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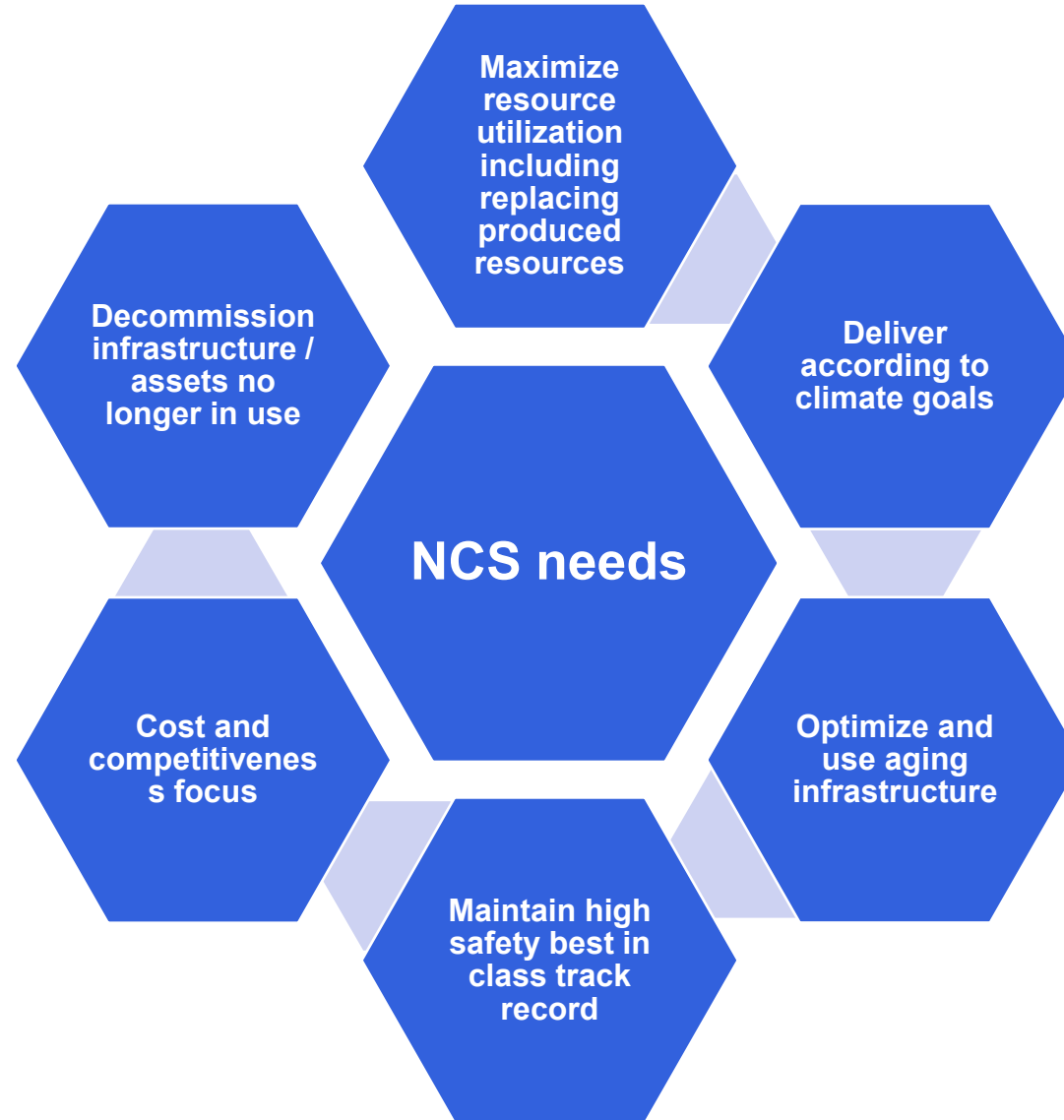
THE FUTURE FOR P&A ON THE NCS

