The Good, the Bad, and the Ugly on Planning for an SAP Analytics Cloud Deployment
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About the Speakers

Abe Iruegas

- SAP Global Leader, Microexcel

- Mr. Iruegas is the SAP Practice Leader at Microexcel with 23 years of experience in the technology industry.

Jennifer Pearce

- IS Business Intelligence Leader, Milliken & Company

- Mrs. Pearce has 20 years of experience in Business Intelligence at Milliken & Company as a leader and developer through multiple BI initiatives.

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Key Outcomes/Objectives

1. Describe Milliken's journey to transform their BI approach

2. Key considerations in selecting SAP Analytics Cloud

3. Milliken's use of Phased approach starting with initial planning sessions
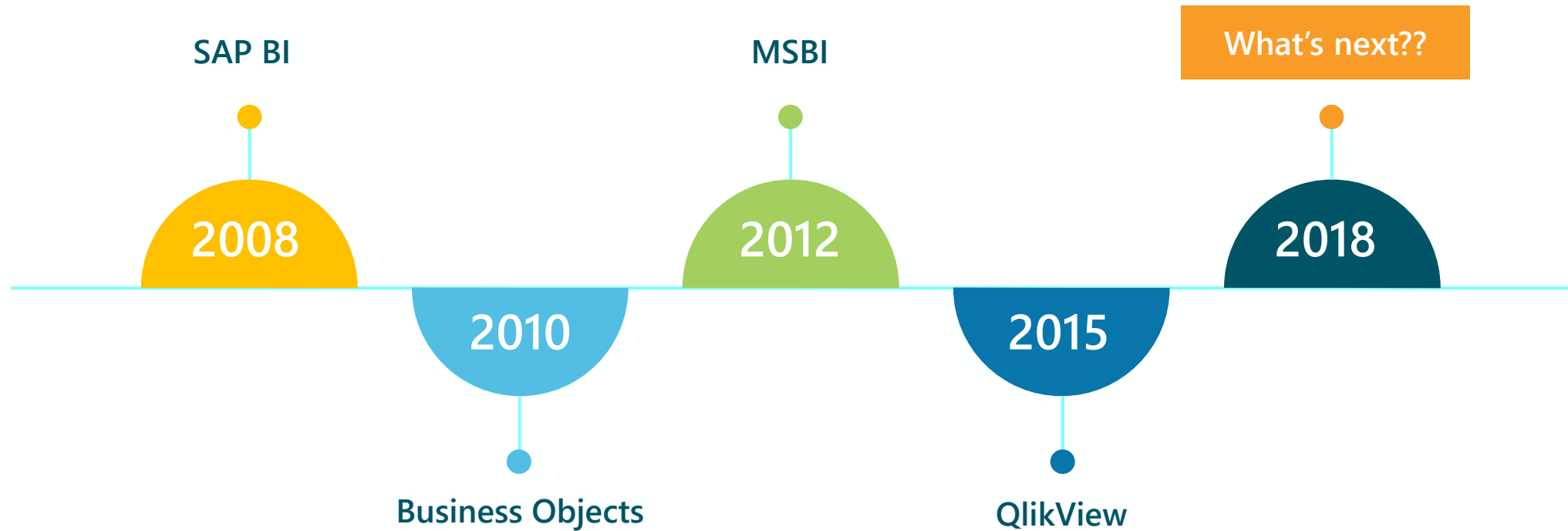
4. Key Learnings

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Milliken - Introduction

- **Industry :** Chemicals, Floor Covering, Performance Material & Textiles.

