

# Updates from Well Intervention and Well Integrity

Bore- og brønnfagdag

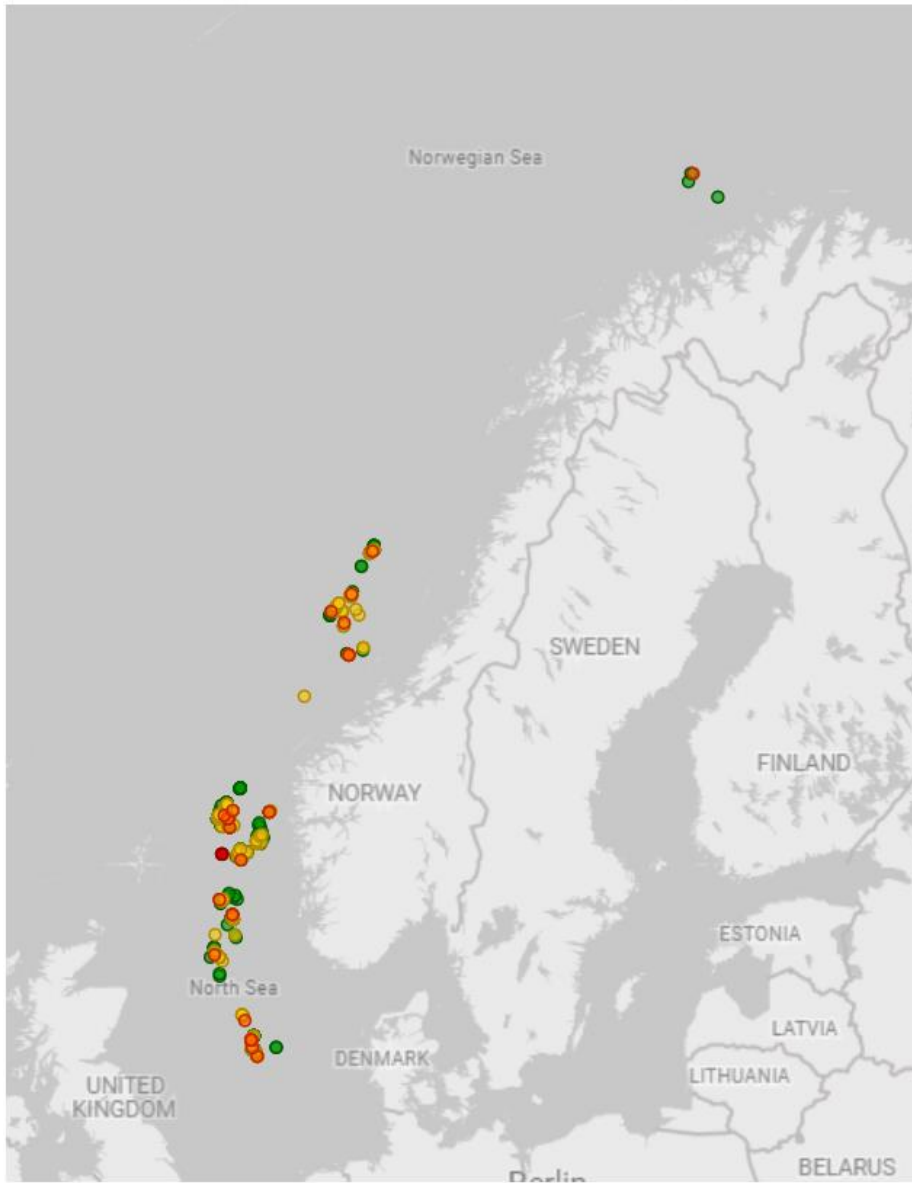
Trondheim, Norway – November 13<sup>th</sup> 2025

**Presenter:**

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Principal Engineer – Drilling and Well Technology

