing
- Master production/planned order workbench
- Intelligent Services: Feasibility analysis
- Markers and bundles
- Smart Products: Made to measure
- Enhanced planning features

2019 – Product direction²

Retail and Fashion Foundation

- Provide Fiori App for stock taking with mobile RFID antennas
- Further extend selected generic apps to support retail processes
- Digitally assisted user experience for selected processes, e.g. for store associates

Wholesale Fashion enhancements:

- Advanced Supply Demand Optimization using supply assignment ('ARun') capabilities
- Advanced Flexible Purchasing Commitments
- Advanced Collection Execution Management

Enhance Manufacturing Functionality for Vertical Retail & Wholesale

- Process manufacturing for retail
- IoT: Automated production of individual products
- Digitally assisted shop floor processes

2020 – Product vision²

Retail and Fashion Foundation

- Enable further Fiori Apps for mobile RFID antennas
- Digitally assisted user experience for additional retail processes in key roles
- BW/4HANA content foundation (phased)

Wholesale Fashion & Manufacturing

- Integrated Planning scenario with IBP & Fashion
- Enable Industry 4.0 manufacturing platform for fashion

Vertical Fashion Innovation

LAB Preview

Future
Direction

S/4HANA Fashion innovations to help redefine global fashion supply chains:

Released in 1709 FPS0:

Pack Separately Ship Together PSST

End destination ready shipments for multiple products across many orders e.g. product launch across multiple stores

Planned from 1809 FPS0 (9/21/2018) onwards:

Flexible Purchasing Commitments - FPC

Enable Purchase Order Contracts with postponement of destinations / colors / sizes
until Purchase Orders (POs) are called off from the PO contract as demand signal confidence increases

Supply Demand Optimization - SDO

Adjust inbound POs including Drop Shipments / Third Party Orders to the destinations that need stock most
Simulate multiple allocation runs (ARuns) to determine settings that give the best/optimum service to the right stores, eCommerce orders and potentially wholesale or franchise deliveries

Collections Management

Define, track and analyse the completeness and success of global, regional and country collections

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SAP Fashion Update

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Thank you.