

# **Moving to SAP S/4HANA: A Data Centric Journey**

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Lead Design Authority

SHELL

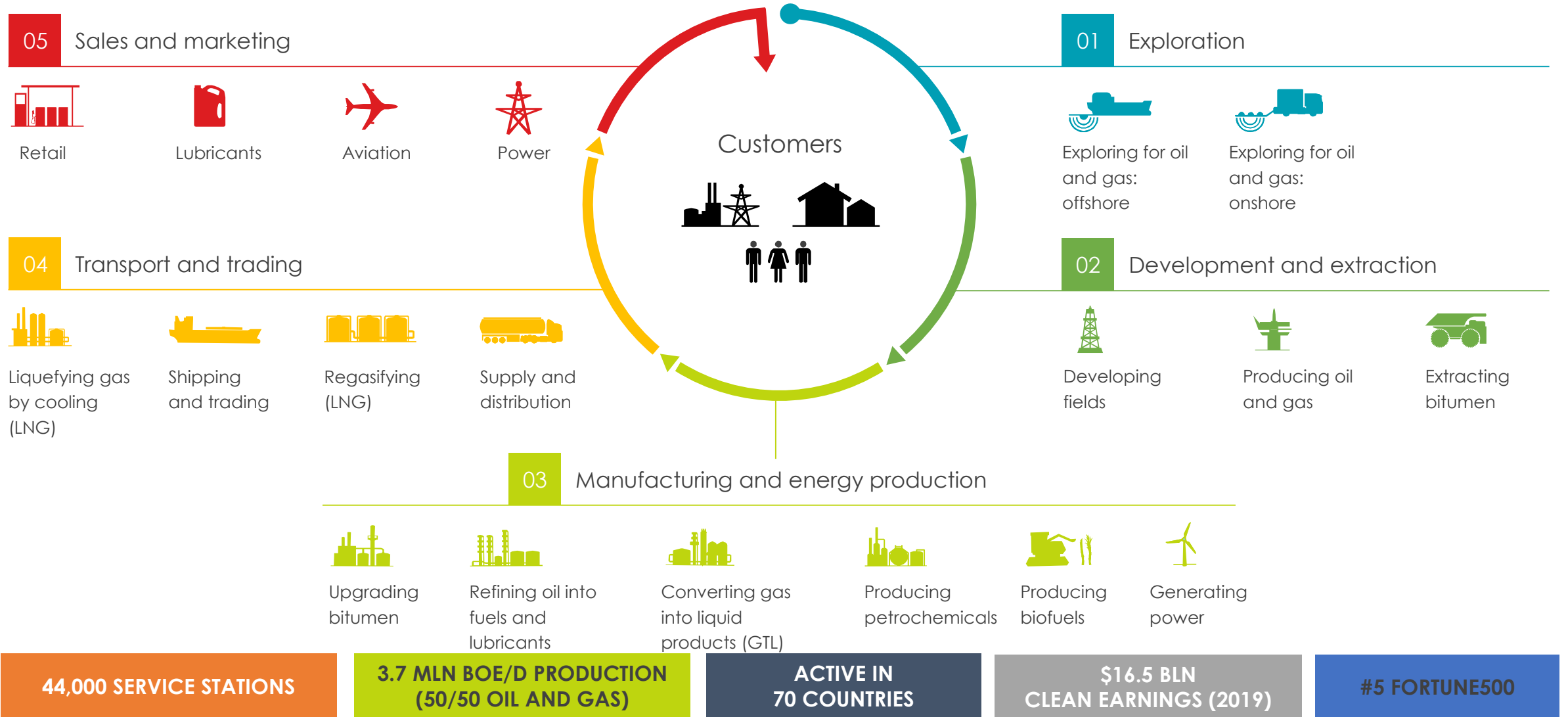
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# Shell Business Overview





## Introduction

- Over the next 5-10 years Shell will 're-platform' of its ERP landscape with S/4HANA
- A 'once-in-a-lifetime' opportunity for **process and data alignment across the enterprise**
- This change underpins the Shell's 'digital journey' and aims to make us more agile
- Being **data centric** is different; that's why we will work differently this time...