Integrity status ● Green ● Yellow ● Orange ● Red



Overview of well integrity status for selected wells

## Norwegian Continental Shelf 2025

### Petroleum activities – offshore and onshore

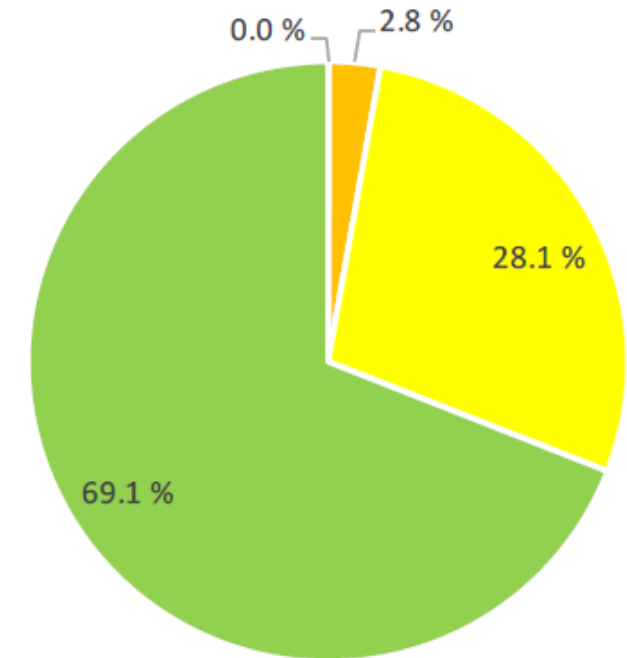
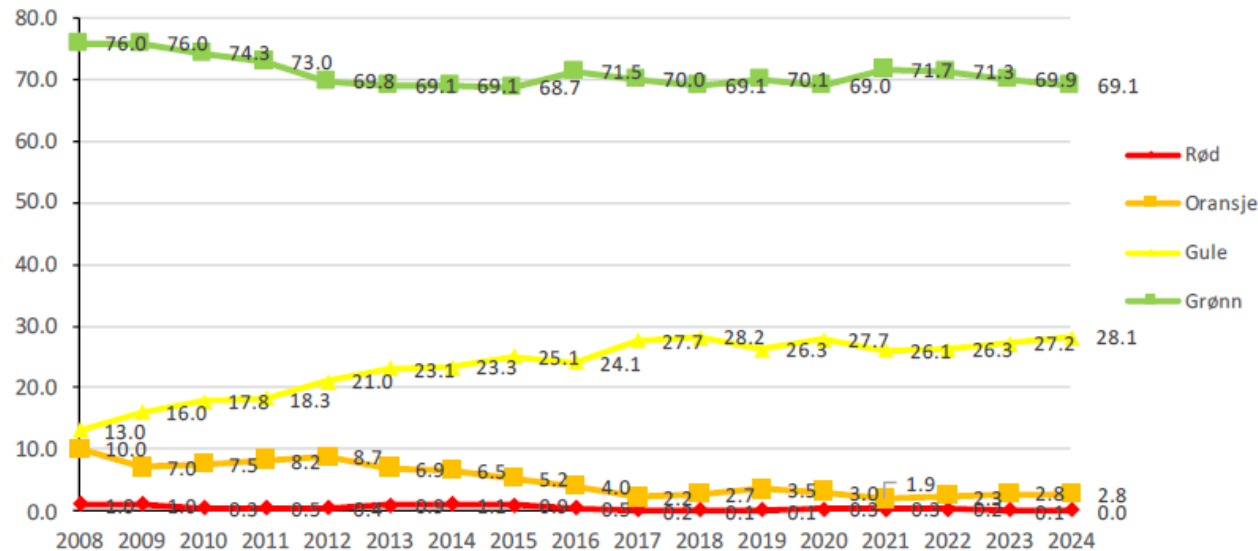
- 94 fields in production
- 61 fixed facilities
- 382 subsea facilities
- 2,218 active wells (RNNP 2025)
  - 488 temporarily abandoned wells incl. shut-in
- 25,000 employees offshore
- 18,310 km of pipelines
- 7 onshore plants



# Well Integrity Barrier Status (RNNP) – active wells

## Overview of active wells

- 94 fields in production
- 2,218 active wells (RNNP 2025)
  - 488 temporarily abandoned wells incl. shut-in

