

# Getting the Most Out of Your SAP S/4HANA Transformation

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# Speaker Introduction



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# Agenda

- What's New in S/4HANA?
- Experiences With S/4 to Date
- Considerations Prior to Transition
  - Master Data Assessment & Standardization
  - Self-Assessing Business Processes
  - Digital Transformation
- Summary & Lessons Learned



# A Quick Show of Hands

- How many of you are currently using SAP ECC6?
- How many of you are already using S/4HANA?
- How many of you are currently in the process of moving to S/4HANA?
  - Private vs. Public Cloud?
  - SAP RISE?



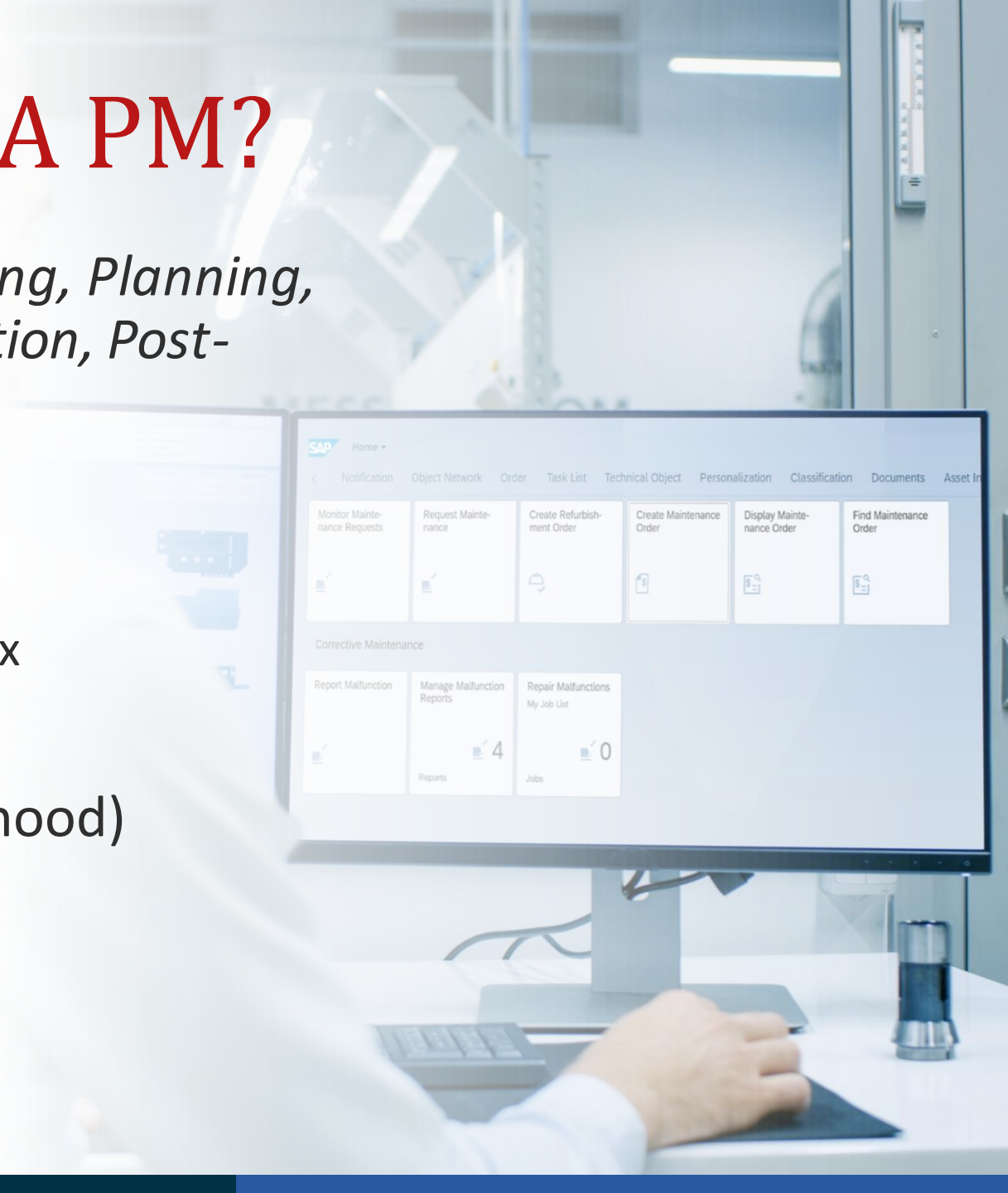
# Our Experience With S/4 Transitions So Far

- Organisations are seeing this as an opportunity to start afresh
  - Digitalisation
  - Process Optimisation
  - Standardisation
- *Most* organisations are adopting the stance of moving everything to the web
- Processes within SAP have changed...so what's new?