- **Founded :** 1865

- **HQ :** Spartanburg, South Carolina

- **Number of Employees :** 7000+

- **Patents :** 2500+ US Patents & 5500+ worldwide patents

- **Coverage :** Global with more than 40 manufacturing locations in US, UK, Belgium, France, Mexico, China etc.
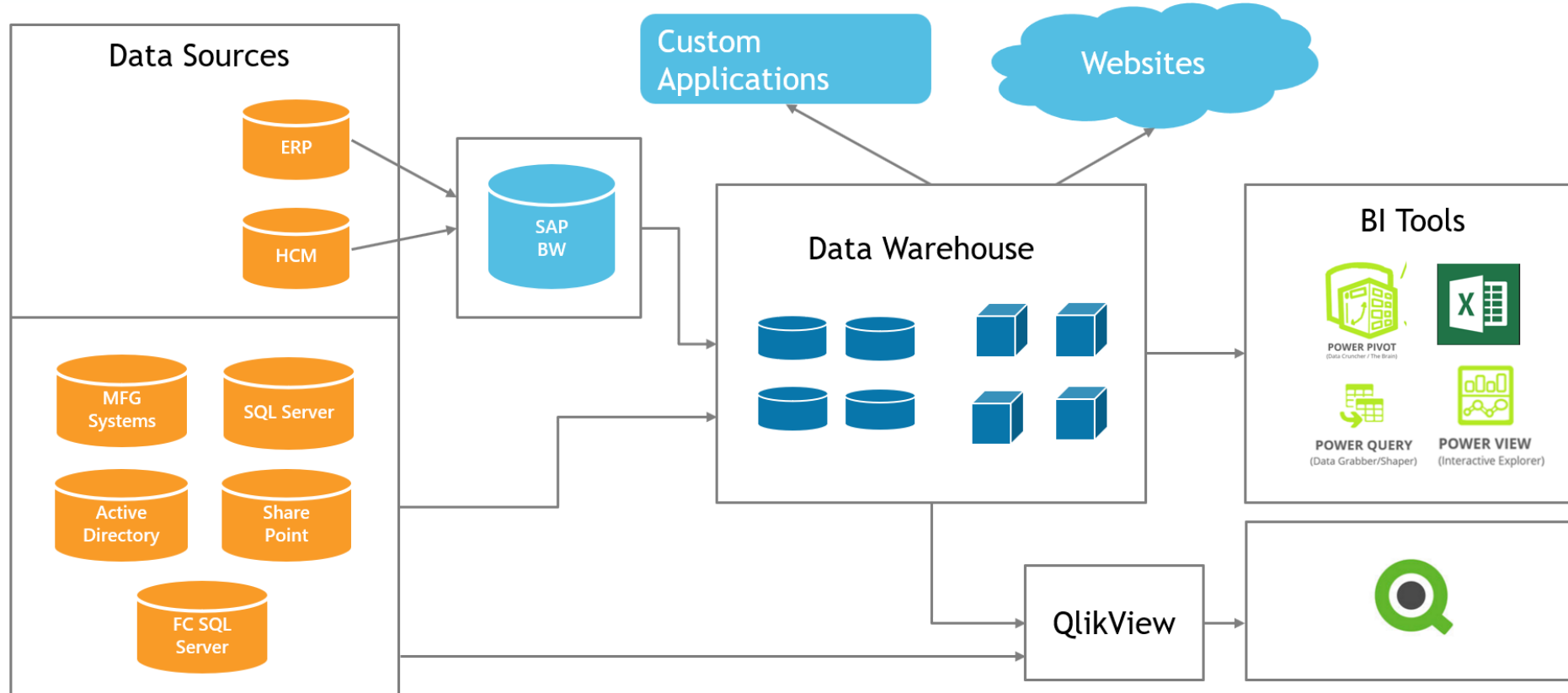
Current state of Analytics in Milliken

- **Users:** 1500+ Globally

- **Source systems:** Primarily SAP and other bespoke in-house developed applications on SQL Server

- **Data Size:** 6 TB

- **Enterprise Data warehouse:** SQL Server (Tables & SSAS Cubes)

- **BI Tools:** Qlikview, SQL Server Reporting Services & Excel plugins

Milliken BI Journey

SAP BI

MSBI

What's next??

2008

2010

2012

2015

2018

Business Objects

QlikView

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Current Architecture @ Milliken

