

A small part of the
The Asset journey in Equinor

2025-10-22





WE ARE EQUINOR

An energy company, searching for better.

We are a Norwegian energy company, determined to use our competence, skills and innovation, continuously searching for the solutions that will help drive the energy transition.

25,000

EMPLOYEES

Across the world

20⁺

COUNTRIES

Presence and
business operations

170

MILLION PEOPLE

Get access to our
energy – everyday

4,5⁺M

Current ECC

Functional
Locations

70⁺

Maint. Plants

Plants Onshore
and Offshore

350⁺K

Work order in PM

Work order per
annum

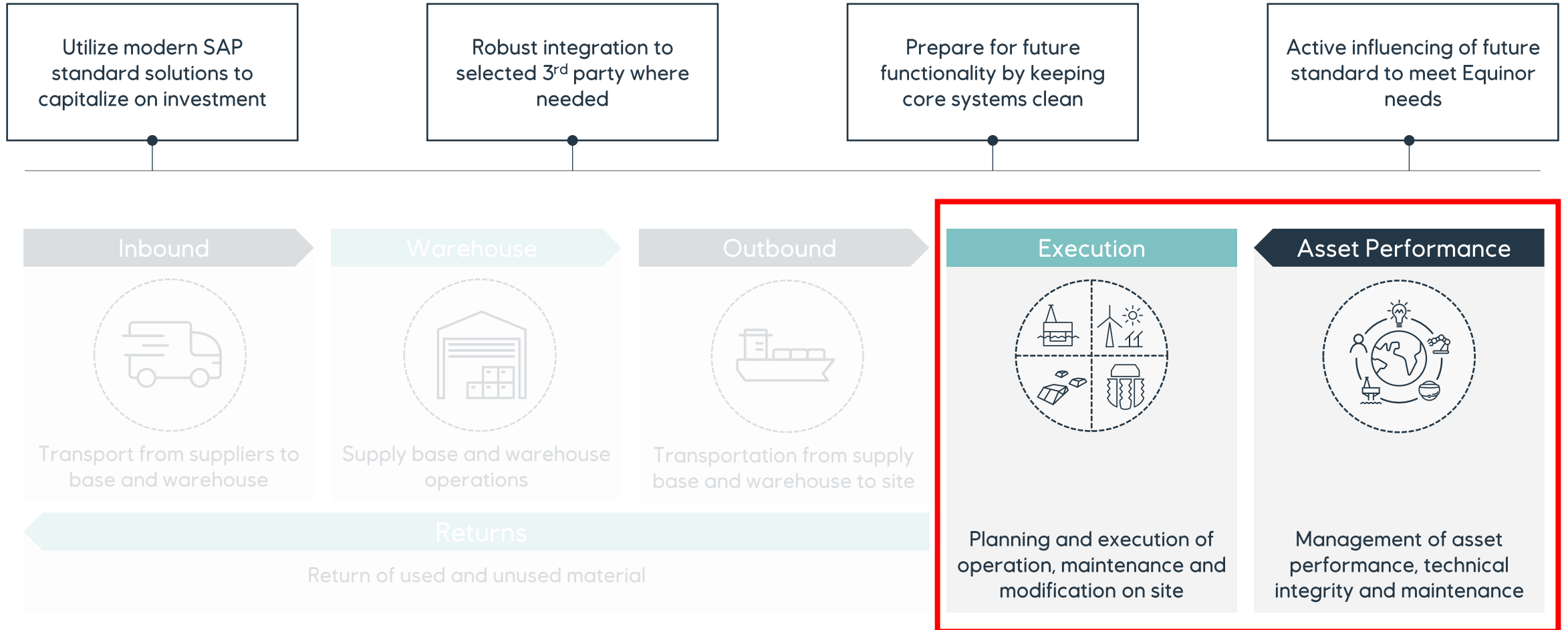


NexUs

R1 R2 R3 R4
2025 2026 2027

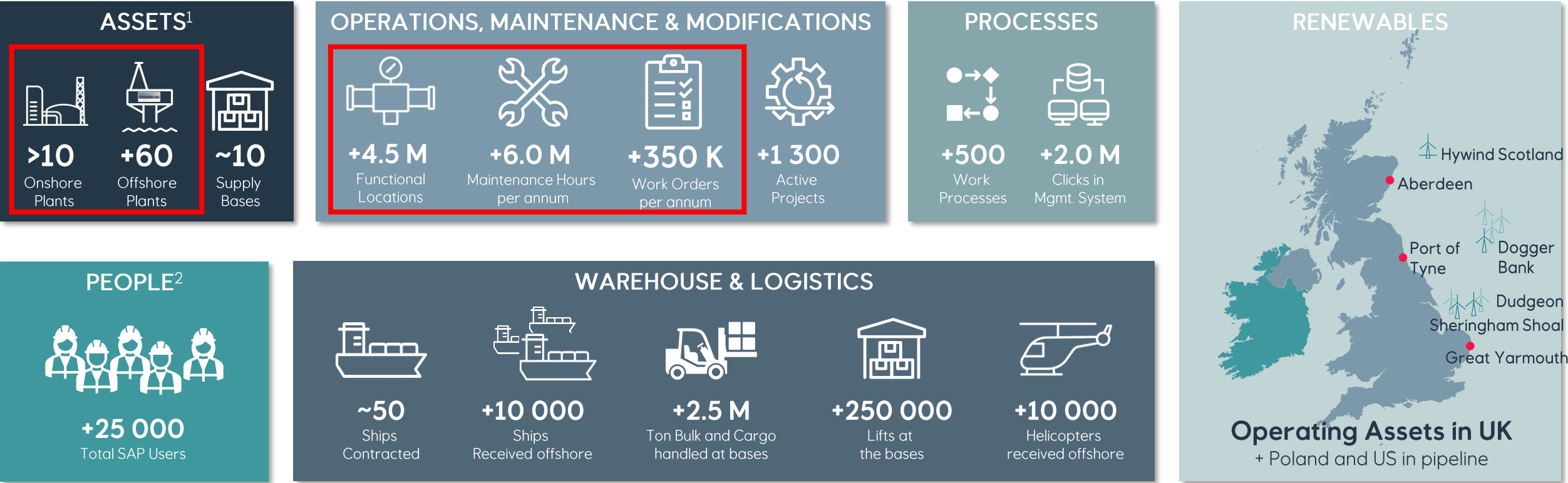


Scope and what we are trying to achieve





The new solution impacts the majority of Equinor and therefore, requires a phased deployment





The Johan Sverdrup field – 5 platforms – 755 000 B/D – equals ~7 % of the daily European oil consumption

5	Plants in SAP	}	How is this managed and governed in Equinor
280 000	Functional locations (FLOCS)		
12 700	Notifications in 2024		
11 000	Workorders in 2024		



Maintenance means the combination **of all** technical, administrative and managerial actions during the life cycle of an item intended to retain it in, or restore it to, a state in which it can perform the **required function**, cf. definition 2.1 (with associated terminology) in the NS-EN 13306 standard.

Maintenance includes activities such as **monitoring, inspection, testing, trial and repair**, and keeping things tidy. Functions also mean **safety functions**. For these functions, the requirement relating to maintenance entails that performance shall be ensured at all times. Facilities or parts of facilities also mean temporary equipment. **All phases** also mean periods in which the facility or parts of the facility are temporarily or permanently shut down.