# What's New in S/4HANA PM?

- The Phase Model – E.g. *Initiation, Screening, Planning, Approval, Preparation, Scheduling, Execution, Post-Execution, and Closure*
- Final Due Date Field
- Stages (pre-work, main-work, post-work)
  - Drives Main Work Completion Flag/Check box
- Maintenance Planning Buckets
- Assess Priority (consequence versus likelihood)
- Fiori Applications More Prevalent
  - Updated User Interface



# The Nine Phase Model



# Fiori User Interface

The screenshot displays the SAP Fiori User Interface home page. At the top, there is a dark blue header with the SAP logo, a 'Home' dropdown menu, a search bar with 'All' and 'Search' options, and a help icon. Below the header is a navigation bar with the following tabs: My Home, Maintenance Plan, Maintenance Item, Maintenance Item Management, Inbox, Asset Information System, Linear Reference Pattern, Measurement Document, and Measuring Point. The main content area consists of a grid of 14 tiles arranged in two rows of seven. The tiles are as follows:

Tile Title	Sub-Title	Value	Icon	Additional Info
Request Maintenance				
Screen Maintenance...	M1 Plant 0001	0		
Maintenance Notifications and...	Orders View	10		
Maintenance Notifications and Orders	Orders View			
My Inbox	All Items			Error
Maintenance Backlog Overview				
Find Maintenance Orders Scheduling				Shows a prefiltered li...
Perform Maintenance Jobs		0		
Maintenance Orders	Post Execution Review	1		
Find Maintenance Orders				
Dashboard				
Web Scheduler				
Manage Maintenance Planning Buckets				
Manage Teams and Responsibilities fo...	Asset Management			





# Maintenance Planning Buckets

- Typically used in the 'Preparation' Phase
- Somewhat a replacement (but different) to *Revision Codes*
- Operational Maintenance
  - Pulls all orders within the defined date range and filter sets
- Event-based (i.e. revision)
  - A bucket containing only jobs assigned to the event, and also fitting within defined date ranges / filter sets
- Note; filters can only be applied against a small number of fields (planner group, plant, main work centre, tech object, plant section)



# Functionality Feedback & Review

- Processes have changed in S/4HANA
  - The Phase Model promotes a better beginning-to-end maintenance process
- Fiori Apps are considered more user friendly and intuitive
  - However, lots of navigation to / from applications still exists
  - Restrictive and rigid to the more experienced SAP users
  - Challenging to configure / set-up
- So, when moving to S/4, what do we need to think about to make it a success?



# Considerations Prior to the Transition

1. Is our Master Data meeting standards? What *are* our standards?
2. Are we happy with existing business processes, surrounding all areas?
  - If not, what opportunities are there for growth?
  - Do we want to adopt the new functions introduced into S/4HANA?
3. Where are we in our digital transformation journey compared to our peers? Where do we want to be?



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“If you don't have your data under control, you don't need SAP S/4HANA...you would just be analysing wrong data faster”

- Dr Jurgen Sturm, former CIO at Siemens BSH Group



# 1. Master Data Assessment and Standardisation





# The Steps to Good Data

- **Step One:** Agree Upon a 'Definition of Success' – i.e., What is Good Data?
- **Step Two:** Assess the Quality of Your Current Data vs. the 'Definition of Success'
  - *How do we invoke consistency (“, inch, or inches)*
- **Step Three:** Assess the Business Impact of Your Imperfect Data Quality
  - *Increased and unnecessary PR's and PO's*
  - *Wrench time Impact – is the equipment in the location the data states it is?*
- **Step Four:** Develop a Strategy for Master Data Transformation & Management
- **Step Five:** Implement the Strategy!