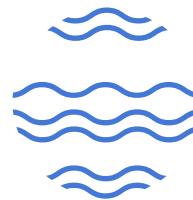
Magnus Svensson

Manager Subsurface, Drilling & Wells

Offshore Norge

STATUS NCS - NEEDS



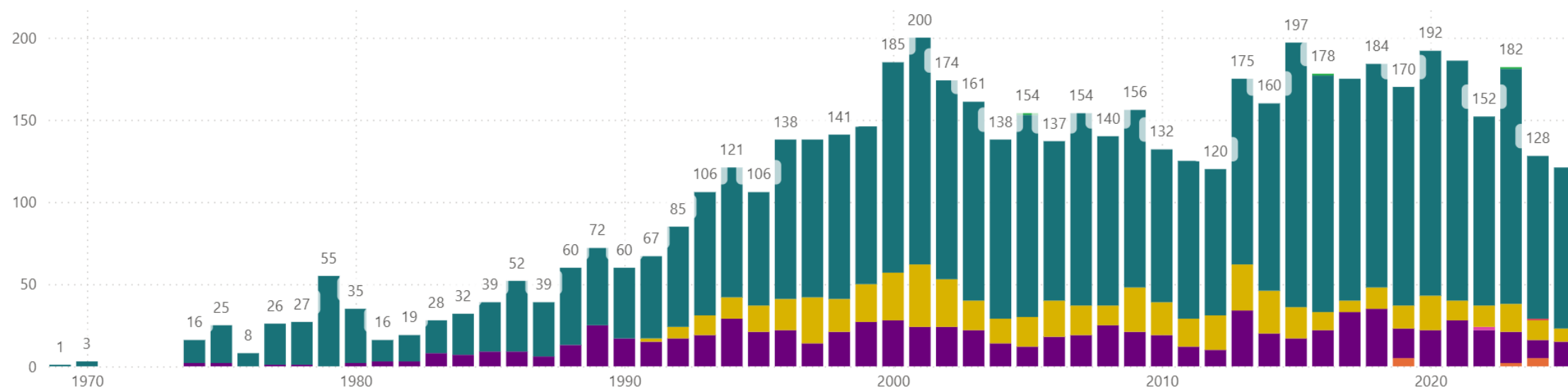


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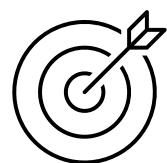
STATUS NCS - DRILLING

