

Digital Transformation – Procurement in Oil & Gas

Dion Graham – Vice President, Procurement & Business Networks, SAP Ariba October 15, 2018



Agenda

Digital Transformation Trends

Services Procurement Collaboration

MRO Inventory Catalogs

Intelligent Technologies

Partnering



SAP's Unmatched Oil and Gas Expertise

83 of the top 95 top oil and gas companies run SAP:



15 of the top 18 fastest growing oil and gas companies



10 of the top 10 oil and gas stock picks



15 of the 16 top exploration and production oil and gas companies

More than
3,300 oil and gas
companies in 118
countries

Our
customers
produce more than
78 million barrels of
oil each day

All lines of business supported on a single platform

Embedded, preconfigured best practices

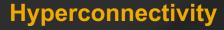
Clear Industry road map



87% of the oil and gas companies in the Forbes Global 2000 are SAP customers.

Technology Trends Enabling Digital Transformation



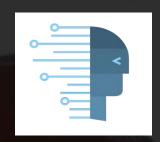


Has moved beyond traditional automation and everyone and everything is connected so data is available now to take action.



Artificial intelligence, machine learning

Creates a smarter world where machines talk to each other making workers smarter and systems more reliable



Augmented reality

Pushes the boundaries of operations and maintenance activities to improve safety and productivity

Digital Trends Transforming the Oil & Gas Industry and Potential Impact



Integrated, digital platforms are enhancing collaboration and reducing costs.



Omnichannel fuel retailers are engaging customers with personalized offerings



Predictive maintenance to anticipate critical equipment failures

\$220 billion

Potential value addition for the industry

6%

Estimated reduction in accidents and injuries

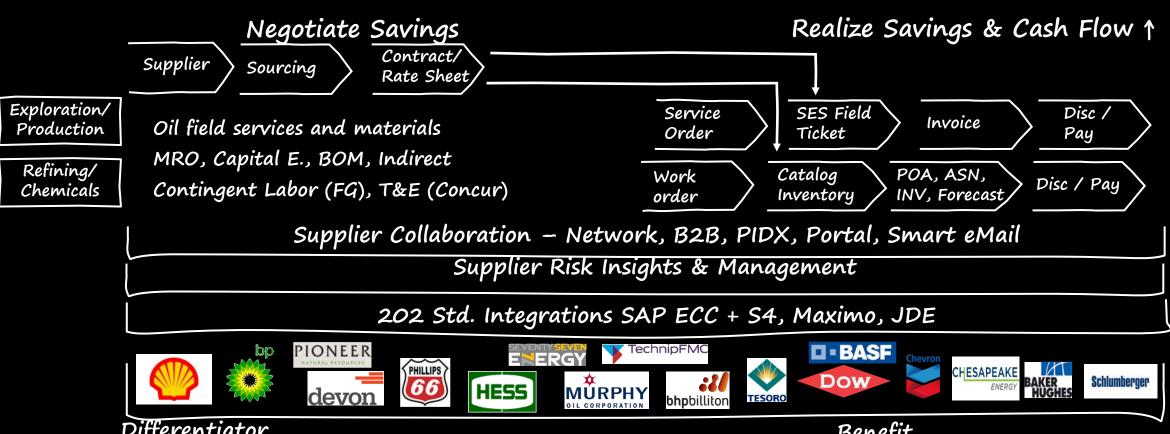
43,000 barrels

Estimated reduction in pipeline spills

Source:

World Economic Forum white paper, "Digital Transformation Initiative – Oil and Gas Industry", Value at Stake 2016-2025

SAP Ariba End to End Source to Settle in Oil & Gas



- Differentiator
- UX guiding buying + mobile
- Integration delivered (horizontal & vertical)
- All spend + All buying channels: AFE, field ticket, service invoice, PM, Guided B.,
- Lowest TCO: catalog + supplier enablement included, delivered 202 standard integrations, no SAP license required