Roadblocks with Current Analytics Landscape

- Huge time to extract, process and load the data.
- Some extractions and data loads fail to complete.
- Data load failures effecting the report scheduling and delivery to the business.
- SLAs are being missed because of the time taken to process and load data.
- Self-service BI changed into self-service modelling with Governance and Quality control issues.
- Lead to development of spaghetti code and maintenance became an issue.
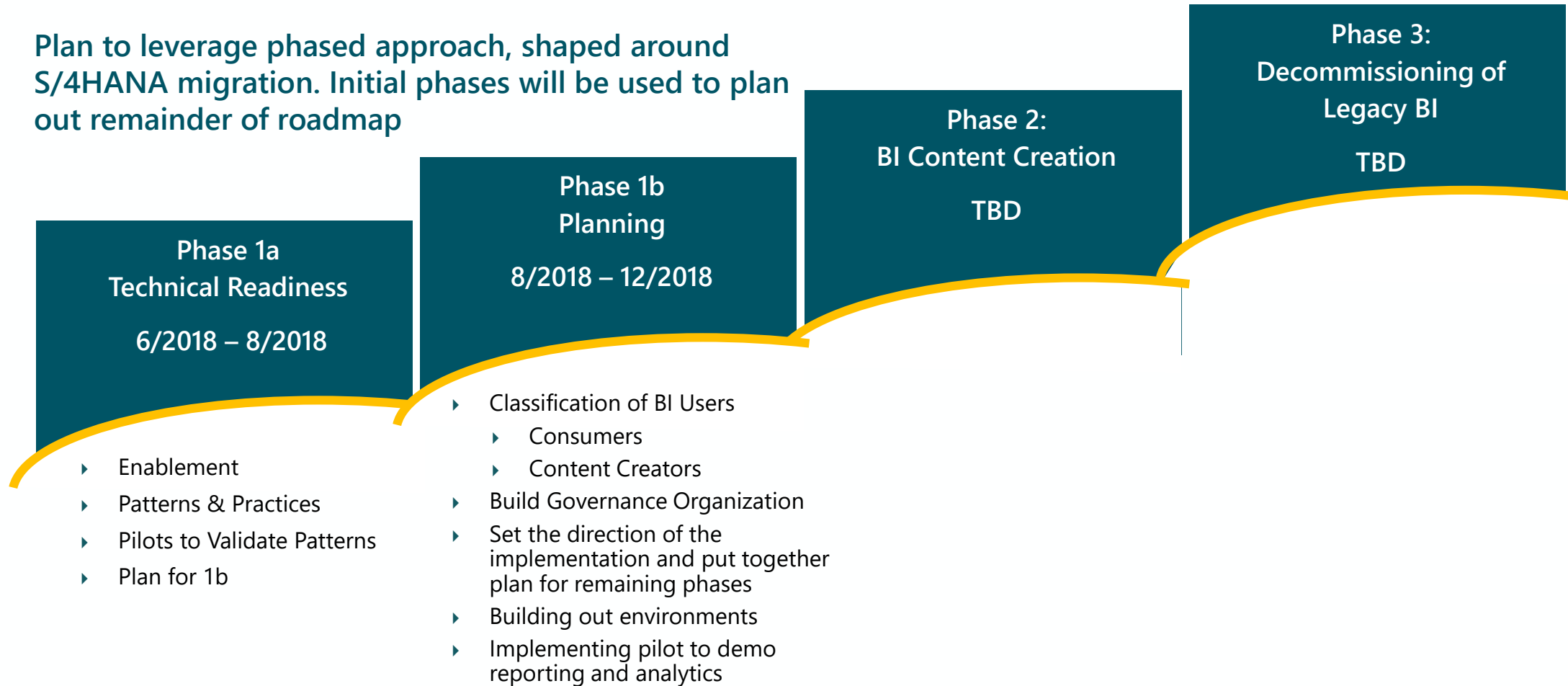
Proposed Solution

Since more than 80% of the business critical data is from SAP and as per SAP's direction of Analytics solutions the below solutions were chosen:

- BW/4HANA as an Enterprise Datawarehouse.
- SAP Analytics cloud as reporting layer.
- Leverage predictive capabilities of SAP Analytics Cloud

Proposed Phased Approach

Plan to leverage phased approach, shaped around S/4HANA migration. Initial phases will be used to plan out remainder of roadmap