Production wellbores drilled and purpose

Opprinnelig formål ● APPRAISAL ● INJECTION ● INJECTION-CCS ● NOT AVAILABLE ● OBSERVATION ● PILOT ● PRODUCTION ● WILDCAT



Source: SODIR fact pages



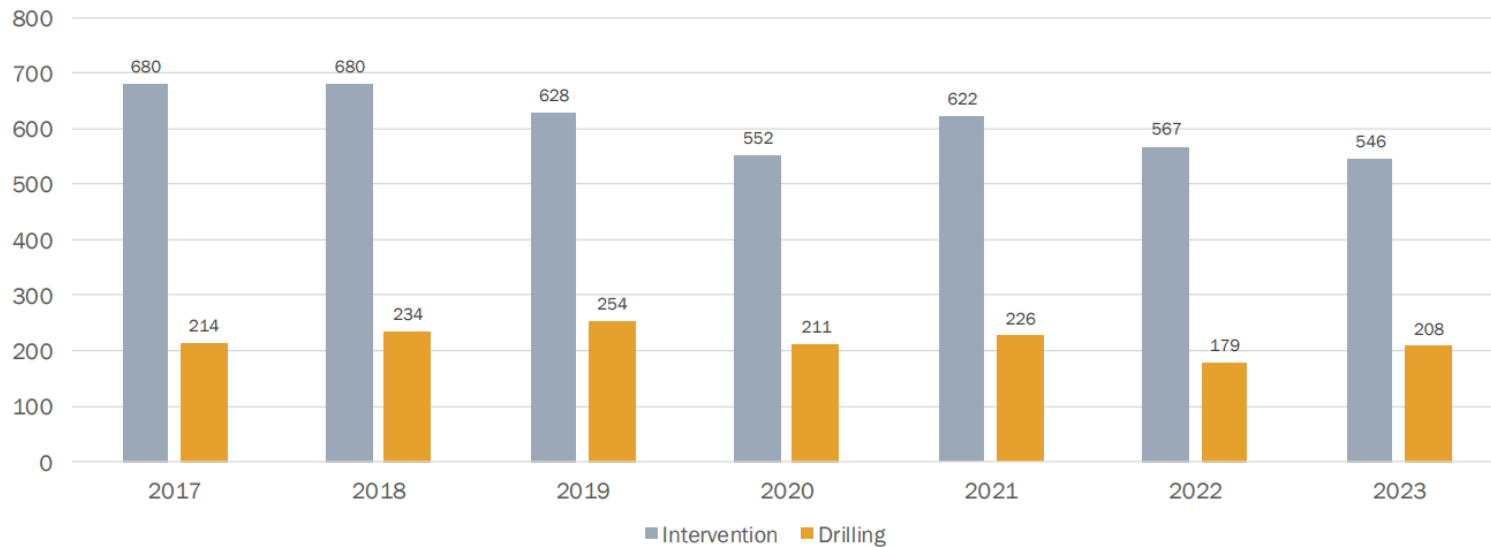
Maximize existing resource utilization

Replace produced resources

STATUS NCS - INTERVENTION



Activity comparison



Source: HAVTIL well intervention day 2025



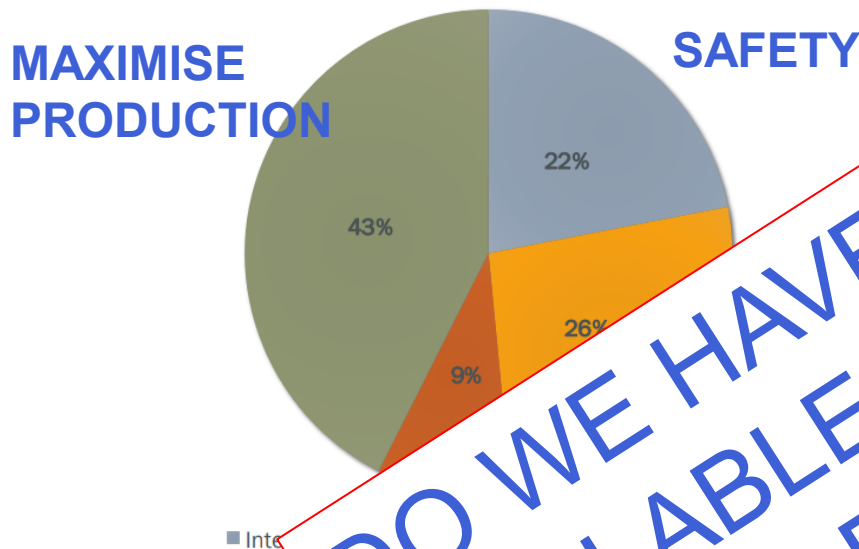
Maximize existing resource utilization

Replace produced resources

Maintain high safety track record – zero incidents should be the continued goal

STATUS NCS - INTERVENTION

LWI job distribution 2017-2023



DO WE HAVE THE CAPACITY AVAILABLE TO RUN RIGLESS? ARE WE FOCUSING WRONG?

Source: HANSEN



- Maximize resource utilization
- Replace aged resources
- Maintain high safety track record – zero incidents should be the continued goal