What is Maintenance

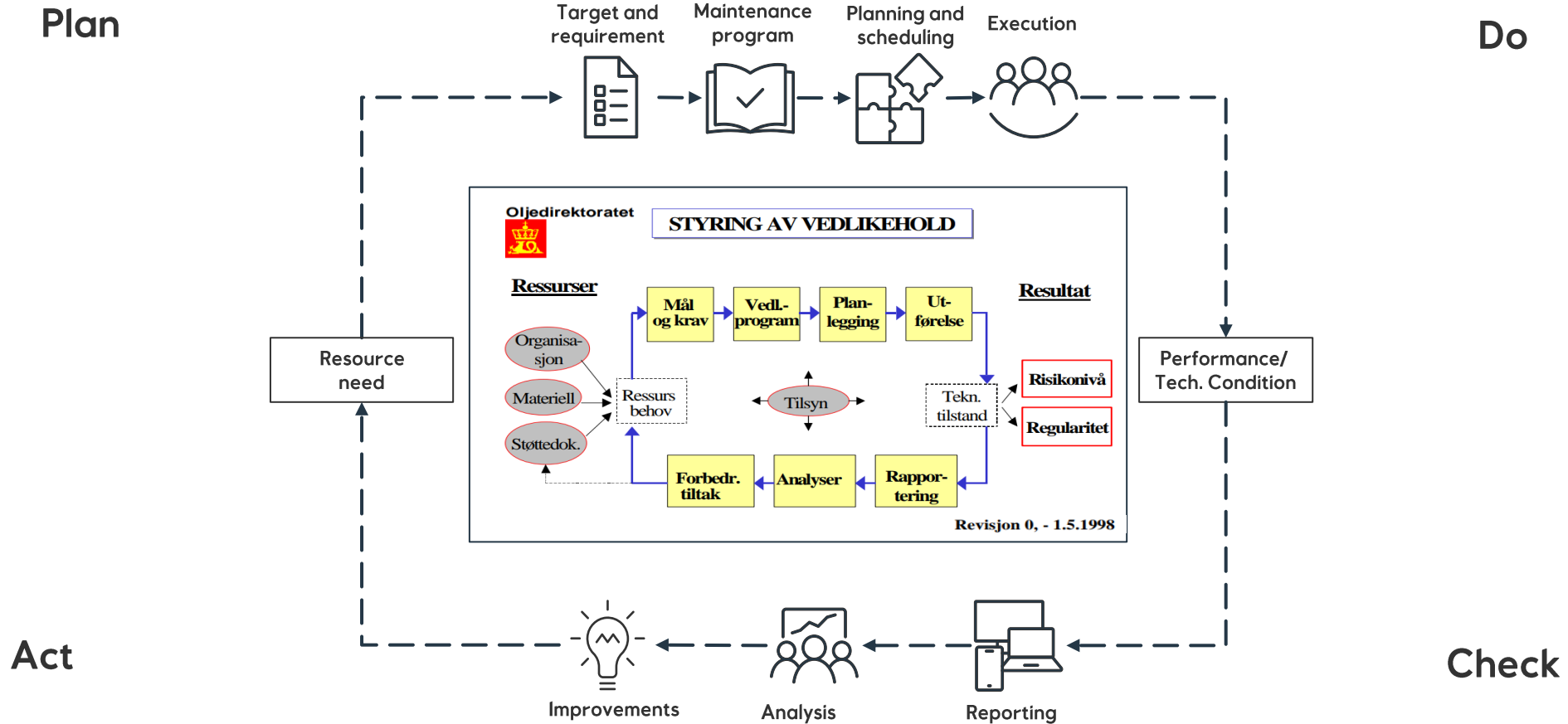


— Activities regulation §45 Maintenance —

The **responsible party** shall ensure that facilities or parts thereof are maintained, so that they are capable of carrying out their **required functions** in all phases of their lifetime.