Benefit

4-15% price reduction \$20M / \$1B compliance savings 40-60% process efficiency ↑ \$2M / \$1B cash flow 1

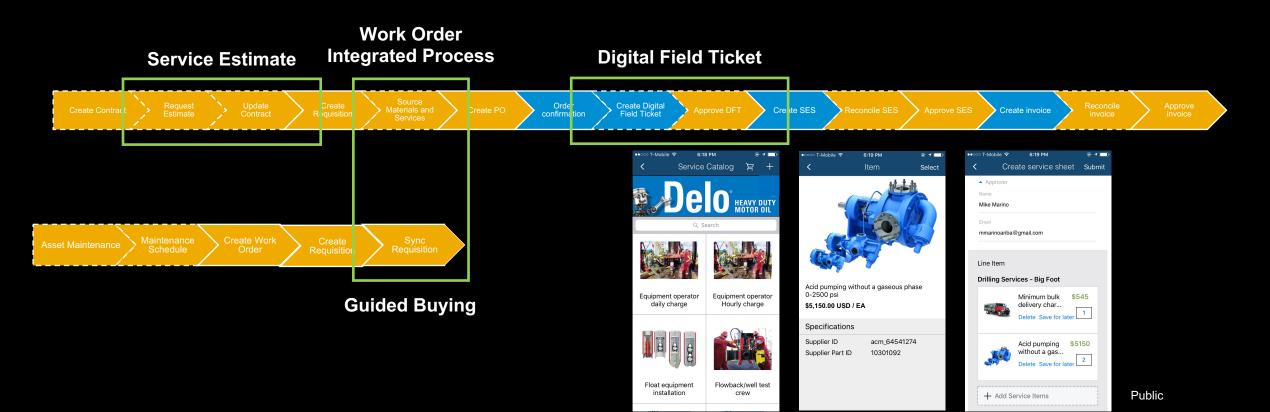
Services Procurement Collaboration for Oil & Gas



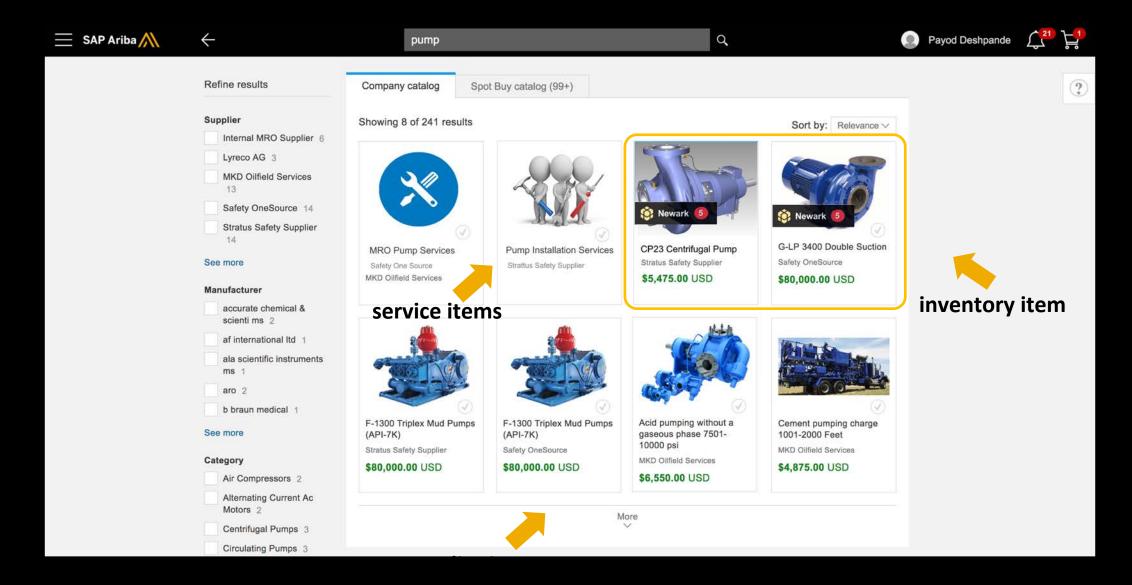
Services collaboration leading practice – ERP and Business Network (today)