Phase 1a
Technical Readiness

6/2018 – 8/2018

Phase 1b
Planning

8/2018 – 12/2018

Phase 2:
BI Content Creation

TBD

Phase 3:
Decommissioning of Legacy BI

TBD

- Enablement
- Patterns & Practices
- Pilots to Validate Patterns
- Plan for 1b

- Classification of BI Users
  - Consumers
  - Content Creators
- Build Governance Organization
- Set the direction of the implementation and put together plan for remaining phases
- Building out environments
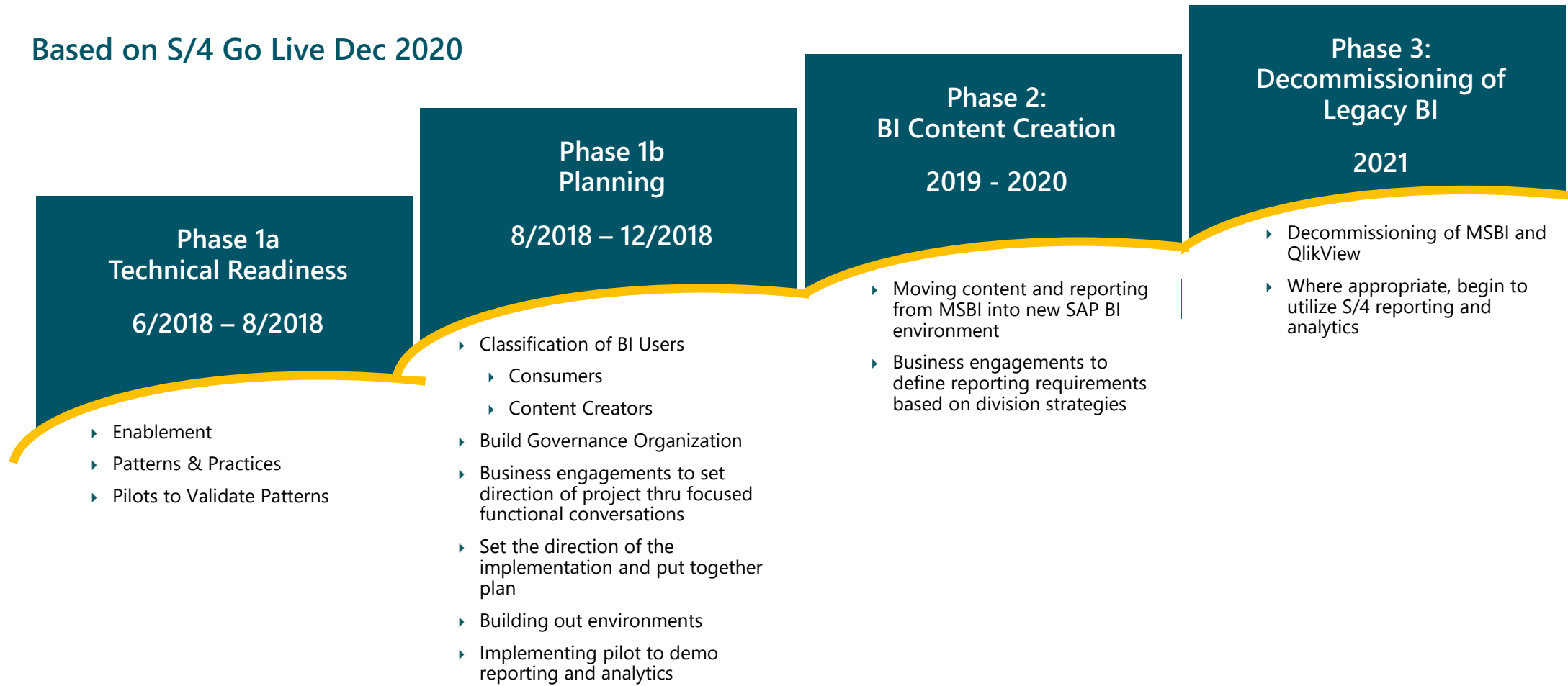- Implementing pilot to demo reporting and analytics