# Agenda

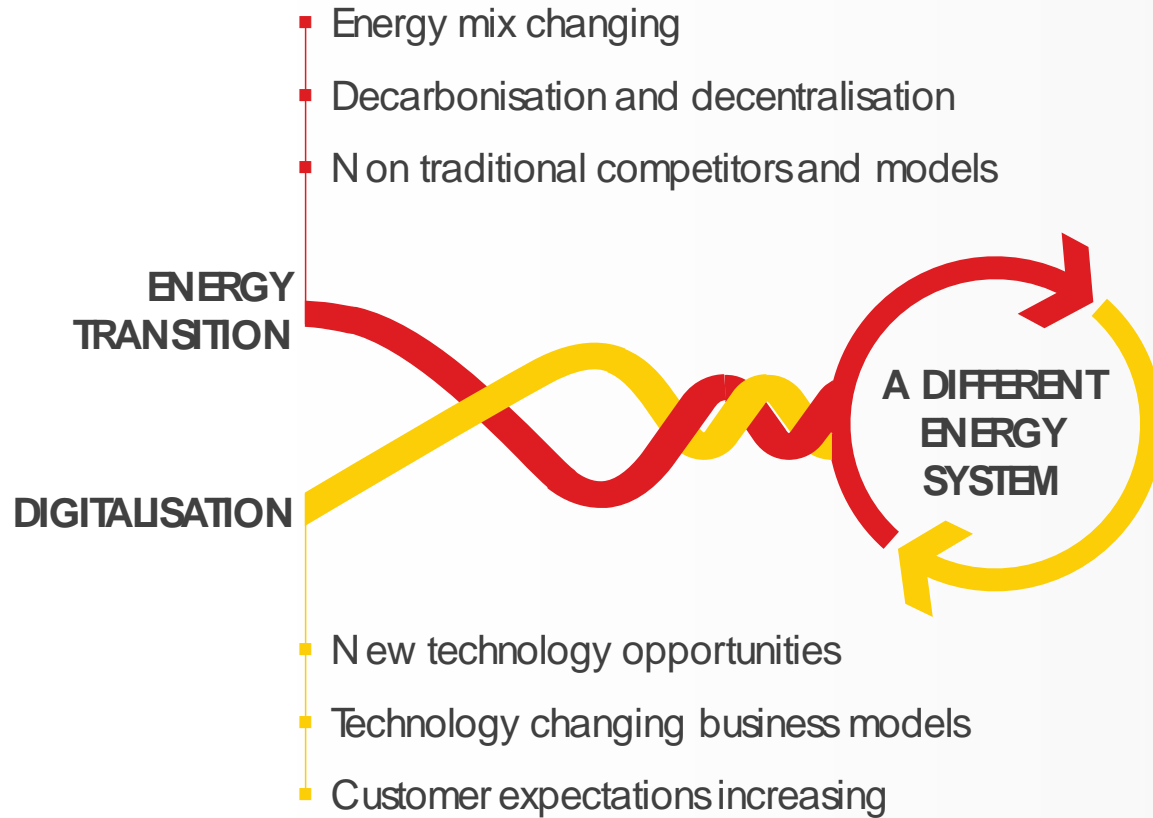
- Why Change?
  - Business Context
  - Thriving in this period of transition
  - Generating Value from Data
- How to Change?
  - Changing the Architecture
  - Data Design driven by the Platform choice
- Where are we now? And what's next?
  - Current Status
  - Introducing New Ways of Working
  - Critical Success Factors
- Wrap up / Q&A

**Why?**

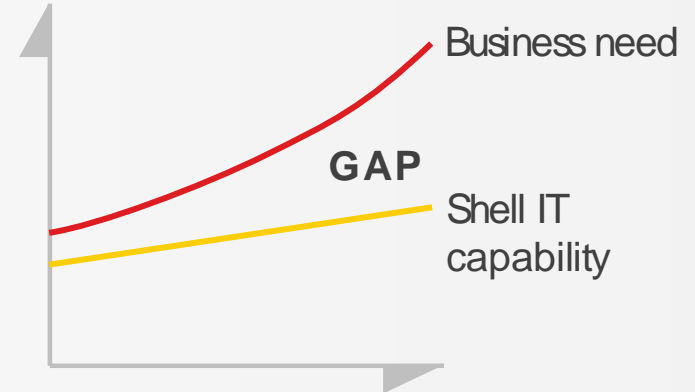
What is driving the change?



