

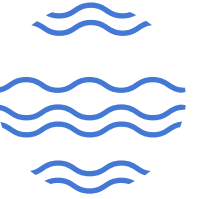


Offshore Norge outlook decom next 10 years

Anne-Lise Søyland - Manager, regulations and operational management, Offshore Norge
Magnus Svensson – Manager Subsurface Drilling & Wells, Offshore Norge

P&A Seminar 2024

SAFETY & WORKING TOGETHER



OFFSHORE NORGE

2023

- 11 regular well control incidents (green)
- Incidents continues to be related to pore pressure prediction
- High number of shallow incidents due to SGP
- Well intervention 1 green incident reported
 - Presence of H₂S caused fracturing of CT due to sulphide stress cracking

SHARING TO BE BETTER

P&A of old subsea well

[Sharing to be better #23 P&A of old subsea well](#)

OFFSHORE NORGE COMMON INDUSTRY COOPERATION



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Collabor8 – By Offshore Norge

An arena for creating value through digital collaboration

Services

[For suppliers ↗](#)

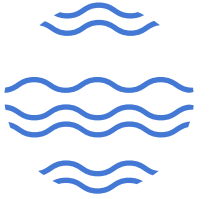
Services

[For operators, partners and authorities ↗](#)



<https://collabor8.no/>

OFFSHORE NORGE P&A NETWORK ROADMAP



OFFSHORE NORGE

P&A ROADMAP REGISTER FEEDBACK

Platform

PHASE | TRL | GRID | GRID GROUPED BY PHASES | TIMELINE

Well bore diagnostics	Establish barriers	Access to establish barriers	Verify barriers	Casing and conductor removal
<ul style="list-style-type: none">WIRELINE TO VERIFY ACCESS"SLIM (1-1,5'') DIGITAL CALIPERS"LEAKAGE DETECTION THROUGH USAGE OF WELLBORE DRONELOGGING THROUGH THE USE OF WELLBORE DRONEWELLHEAD SENSOR FOR SCP RATE AND SOURCEDUAL STRING LOGGING	<ul style="list-style-type: none">BARRIER PLACEMENT THROUGH USE OF UMBILICALSGEOPOLYMERTERMITEBARITEBISMUTHP/W/CDUAL CASING BARRIER PLUGS PLACEMENT	<ul style="list-style-type: none">ABRASIVE REMOVAL OF CONTROL LINESCASING MILLING LEAVING SWARF IN HOLE - ROTAMILLWASH FREE CASINGELECTROCHEMICAL STEEL REMOVALCASING JACKCONTROL LINE REMOVAL	<ul style="list-style-type: none">VERIFICATION OF DUAL CASING BARRIERSNEW METHOD OF VERIFYING BARRIER IN DUAL ANNULAR PWCBARRIER VERIFICATION ON BHAWIRELINE TOOLS TO BE USED FOR BARRIER VERIFICATIONTRACER GASWIRELESS SENSOR TECHNOLOGYNEW W/L TOOLS FOR BARRIER VERIFICATION	<ul style="list-style-type: none">MULTISTRING CONDUCTOR CUTTERUSE OF HLV FOR CONDUCTOR REMOVALOPTIMIZE TOOLBOX AND PROCESSES FOR CASING/CONDUCTOR REMOVAL

FROM BIG TO RIGLESS

<https://pa-roadmap-app.collabor8.no/>

DATA COLLECTION – VALUE AND BACKGROUND



VALUE

- Overview of coming activity levels
- Prepare supplier market
- Provides timelines that will support the timing of required technical development
- Support Benchmarking
- Be of interest for the authorities
- Contribute to visualise requirements of possible changes to regulations