Maintenance Management loop | Key Industry Authority regulation §





Maintenance Management loop | Key Industry Authority regulation §

Activities regulation §46 Classification

For **functional faults** that can lead to **serious consequences**, the responsible party **shall identify** the various **failure modes** with associated **failure causes** and **failure mechanisms**, and **predict the likelihood of failure** for the **individual failure mode**

Activities regulation §48 Planning and prioritisation

An overall plan shall be prepared for conducting the maintenance programme and corrective maintenance activities, ... Criteria shall be available for setting priorities with associated deadlines for carrying out the individual maintenance activities. The criteria shall consider the classification as mentioned in Section 46



Activities regulation §45 Maintenance

The responsible party shall ensure that facilities or parts thereof are maintained, so that they are capable of carrying out their **required functions** in all phases of their lifetime.

Activities regulation 47 Maintenance programme

Failure modes that may constitute a health, safety or environment risk, cf. Section 46, shall be systematically prevented through a maintenance programme.



Initial implementation of the future core OMM foundation – enabling transition to Intelligent Asset Management (IAM)

Core building blocks:

Classifications and consequence evaluation (Non SAP)

Maintenance Concepts

- Generic collection of maintenance requirements per equipment type
- Combines with consequence assessment / Risk and criticality
- Concept Activities linked to TL Operations

Matrix solution

- Linking Object list items to Task List/Order Operations

Technical Feedback

- Reliable maintenance history through positive feedback

Compliance reporting

-> Large Data/analytic and Fieldworker stack outside SAP



By combining the Equinor Plant Integrity solution with standard SAP Plant Maintenance, Equinor can close the maintenance/integrity loop.

This solution is core to all Equinor maintenance plans and currently holds **850 concepts and 202,000 maintenance items**, which manage Equinor's maintenance and integrity.

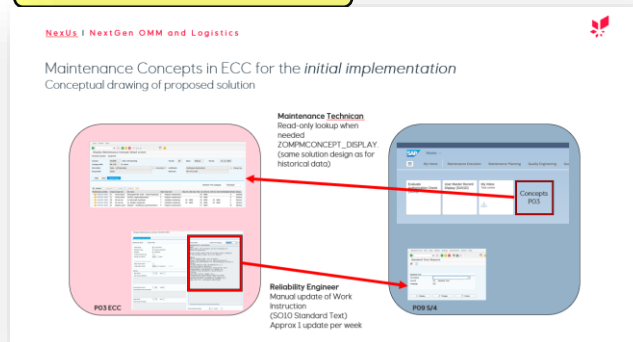
Equinor receives ~**1.8 million technical feedback lines** per year, which form the backbone for all test and reliability data and reporting, such as:

- SCE (Safety Critical Elements)
- TIMP (Technical Integrity Management Portal)
- RNNP (Risk Level Norwegian Petroleum) Gov./Havtil
- MIS Maintenance Management. KPI Plant, BU, BA and corporate level

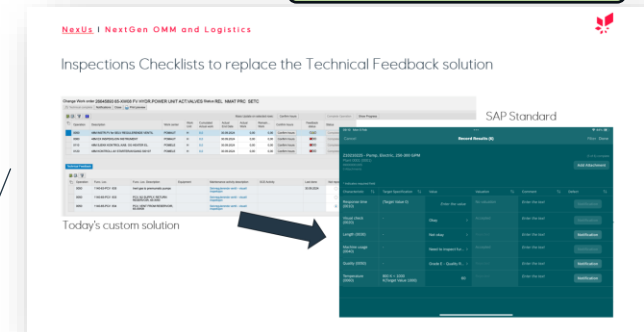


Initial implementation of the future core OMM foundation - enabling transition to Intelligent Asset Management (IAM)