# Business Context



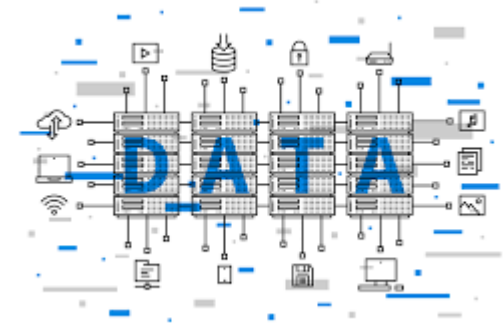
WE NEED TO ACCELERATE





## How to Thrive in this Transition

- Adopt Market Standards vs. Selective Differentiation = Simplification and Focus
- Adopt multi-tenant architecture (SaaS) = Elasticity and Cost Optimization
- Become data centric, as 'Digital' is all about generating more 'Value from Data'

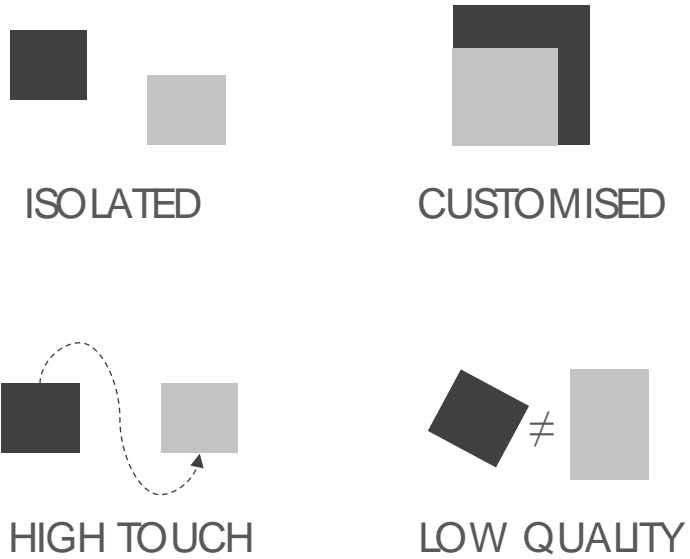






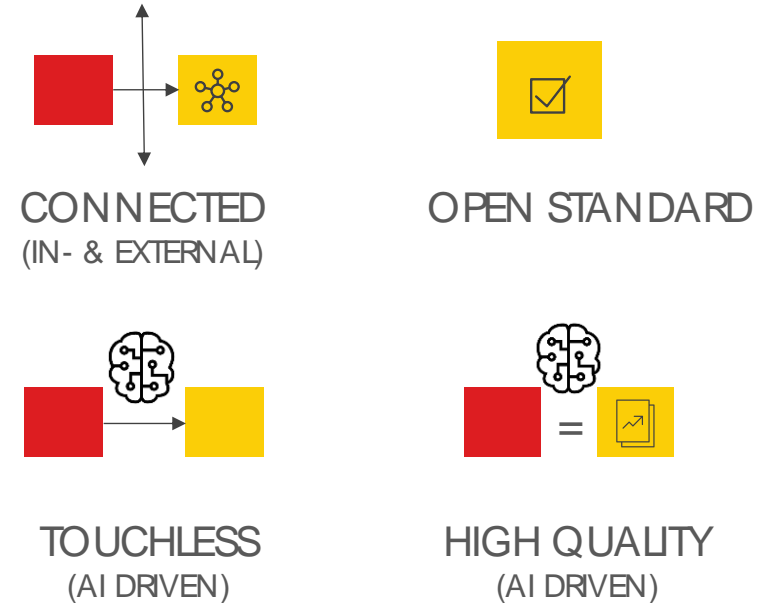