BACKGROUND

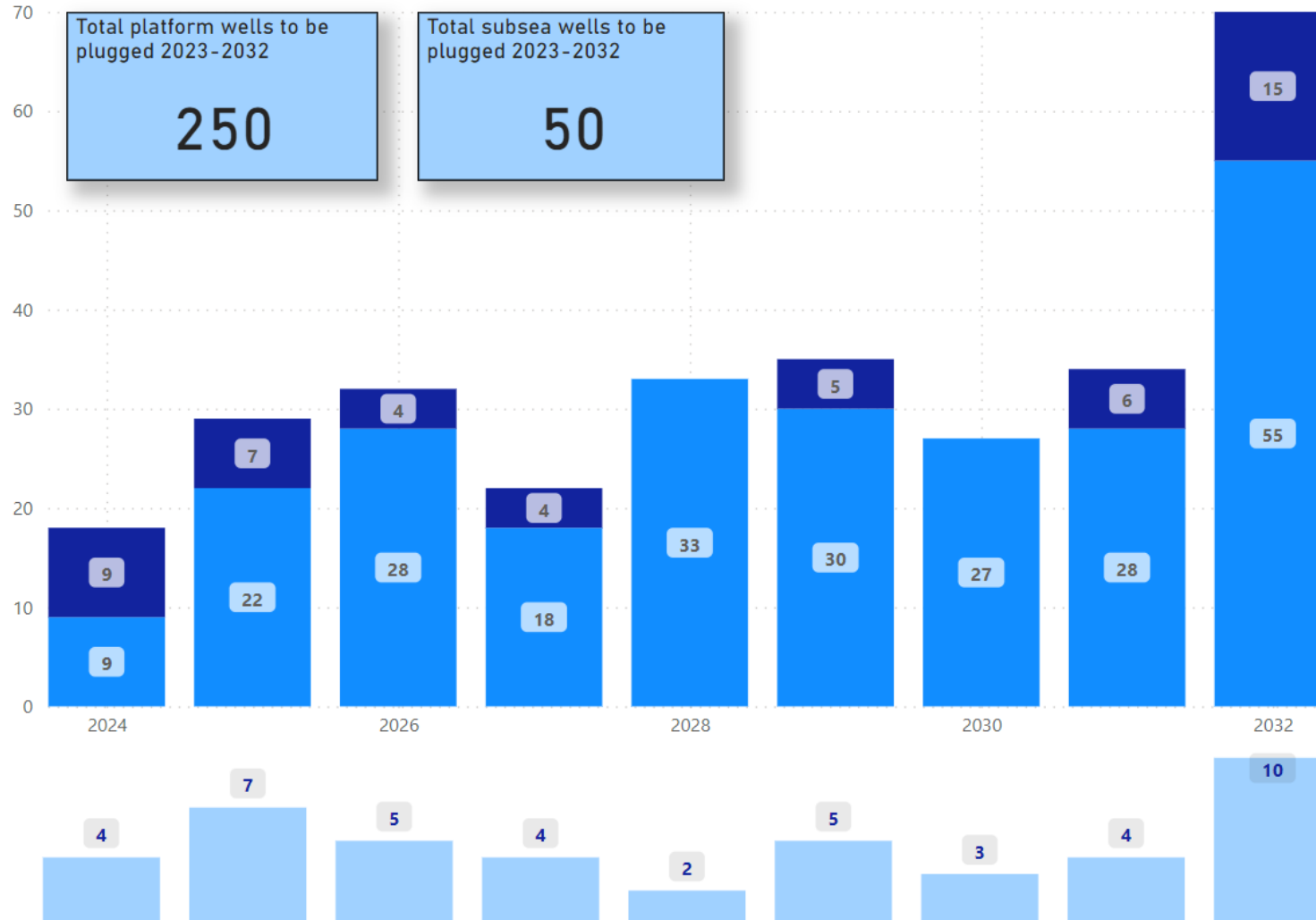
- The Data Collection was done in the period May to September 2024
- Eleven operators responded
- Data was sent to Offshore Energies UK for inclusion into Insight Report 2024
- More cost information received
- **Going Forward**
- Digitalisation of data collection