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Phase 1a & 1b - Objectives of Planning phase
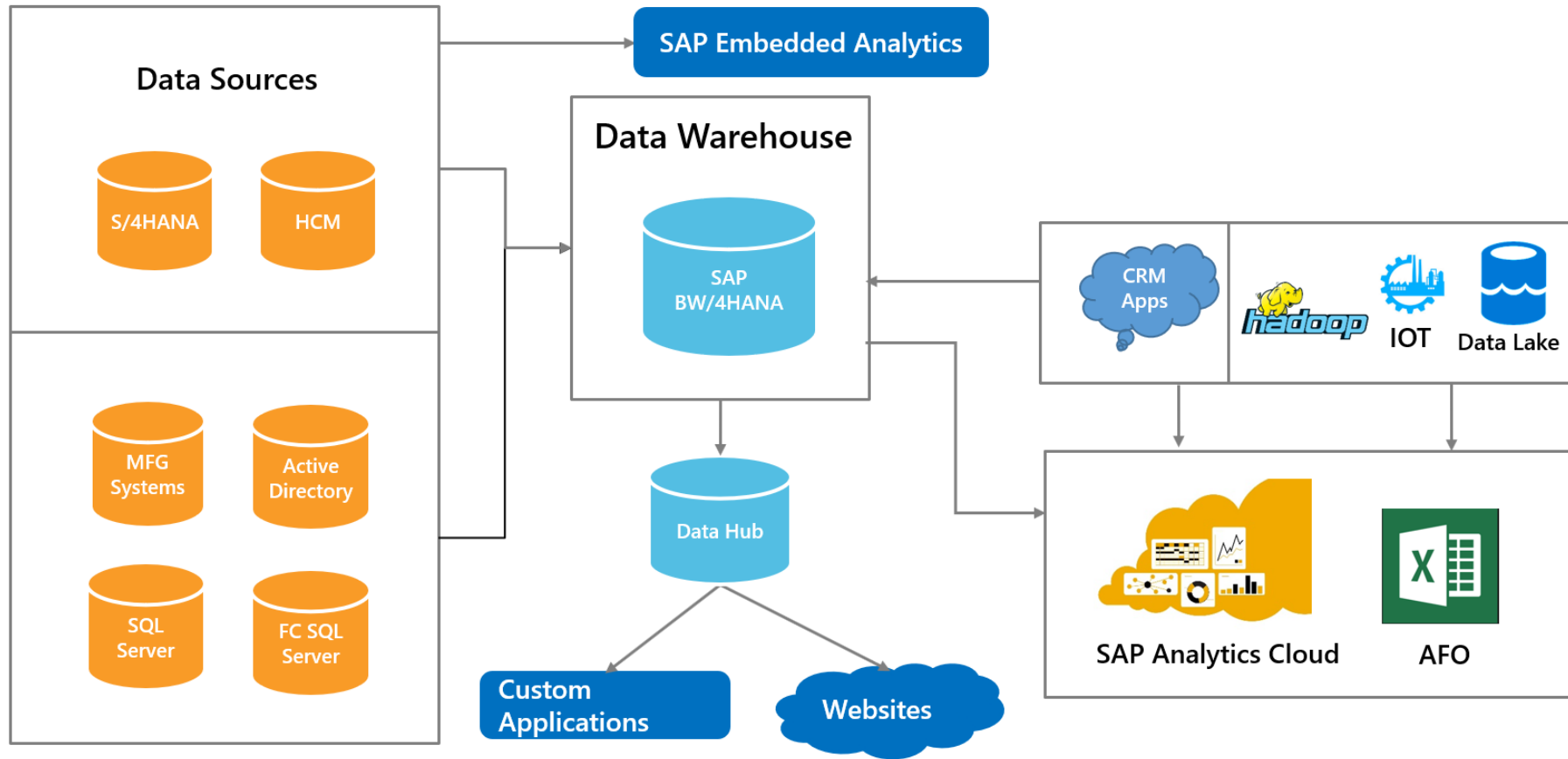
- Usage analysis

- Roadmap for conversion

- Detailed planning for roll out

- Reusable design patterns

- Development best practices

- COE Setup

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Adjusted Phased Approach

Based on S/4 Go Live Dec 2020

Phase 1a
Technical Readiness

6/2018 – 8/2018

- Enablement
- Patterns & Practices
- Pilots to Validate Patterns

Phase 1b
Planning

8/2018 – 12/2018

- Classification of BI Users
  - Consumers
  - Content Creators
- Build Governance Organization
- Business engagements to set direction of project thru focused functional conversations
- Set the direction of the implementation and put together plan
- Building out environments
- Implementing pilot to demo reporting and analytics

Phase 2:
BI Content Creation

2019 - 2020

- Moving content and reporting from MSBI into new SAP BI environment
- Business engagements to define reporting requirements based on division strategies

Phase 3:
Decommissioning of Legacy BI

2021

- Decommissioning of MSBI and QlikView
- Where appropriate, begin to utilize S/4 reporting and analytics

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Proposed Architecture

The Good

- Design thinking

- Leverage agile development in BI

- Paradigm shift to Personas instead of systems

- Role based approach (top down) vs data sources/model (bottom up)

- Opportunity to redesign and rethink the service delivery model

- Design patterns

- Great Live integration with BW/4HANA without moving data

The Bad

- Change Management

- Scale of the project

- Complexity of the project

- Challenges in co-ordination

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The Ugly

- Enterprise deployment – Self Service Change Management

- Lifecycle management

- Scheduling

- Limited knowledge base

- Live to Live blending not supported yet

- Self service modeling not as robust as other tools

- Can't do data insights on live connections yet

Conclusion

- With our implementation of BW/4HANA and SAP Analytics cloud we will be able to deliver the following BI transformation changes at Milliken:

- Moving data only when necessary

- Consistency of corporate and division reporting / analytics

- Enable more real-time/right-time

- Ability to respond to future analytical requirements

- Mobility, Advanced Analytics, Predictive Analytics, Self-Service Visualizations

- Better blend of operational and analytical reporting while giving users a consistent user interface across all applications

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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 abe.iruegas@microexcel.com and jennifer.pearce@milliken.com.

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