# Master Data as a Service (MDaaS)



Capture



Collect

## MDaaS **CAPTURE**

Mobile app for photo-based field data collection

Intelligent image processing and data extraction

Crowd and AI-based data enrichment



Cleanse



Classify



Crowd

## MDaaS **ENRICH**

Standards-centric classification

Drawing and manufacturer's website-based data mining

Machine learning-based data cleansing & enrichment



Combine



Create



Control

## MDaaS **SUSTAIN**

Master Data Management best practice templates

Workflow-driven review & approval

Automated business rules for data validation



Compare



Connect

## MDaaS **MIGRATE**

Auditable file comparison and tracking

Integrates with commercial ETLs

Supports all major ERPs



## 2. Self-Assessment of Business Processes



# Assessing Our Business Processes

- What are the common complaints of users today?
  - Collect feedback from the end users
  - Send out questionnaires to gather the opinions of all involved in the process
  - Involve a third-party consultant to gather findings on process improvement areas
- Then consider, which process areas *will* naturally be improved by moving to S/4HANA?
- If other areas still exist, rank them by priority!



# 3. Opportunities for Digital Transformation





# Seizing the Opportunity

- Organisations are seeing the transition to S/4 as a real opportunity to digitalise
  - Web-based solutions
  - Mobile solutions
  - Configurable solutions to fit desired processes (following their business process assessments)
- So, how can we potentially assist on this journey?



... to set row groups

Order Defined	General Data	Operation Det...	Scheduling Group	Wed 4	Thu 5
Customized	Description	T... P	M... B... B... Phase Control		
0	update	P...	0... 0... 0...		
0	update	P...	0... 0... 0... SM01 SM02 S001		
200		P... 2	0... 0... 0...		
200		P... 2	0... 0... 0...		
0		P...	0... 0... 0...		
0		P...	0... 0... 0...		
200		P... 2	0... 0... 0...		
200		P... 2	0... 0... 0...		
200	SM Phase TEst 1226.23	P... 2	0... 0... 0...		
200	SM Phase TEst 1226.23	P... 2	0... 0... 0...		
200	phase controls 12.13	P... 2	0... 0... 0... H001 I001 H002		
200	phase controls 12.13	P... 2	0... 0... 0...		
200	SM PCC 12.13	P... 2	0... 0... 0... H002		
200	SM PCC 12.13	P... 2	0... 0... 0...		

- Open in Fiori
- Constrain Operations
- Remove Constraints
- Create All Relationships
- Remove All Relationships
- Set Status
- Phase Control Codes
- Scroll To Node
- Select All
- Deselect All
- Cut Ctrl+X
- Copy Ctrl+C
- Copy with Headers

Selection Screen

Search Variants...

Plant	Variant
0181 (2)	0001
00000003	0001
00000004	0001

**Application Settings (2)**

Display Settings: BMDPC

Filter Op./Act. To Date Range:  Filter Orders/Net To Date Range:

Scheduling Date Range:  to

Scheduling Week Range:  to

Week Start: Select...

Capacity Date Range:  to

Days in the Future:

Days in the Past:

**Plant Maintenance (3)**

Order Header Data

Order Phase Code: 03: Planning | 04: Approval | 05: Preparation | 06: Scheduling | 07: Execution

Order Subphase Code: 08: Post Execution | 09: Completion

Order: INCLUDE

Capacity	8 / 16	2 / 16
	0 / 8	0 / 8
	0 / 8	0 / 8

No  
th



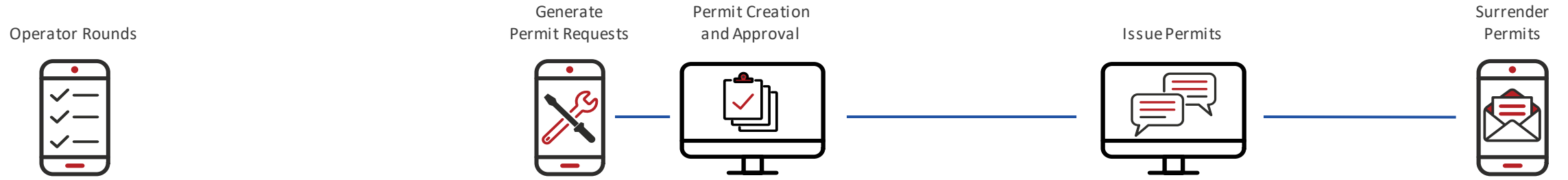
# Mobilising the Workforce

- Fully supports new S/4 Functions
- Configurable to desired business process
- Online / Offline capabilities
- Device agnostic
- Coverage of PM, IM, Rounds, and more