# Generating More Value from Data

FROM: HIGH DEGREE OF FRICTION



COMPLEX & HARD TO CHANGE

TO: DIGITAL PROCESSES



SIMPLE & AGILE

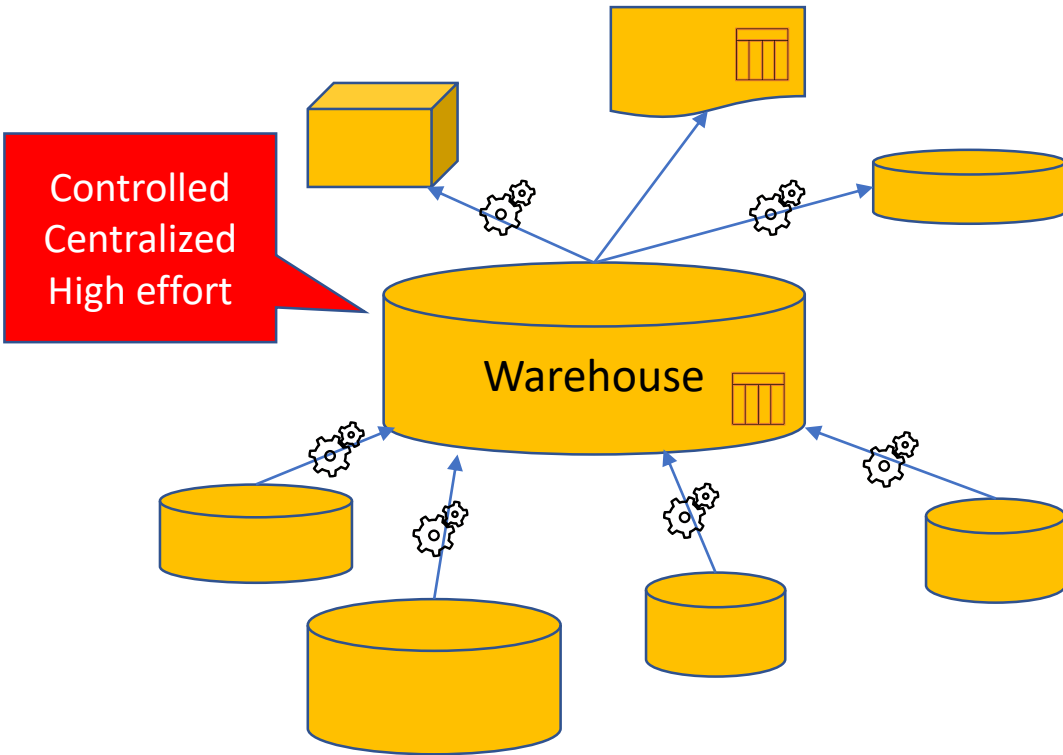
**How?**

**ASUG**



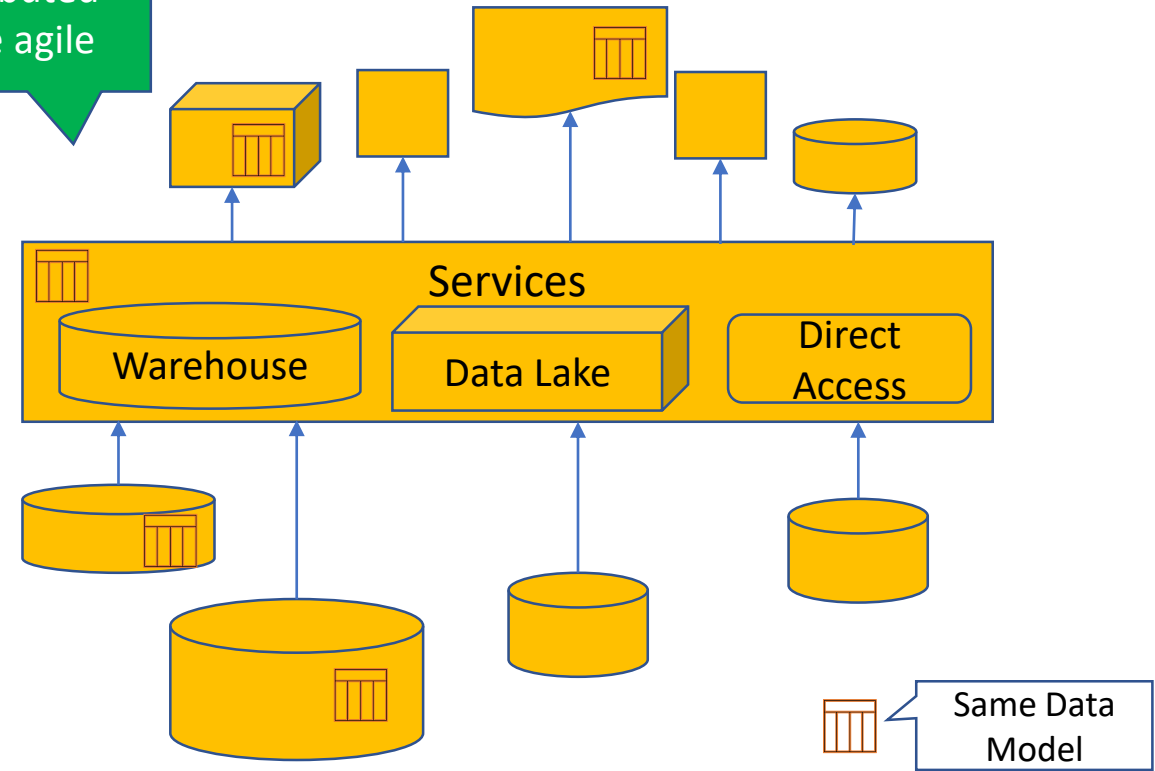
# Changing the Architecture

## TRADITIONAL 1990's STYLE ARCHITECTURE



Democratized  
Distributed  
More agile

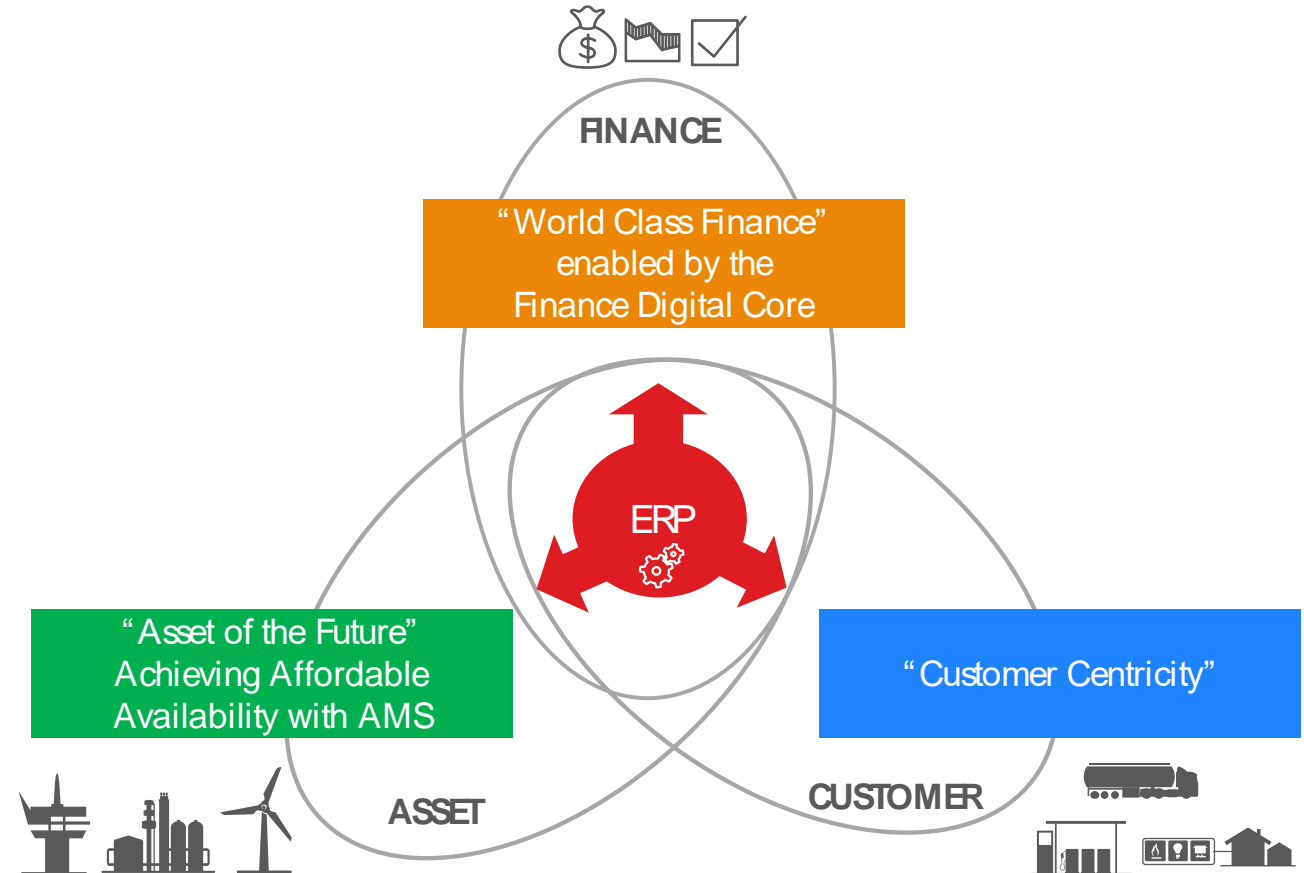
## ENTERING THE 21<sup>st</sup> CENTURY





## Connecting Design to the Platform Choice

- We are using the S4HANA opportunity to drive alignment in the enterprise towards a single data model.
- S/4HANA is the neutral basis of the design, driving retirement of customizations.
- We are delivering this in the slip stream of the SAP O&G consortium work.
- We are using the model in all S/4HANA projects now and will use the single model across multiple products.





## A Data Model is More Than an ERD

It is about enterprise alignment on design decisions:

- **Definitions:** Entities, attributes, relationships
- **Usage** and **data quality rules** – meeting all cross-business requirements
- **Data Flow**
- **Domain lists** - including an inventory of opportunities to pivot towards international standards

Industry Collaboration is key to drive Industry standards



**What's next?**

**ASUG**



## Current Status

### **80/20 Finance data model delivered**

- Being used in 3 S4HANA projects (incl CFIN POC) = the ultimate road test
- Note: We expect little to no customization is needed