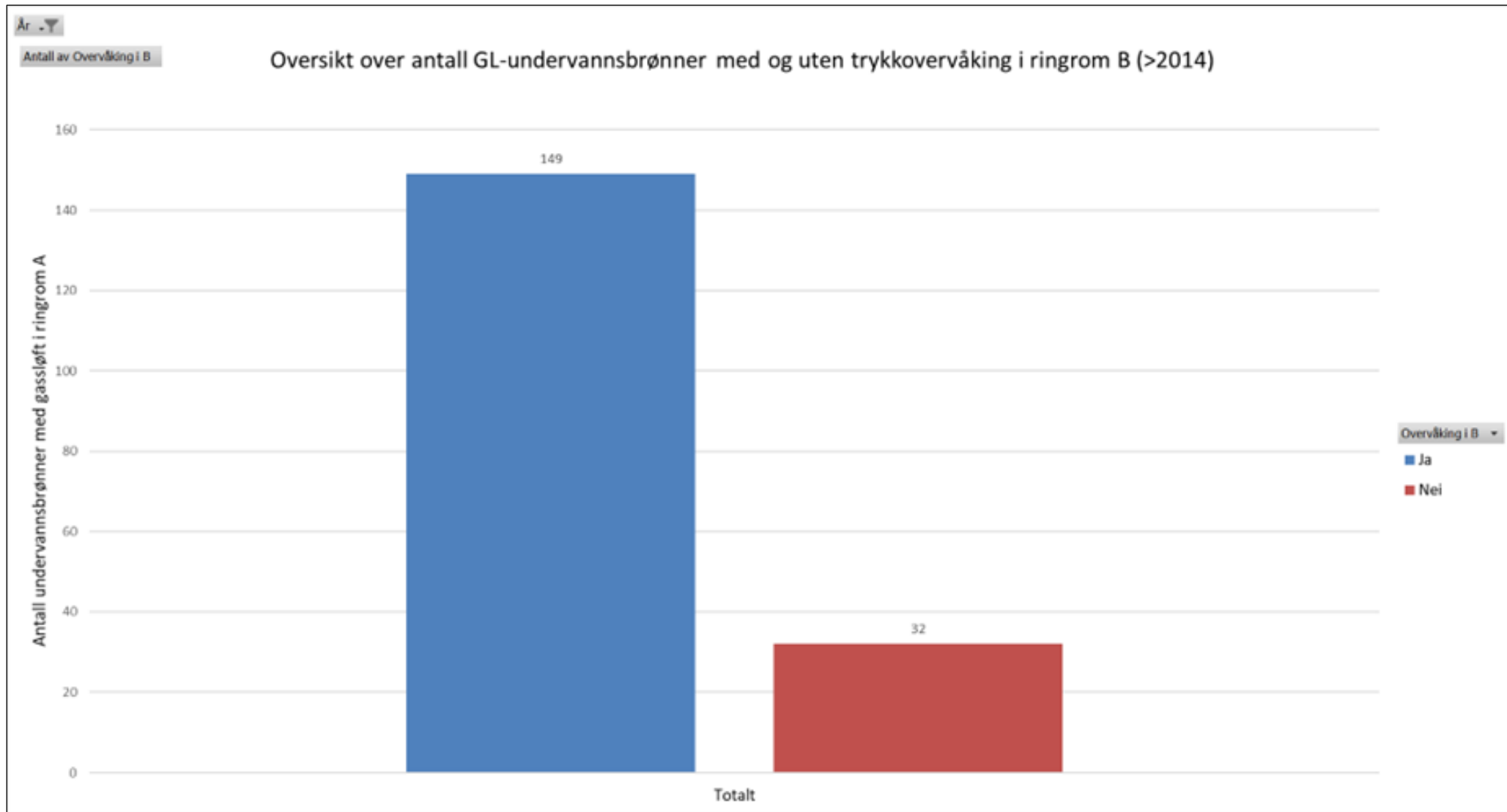


Category	Principle
Red	One barrier failure and the other is degraded/not verified, or leak to surface
Orange	One barrier failure and the other is intact, or a single failure may lead to leak to surface
Yellow	One barrier degraded, the other is intact
Green	Healthy well - no or minor issue