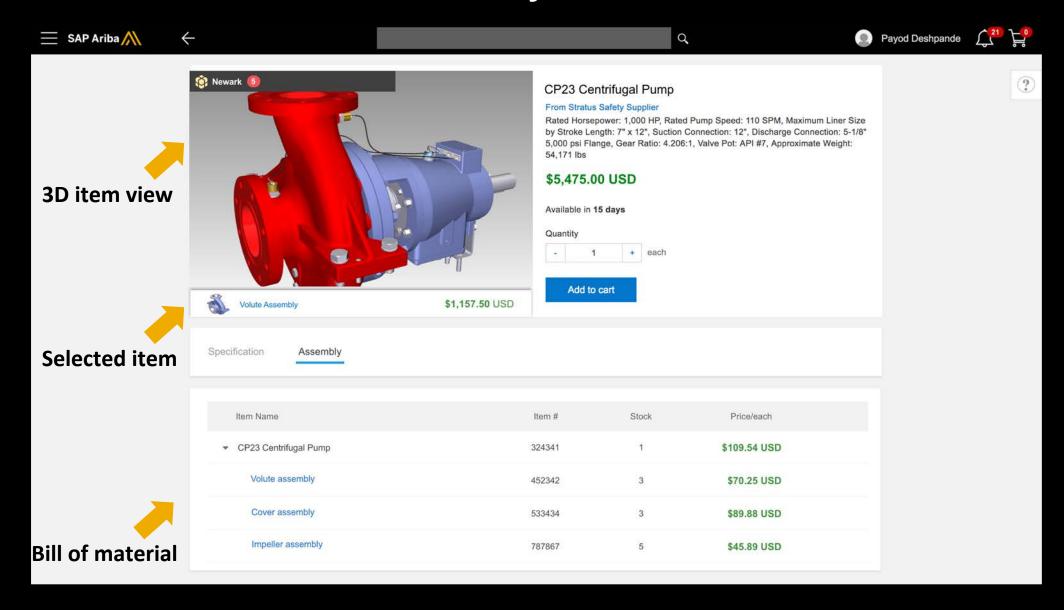
Next Generation Digital Transformation Services Procurement Collaboration



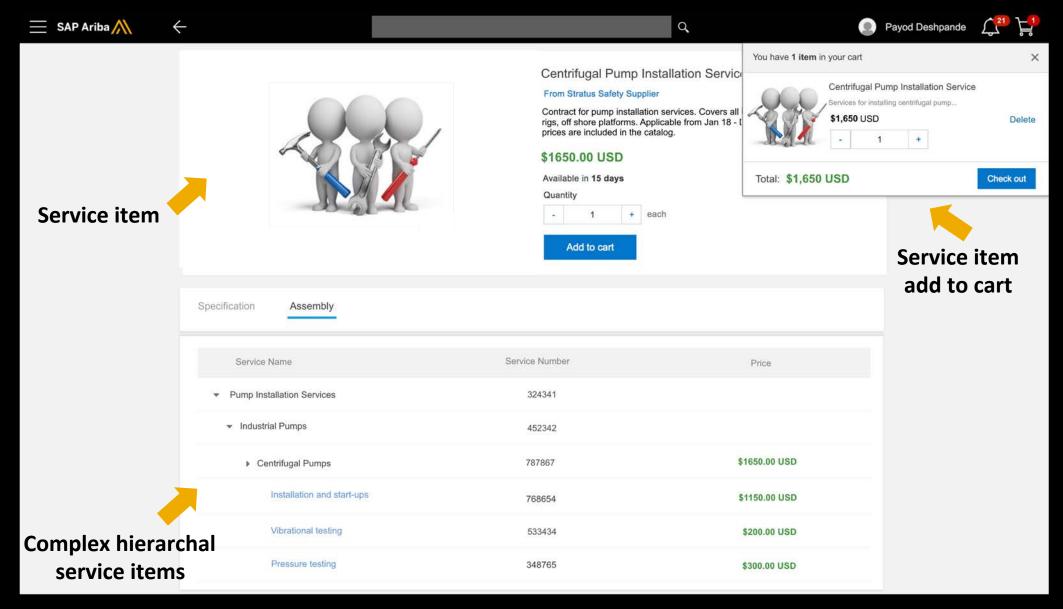
Single View across Inventory, Service and BOM Items