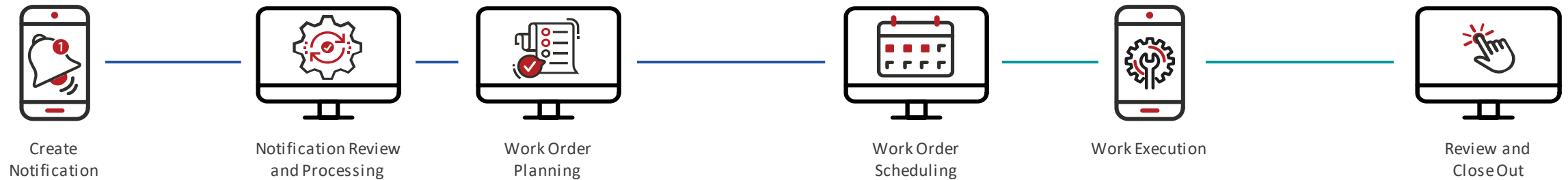


# Routine Work Execution Process

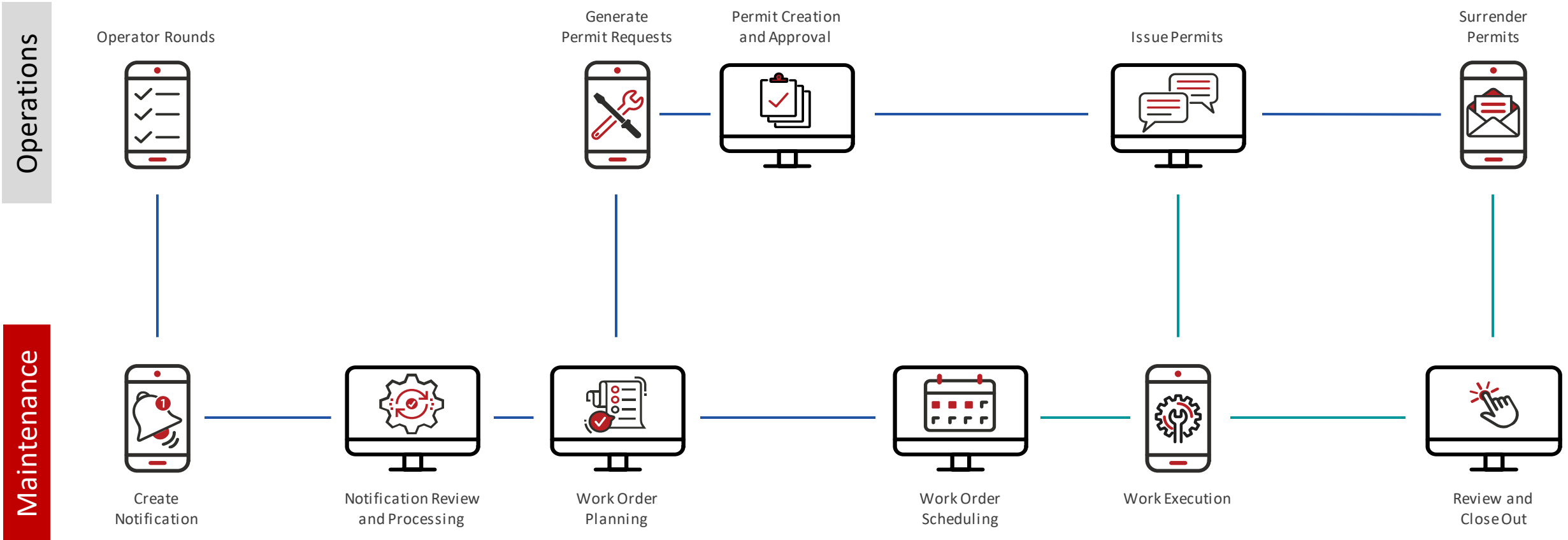
## Operations



## Maintenance



# Optimized Work Execution Process





# Lessons Learned



# Lessons Learned

## Customer

- Conduct thorough due diligence into SAP deal 'sweeteners'
  - Implementations of supporting solutions are failing
- Decide up-front on whether new features, such as the phase-model, will be adopted
- Frustrations with the Fiori apps
  - Lots of applications which could be considered rigid and restrictive
  - Experienced users of SAP unable to use these apps in the way that they would like (restrictions)

## Prometheus Group

- Phase Model Support
  - Initially, we were only supporting the dispatch process but soon established this was not enough!
  - As a result, we introduced features to ensure full coverage of phase / sub-phase changes (with mass change options)
- Organisations are not always using *all* the new features of S/4
  - Previously we had an S/4 set-up with all new features and another with no new features
  - We've now made each new feature a config option to e.g. turn on / off the phase model



Thank You!

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Questions?



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