STATUS NCS – SAFETY WELL CONTROL INCIDENTS



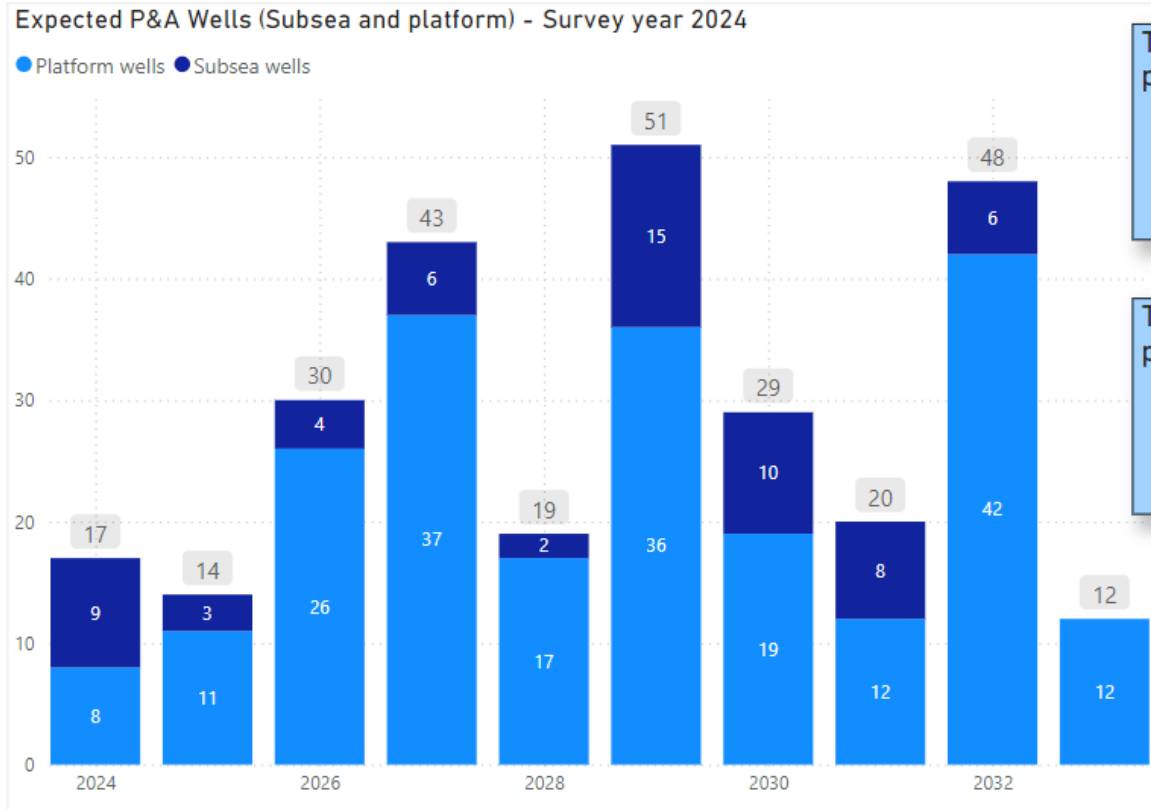
- Total: 17 well incidents
 - **0 critical well control incidents (Red)**
 - **0 serious well control incident (Yellow)**
 - **14 regular well control incidents (Green, used in RRNP)**
 - **2 regular well intervention incidents (Green, not in RRNP)**
 - **1 well integrity incidents (Green)**

- High number of shallow incidents due to Shallow gas pilot holes
- Incidents continues to be related to pore pressure prediction in depleted reservoirs
- New this year is several related to P&A /recompletion