Bill of Material, 3D Part View for Inventory Items



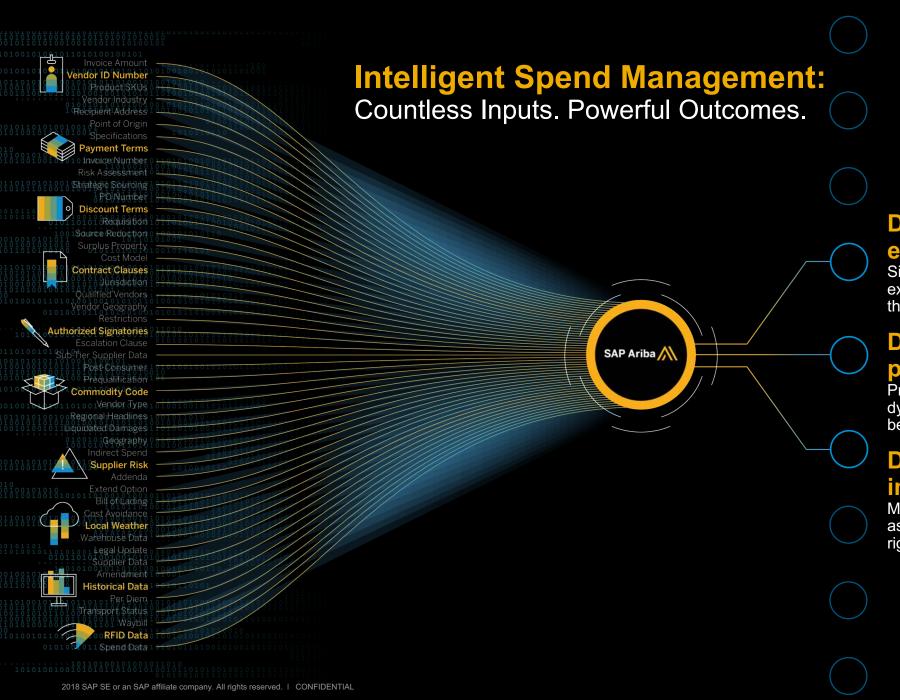
Service Items, Add to Cart/Requisition



MRO Inventory Catalogs

Supplier Shopping Catalogs Cart material no. enrichment **SAP Plant Maintenance** using content mgmt. system SAP Ariba SAP Ariba Catalogs Catalogs enriched catalog extraction catalog syndication update SAP MM * + stock at hand Item Item Master Master Public

Customer Specific – Open to partnering PIDX to define standard



Deliver more intelligent experiences

Simple, consumer-like, contextual experiences guide users to just what they need.

Deliver more intelligent processes

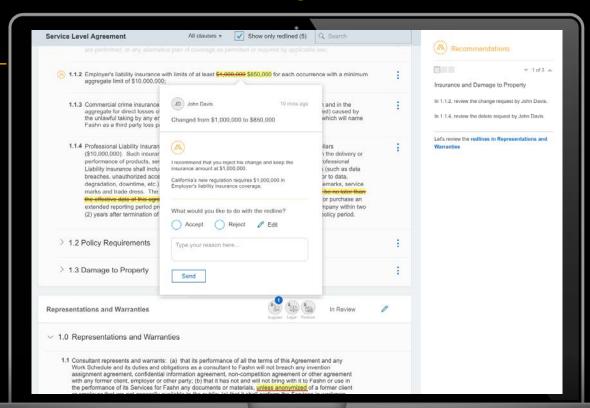
Processes that continually and dynamically improve based on data, behavior and results.