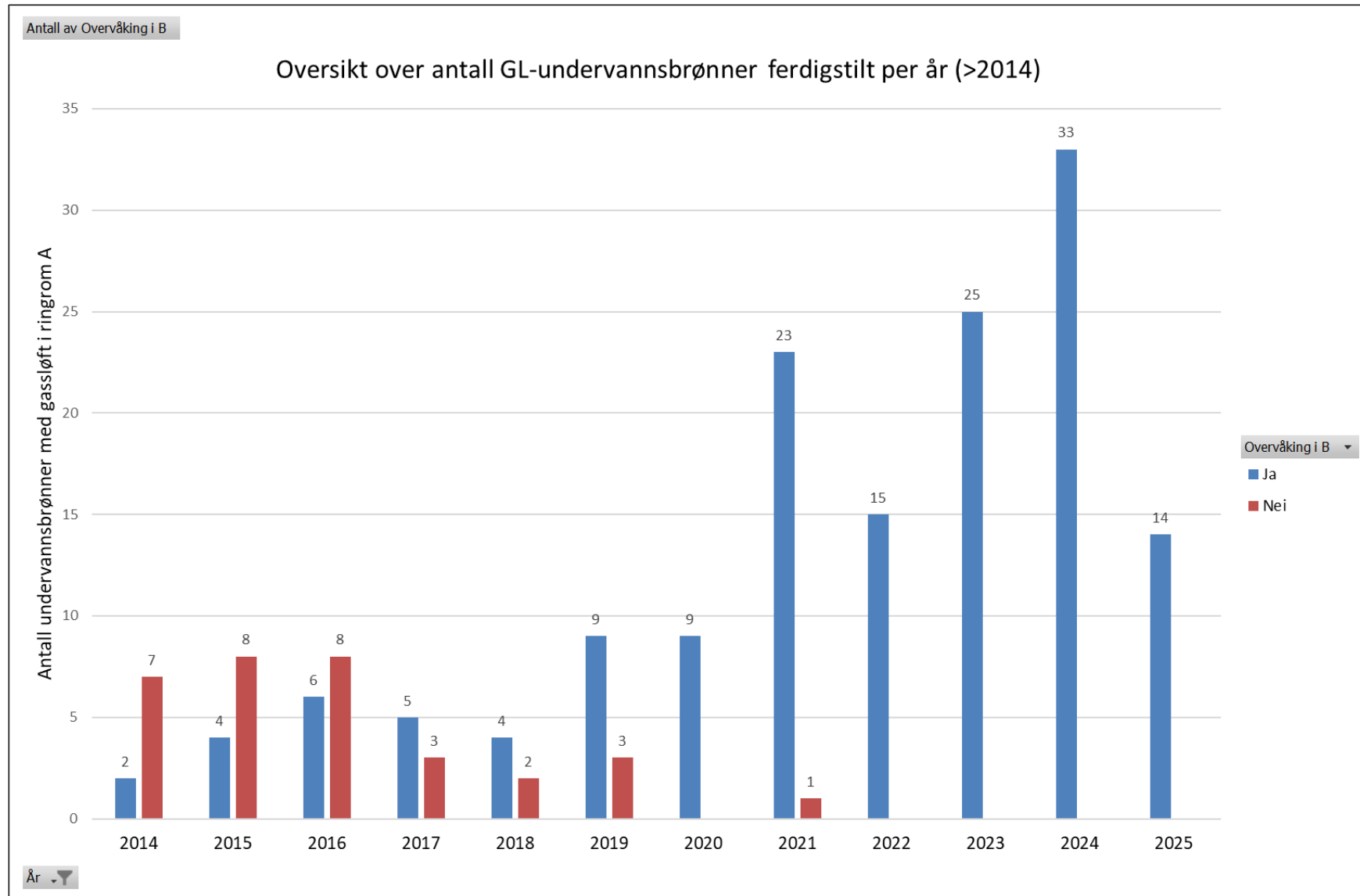


# B-annulus monitoring in subsea GL-wells