Maintain high safety track record – zero incidents should be the continued goal

STATUS NCS – P&A

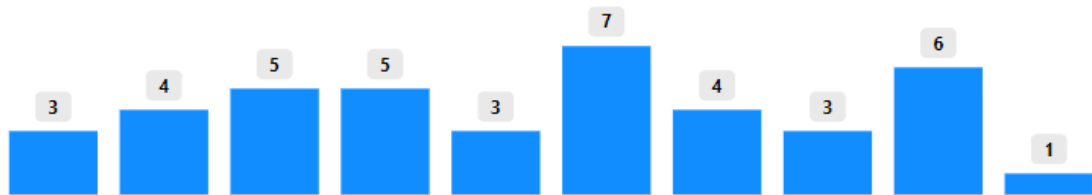


Total platform wells to be plugged 2024-2033

220

Total subsea wells to be plugged 2024-2033

63



Decommission infrastructure / assets no longer in use

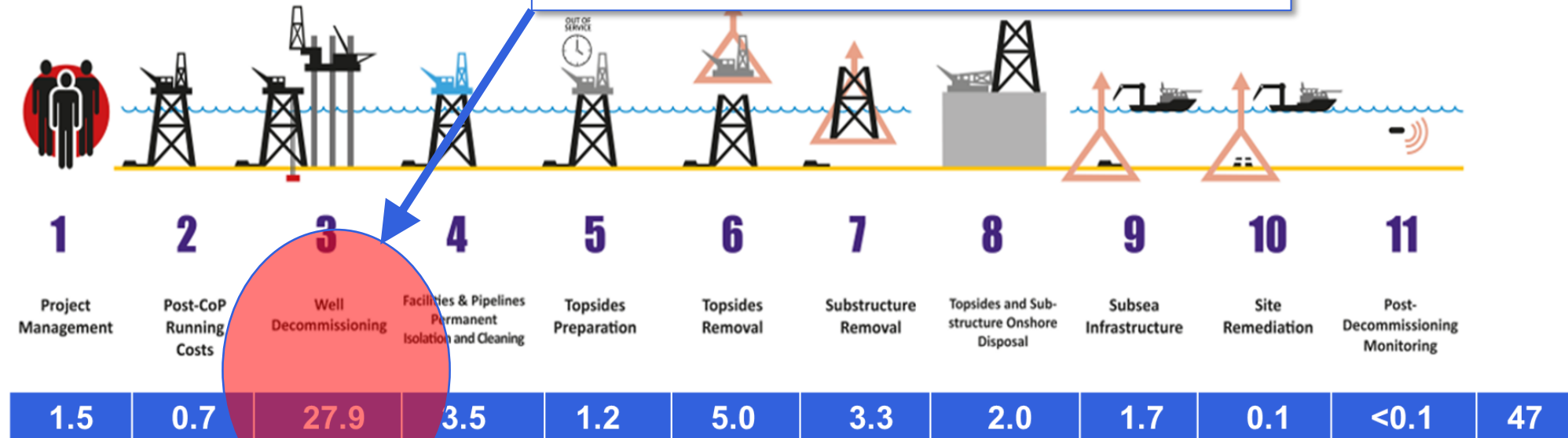
STATUS NCS – P&A



OVERVIEW 10-YEAR COST FORECAST (2024-2033)

Market potential

Approximately 59% of the total cost...



All values are 2024 BNOK



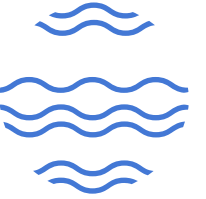
Decommission infrastructure / assets no longer in use
Cost and competitiveness focus



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ARE WE RIGGED FOR SUCCESS?

HOW TO ACHIEVE SUCCESS...



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KEY TO SUCCESS....



Focus on highest value activities first...



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OFFSHORE NORGE'S EFFORT AND ROLE AS AN INDUSTRY ENABLER AND VALUE CREATOR FOR THE NCS



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MAXIMISE RESOURCE RECOVERY AND UTILIZATION ON THE NCS

Offshore Norge marginal sub-sea tieback fields project

BACKGROUND AND MAIN PURPOSE



Norway's production will decline in the coming years, and estimated production will be heavily reduced by 2032 (incl. all new projects covered by temporary tax package).

Main purpose of the project:

Enhance the business case for marginal subsea tie-backs on NCS through faster execution, enhanced recovery, reduced cost and reuse.

VISION



“Enable safe, sustainable and profitable extraction
of recoverable resources
from marginal discoveries”



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COST EFFECTIVE, SAFE AND SUSTAINABLE P&A OPERATIONS ON THE NCS

BACKGROUND AND MAIN PURPOSE

Norway's production will decline in the coming years, and even though the goal is to maintain a high production from the Norwegian continental shelf it is acknowledged that in the coming year's, more and more fields will enter the decommissioning phase and as such it is important to ensure a future safe and cost-effective decommissioning phase with special emphasis on P&A operations. The current estimate of wells to be plugged in the future is around 3000 with a potential current cost of 800 billion NOKs. In the current P&A landscape it is noted many good initiatives, a less focused industry approach and that the train is moving slowly from the main station

Main purpose of this initiative:

Reduce barriers to enable safe, sustainable, border less and cost-effective best in class P&A operations on the Norwegian Continental Shelf

VISION



“Enable safe, sustainable, cost effective, border less and best in class P&A operations and technology development on the NCS”

STRATEGY- UNLOCK COST EFFECTIVE P&A OPERATIONS SMART



No compromise on safety, average P&A operations shall within 2030 have:

- Platform wells
 - Derrick driven - XX
 - Non-Derrick driven - XX
- Subsea wells - XX
- Reduced emissions accordance with *climate goals

To be able to reach main strategy it shall be a special emphasis on but not limited to reaching the following goals (compared to year 2025):

- Decrease slot recovery cost with XX
- Reduce time spent with XX (planning to casing & conductor removal)
- Reuse of at least XX

HOW?

As is study

- Understand the problem
- Establish common industry understanding including stakeholders
- Identify highest value actions according to established goals

Decision – possible execution of highest value actions

Goal's measurement
are we there in 2030?



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THANK YOU