### **50/50 Additional data model scope covering CP and Asset Mgt**

- This is harder as the SAP data model is changing

### **Preparing implementation of key enablers**

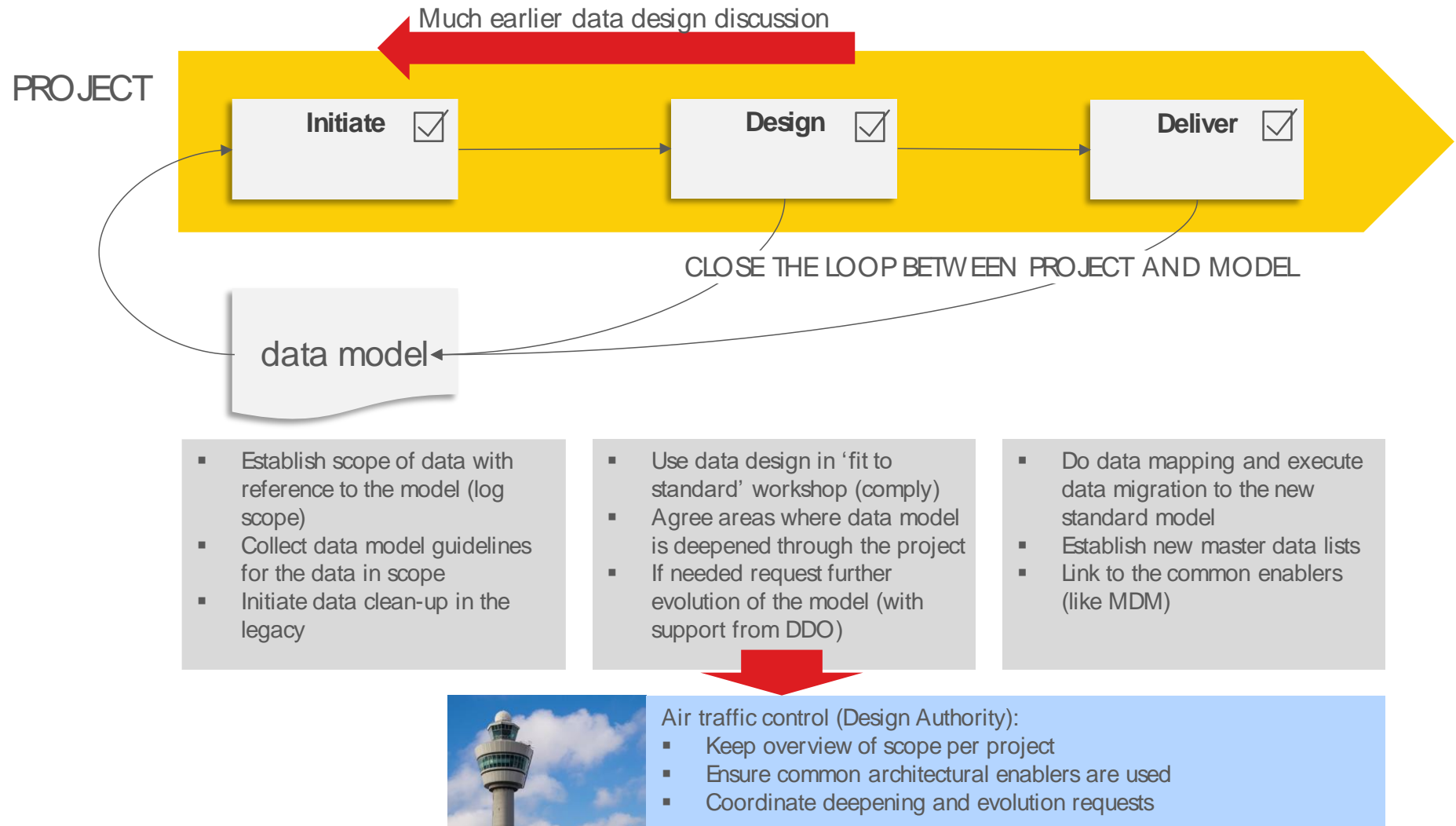
- E.g. data quality tracking with Information Steward and Master data management





## Next: Establishing Culture Change

MOVING TO A  
WORLD WHERE ALL  
SYSTEMS START  
UNDERSTANDING A  
COMMON  
LANGUAGE  
REQUIRES ALL  
PROJECTS TO  
CHANGE THEIR  
APPROACH







## Critical Success Factors



- Senior Level Business Ownership
- Close Business-IT collaboration
- Strong Governance (e.g. change control)
- Good collaboration with SAP (e.g. access to data model)
- Clear architectural view on the target (incl. support for common enablers)
- Continuous communication



## Summary

- Data design is core to re-platforming the ERP & re-platforming can drive the data design
- The platform is core to the future architecture and drives the data model
- The data model is so much more than an ERD
- More industry collaboration will help
- Discipline in data design requires strong sponsorship for culture change

# Questions?

For questions after this session, contact us at [evert.rujis@shell.com](mailto:evert.rujis@shell.com)

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