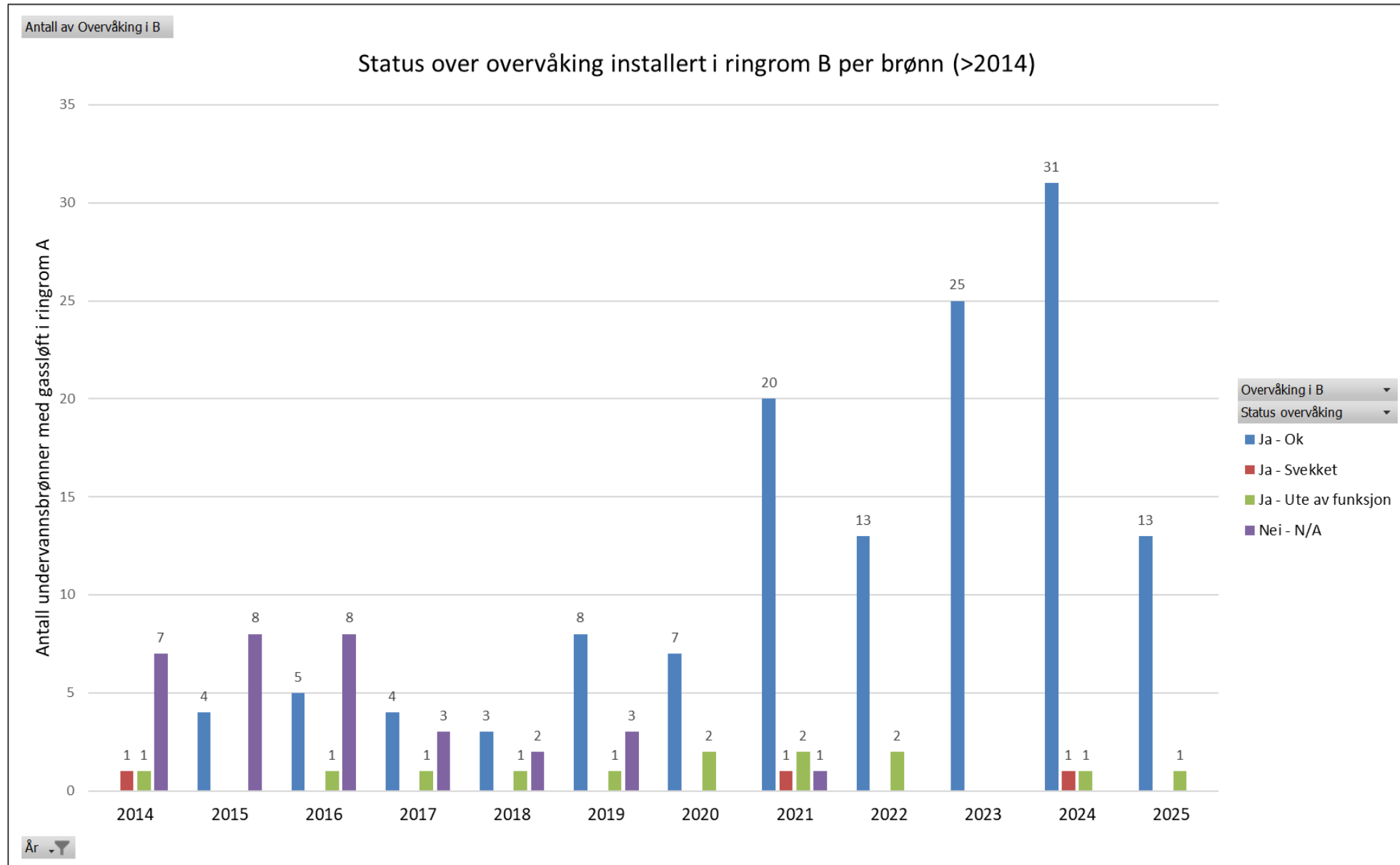
# B-annulus monitoring in subsea GL-wells