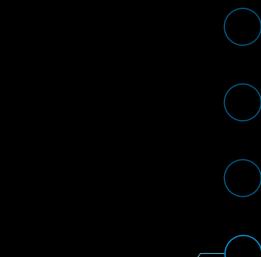
Deliver more intelligent insights

More relevant, future-focused assessments and recommendations right at the point of action.



Use AI to strengthen contracts





SAP Ariba ∧

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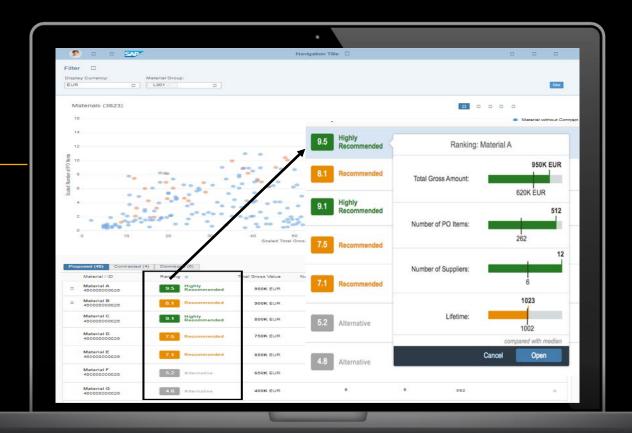
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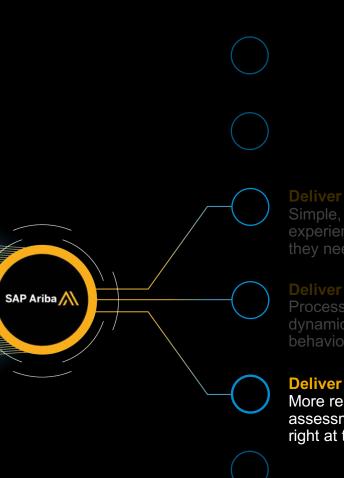
Deliver more intelligent insights

More relevant, future-focused assessments and recommendations right at the point of action.

Automatically identify materials not under contract and recommend alternatives







Proactively manage risks in your supply chain



Deliver more intelligent insights

More relevant, future-focused assessments and recommendations right at the point of action.

Partnering

SAP Ariba O&G Design Committee



Program Charter: Improve SAP Ariba's end-to-end solution for "complex" services within the Oil & Gas industry for upstream, midstream, and downstream businesses in order to automate the billions of services spend currently not under management. The primary goal is to maximize and increase throughput for existing customers while improving our ability to sell into the market.

Alex Lente, Vice President, Product Management, SAP Ariba

Established in April 2017

Deliverables:

30+ enhancements delivered

Other Activities:

- Customer User Group semi-annual meetings (25+ E&NR customers)
- OFS-Portal Invoice Error Reduction initiative working with supplier community

SAP O&G S/4 in the Cloud Consortium



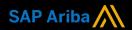
There is little debate the oil and gas industry has been challenged over the last couple of years. There is an urgency to provide the agility and scale needed to win in this environment. Accelerating into the future, as it has been previously, it is by working directly with our customers that SAP enables our customers to shape their intelligent enterprise with the S/4HANA Cloud."

Benjamin Beberness, Global Vice President, Oil and Gas Industry Business Unit, SAP

Established in late 2017

Face-to-face Workshops: December 2017, January and April 2018, planned July

Workstreams: Procurement, Field Logistics, Asset Management, Finance and Joint Ventures, Hydro-Carbon Revenue Management, Solution Architecture



Thank you.

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