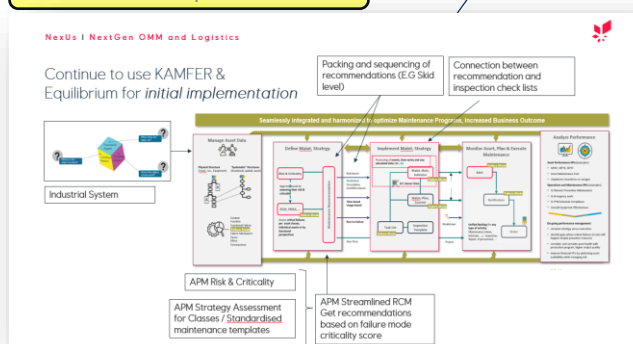
2 – Initial imp. Reuse



1- Future clean core



3 – Initial imp. Reuse



Classifications and consequence evolutions

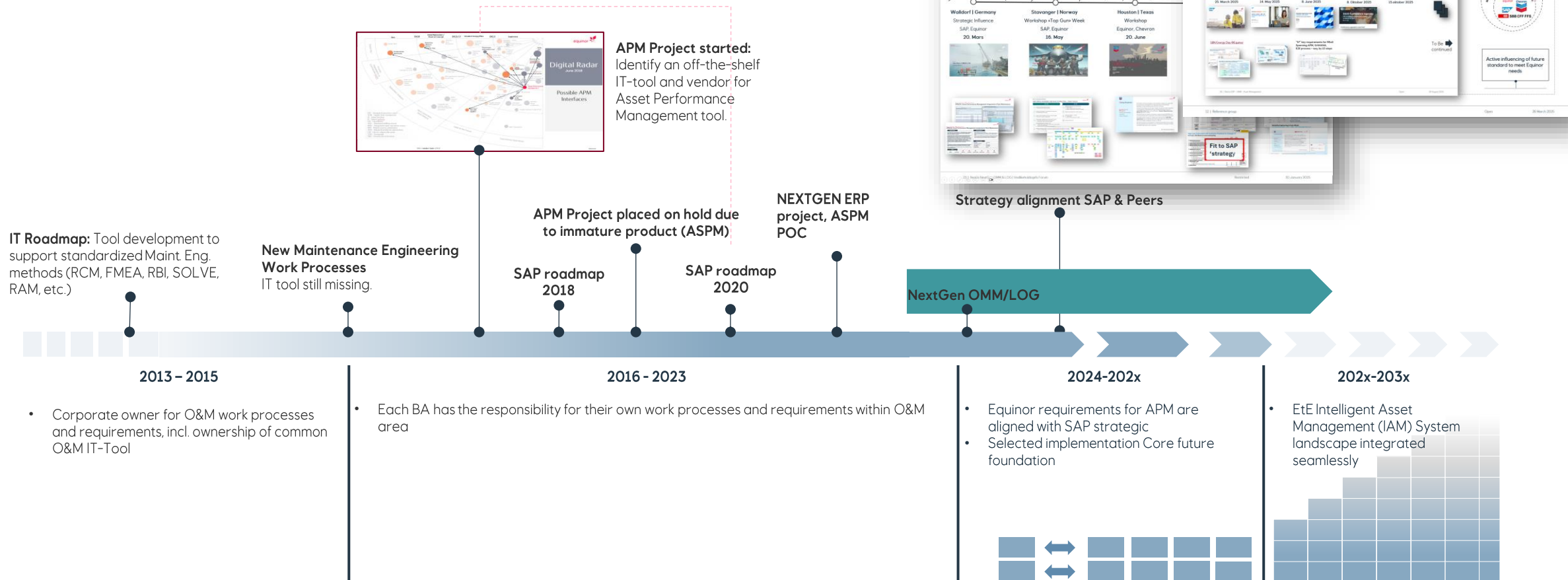


4 – Future IAM





Equinor has been searching for a decade to get a maintenance engineering tool in a EtE perspective





Maintenance Management loop -> closed in standard

A Decade of Drive | Reliability Engineering for Top Quartile Excellence

From



To-Be



2013 - 2015

2016 - 2023

NexUs 2024-202x

202x-203x

Utilize modern SAP standard solutions to capitalize on investment

Robust integration to selected 3rd party where needed

Prepare for future functionality by keeping core systems clean

Active influencing of future standard to meet Equinor needs

The Asset journey in Equinor

Rune Waage | Business lead NexUs ERP – OMM

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