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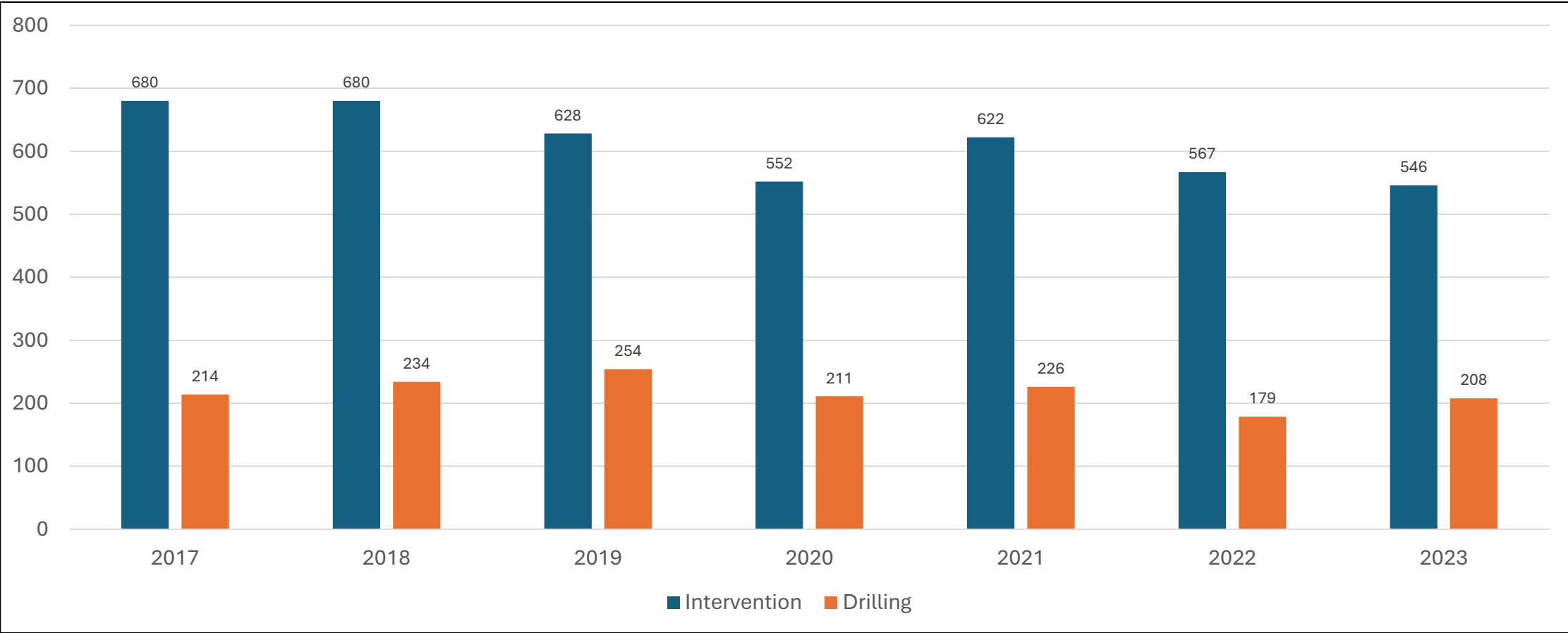
# B-annulus monitoring in subsea GL-wells