WELLS DECOMMISSIONING 2023



Expected P&A Wells (Subsea and platform) - Survey year 2023

● Platform wells ● Subsea wells ● Suspended Subsea E&A Wells



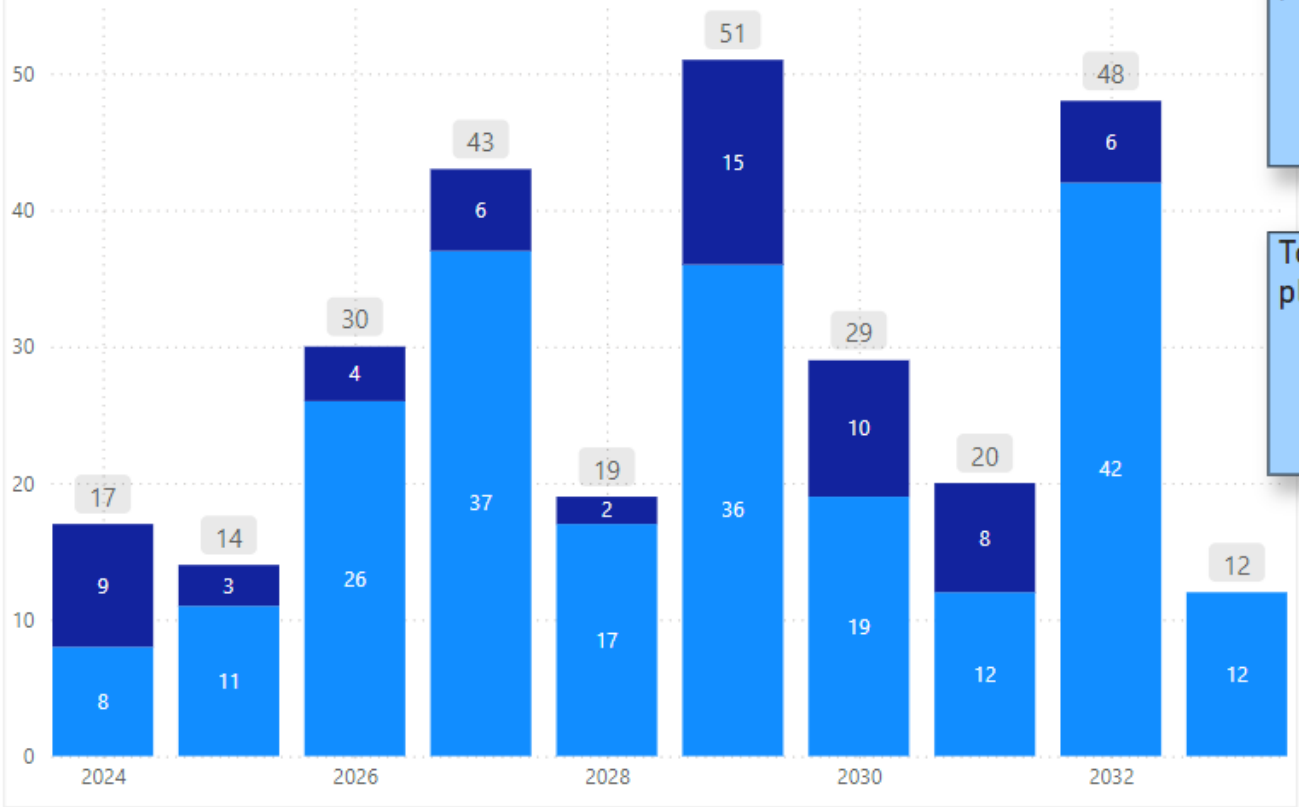
Number of assets

WELLS DECOMMISSIONING 2024



Expected P&A Wells (Subsea and platform) - Survey year 2024

● Platform wells ● Subsea wells

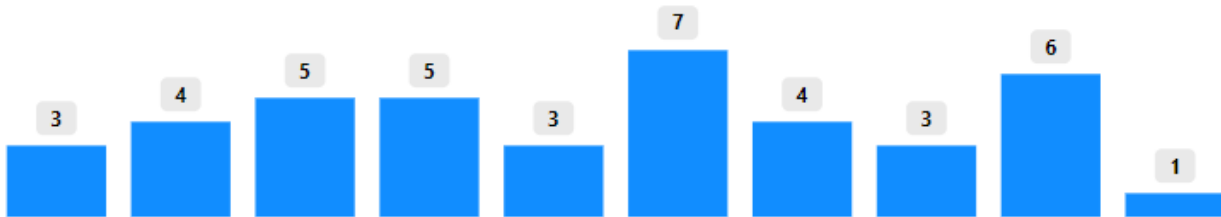


Total platform wells to be plugged 2024-2033

220

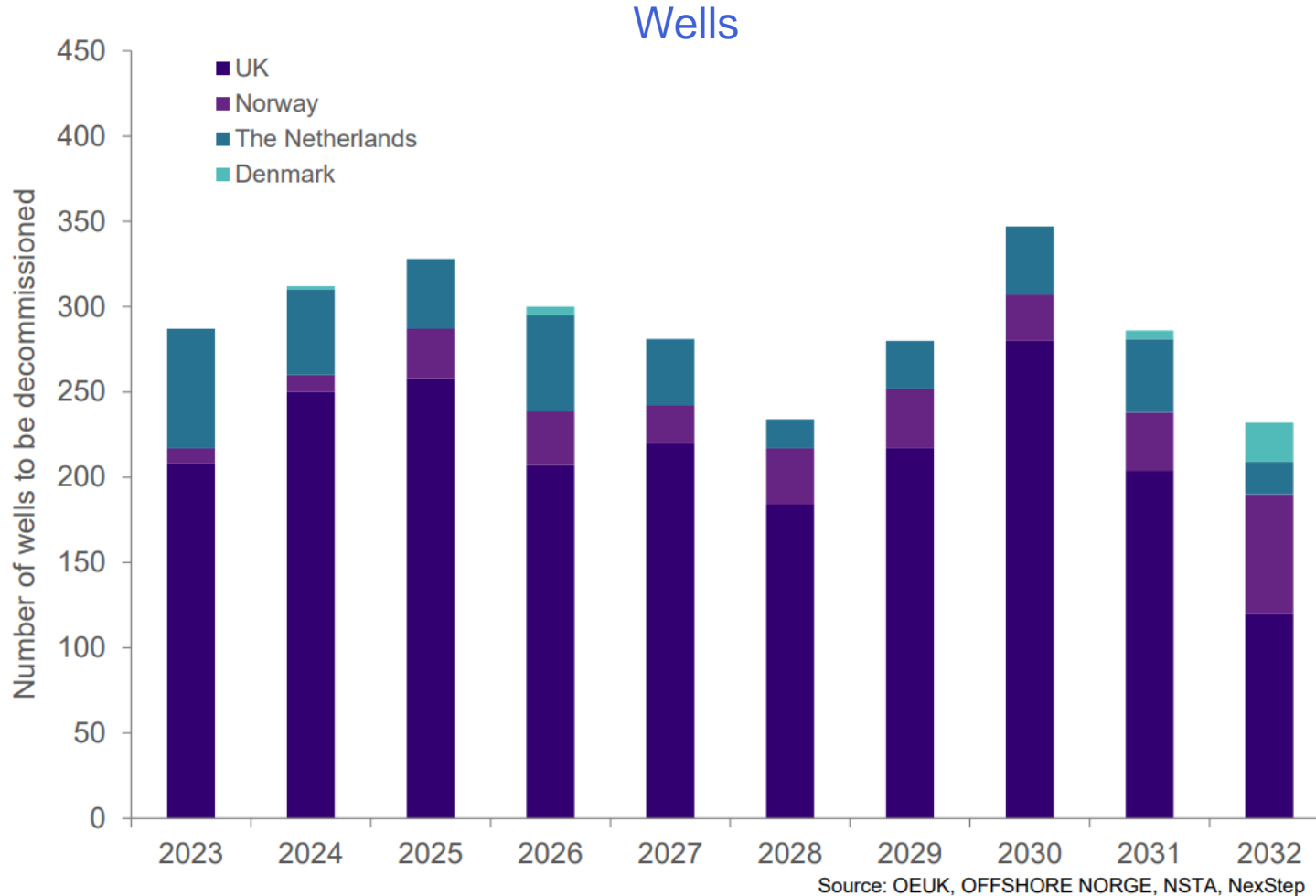
Total subsea wells to be plugged 2024-2033

63



Number of assets

NEXT 10 YEARS OVERVIEW NORTH SEA



SUSTAINABILITY STUDY



- Collaboration with **the University in Bergen**
- Comparative assessment - **decommissioning regulations and circular economy**
- Overview and comparison of regulations for **Norway, UK, Netherlands and Australia**
- Commenced Q4 2023 and due for **completion late Q4 2024**

CONTACT INFO



We are open for any suggestions → Feel free to contact us

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