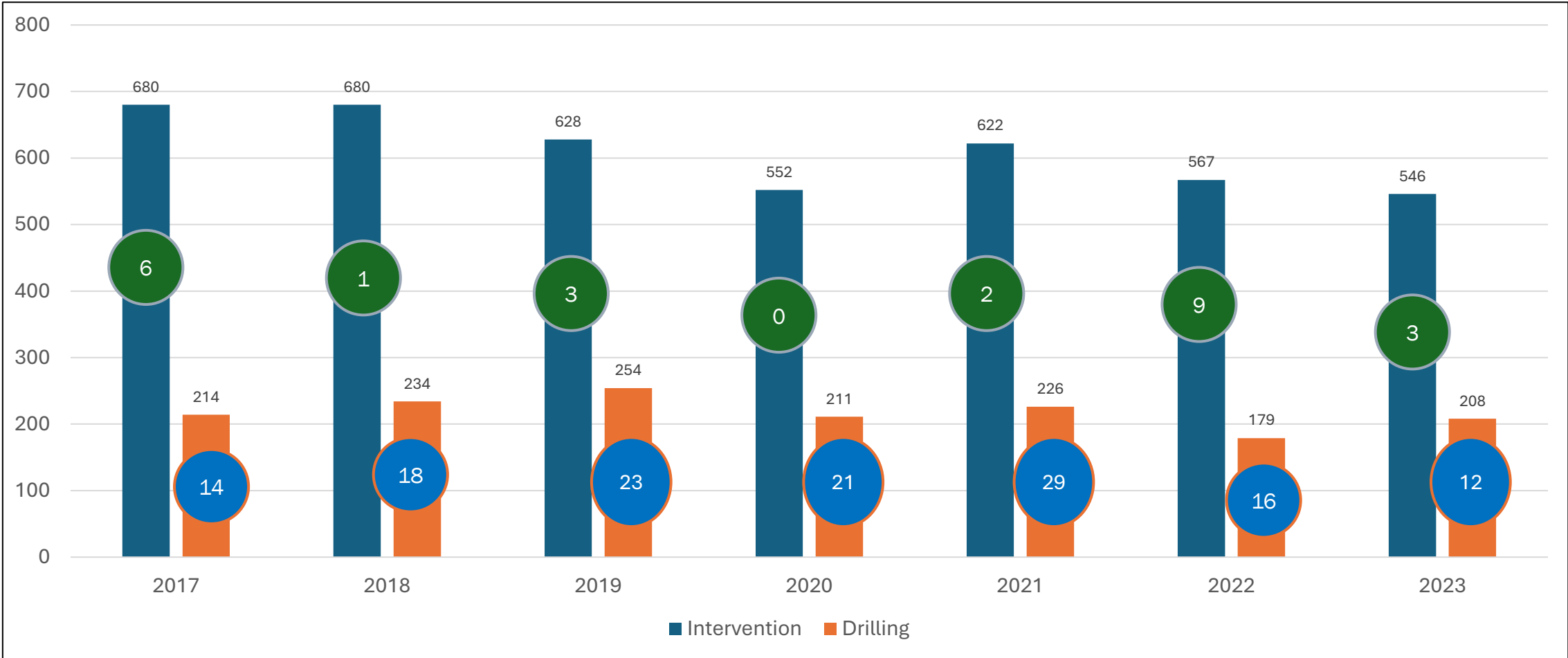


# Well intervention activities (2017 – 2023)

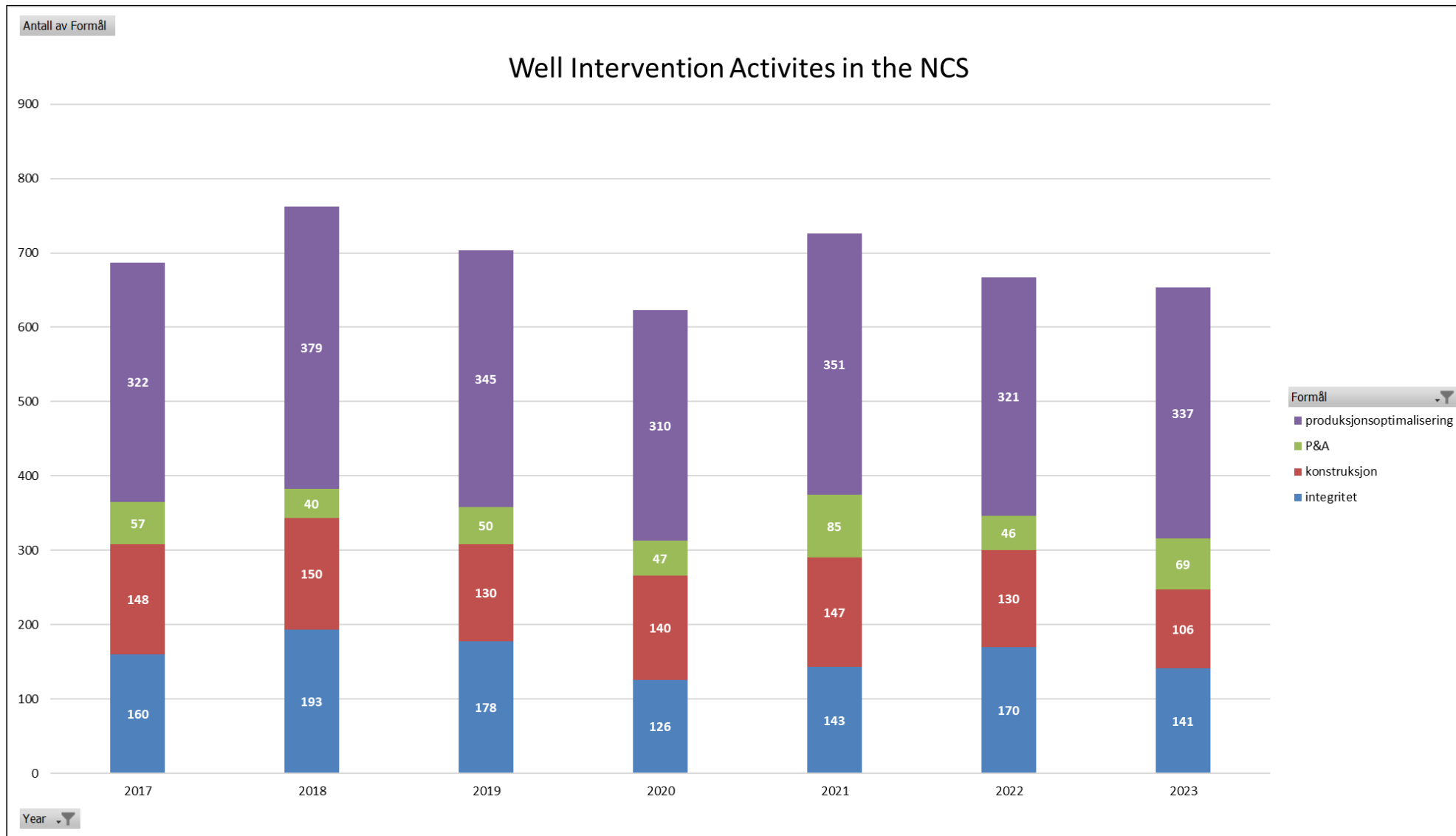
# Well Intervention Activities – Activity comparison



# Well Intervention Activities – Incident comparison



# Well Intervention Activities – Reinstating well barriers

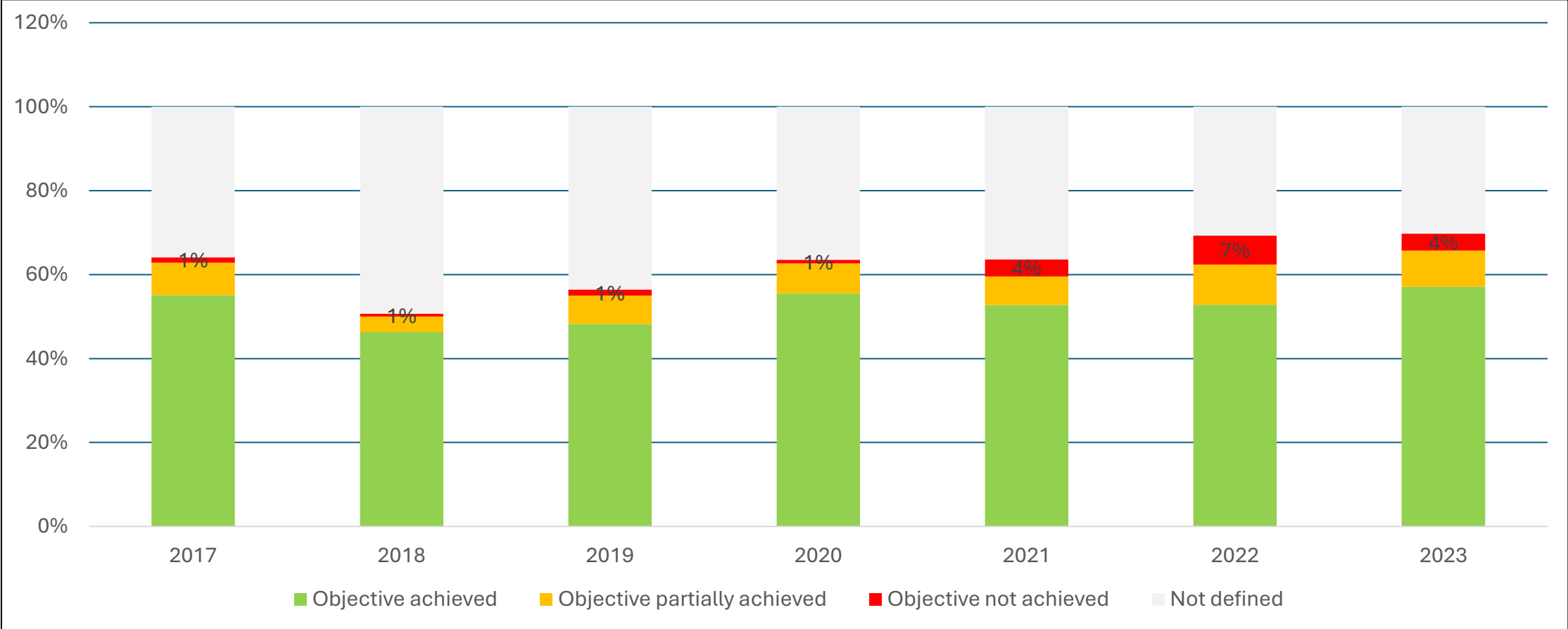


**Average:**

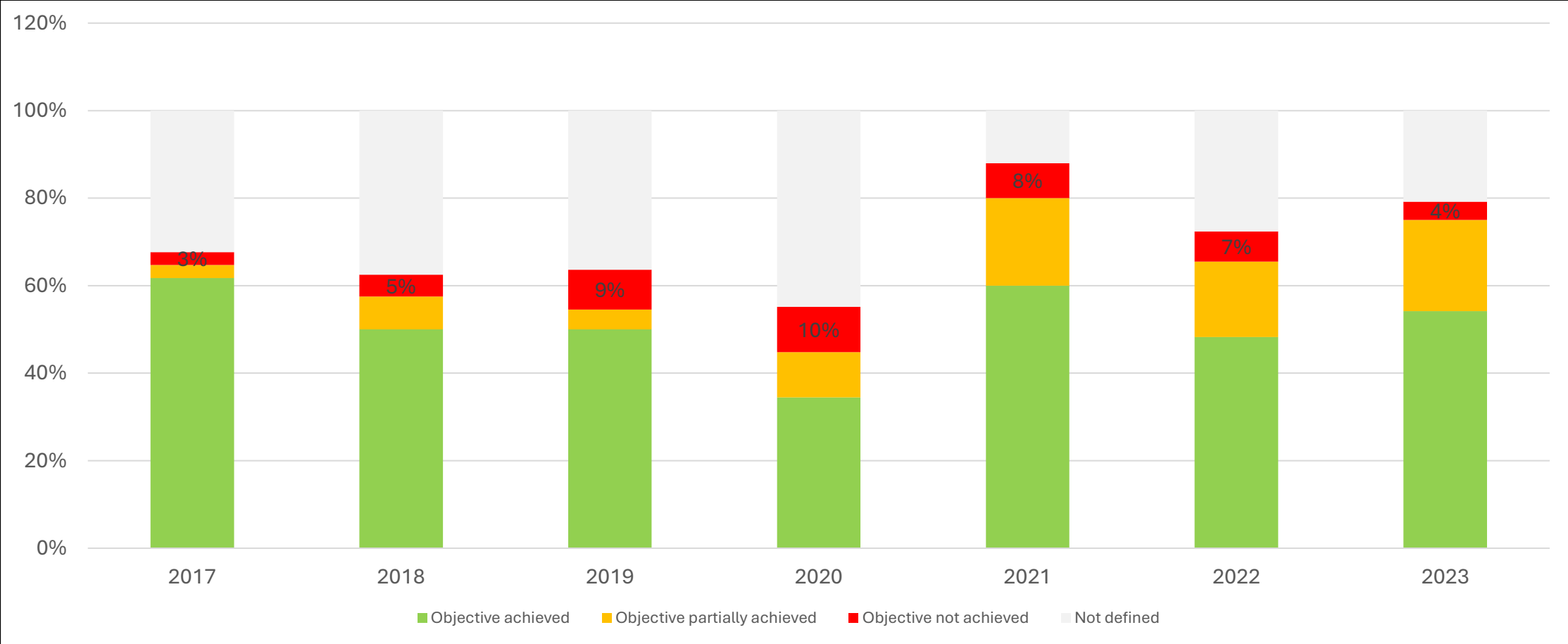
688 intervention activities per year

Well integrity and P&A: 31% of all jobs

# Well Intervention Activities – Job achievement (WL)



# Well Intervention Activities – Job achievement (CT)





# Reflections from audits

# Trends from our well integrity audits (2020-2025)

## Organizational Barriers can be the Root Cause of Well Integrity Issues

Findings from 9 audits related to well integrity in wells in operation conducted between 2020 and 2025 show that:

- a) Organizational blind spots in Well Integrity Management
  - Inadequate awareness of failed or degraded well barrier elements
  - Organizational weaknesses in ensuring well barrier independence and monitoring of well barrier performance
- b) Role conflict and competence gaps in Well Integrity Management
  - Lack of role independency and insufficient staffing in well integrity follow-up
  - Gaps in competence and training influencing operational safety
- c) Poor follow up of Well Integrity Management System
  - No internal verification of well integrity systems or governing documents
  - Poor follow-up of activities and processes to ensure continuous improvement



Thank you!

Questions?



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