



# DIGITAL PROCEDURE

Implementation Experience

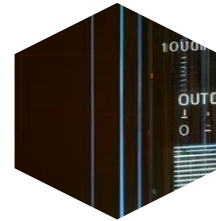
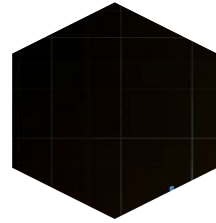
Wintershall Dea Norway

By **Ottar Kvindesland & Jan Arild Skappel**

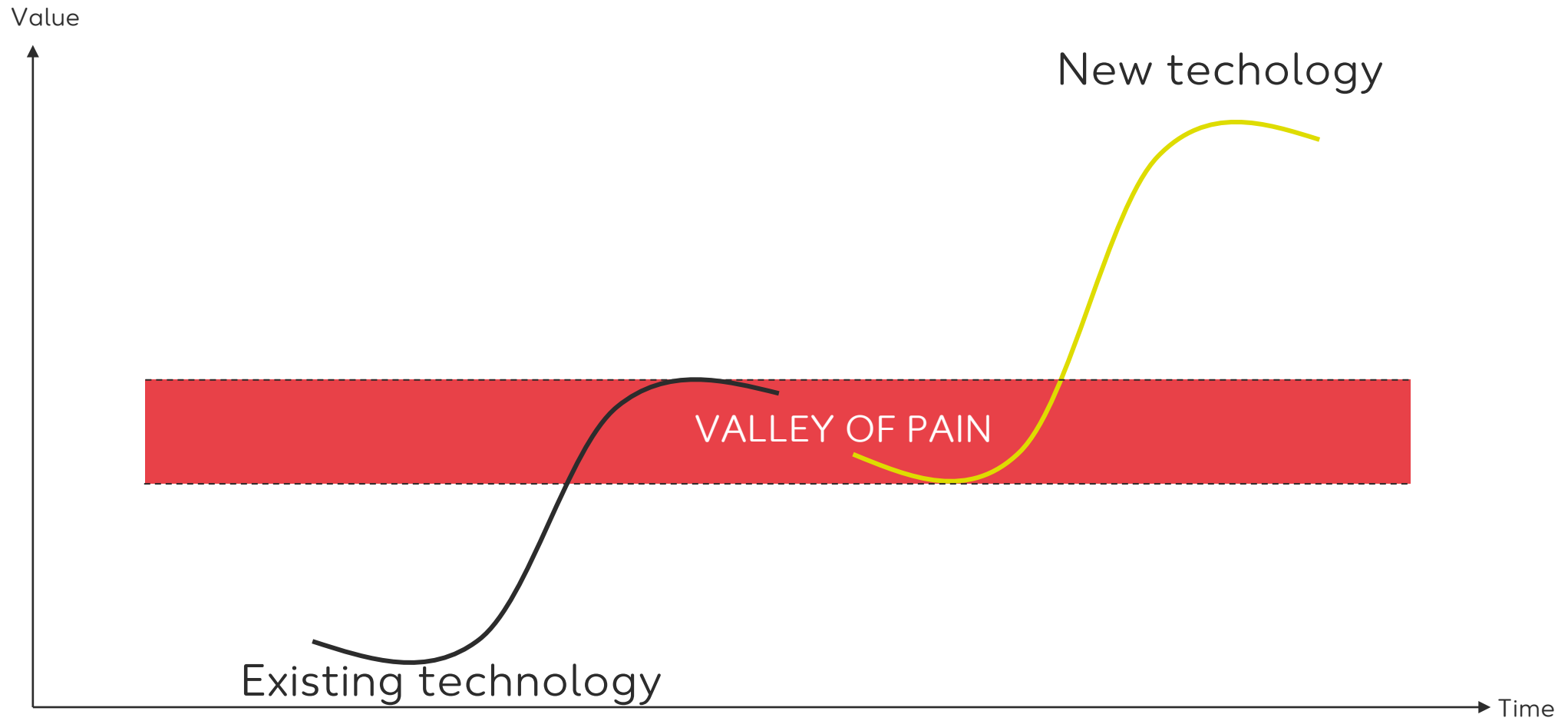


# AGENDA

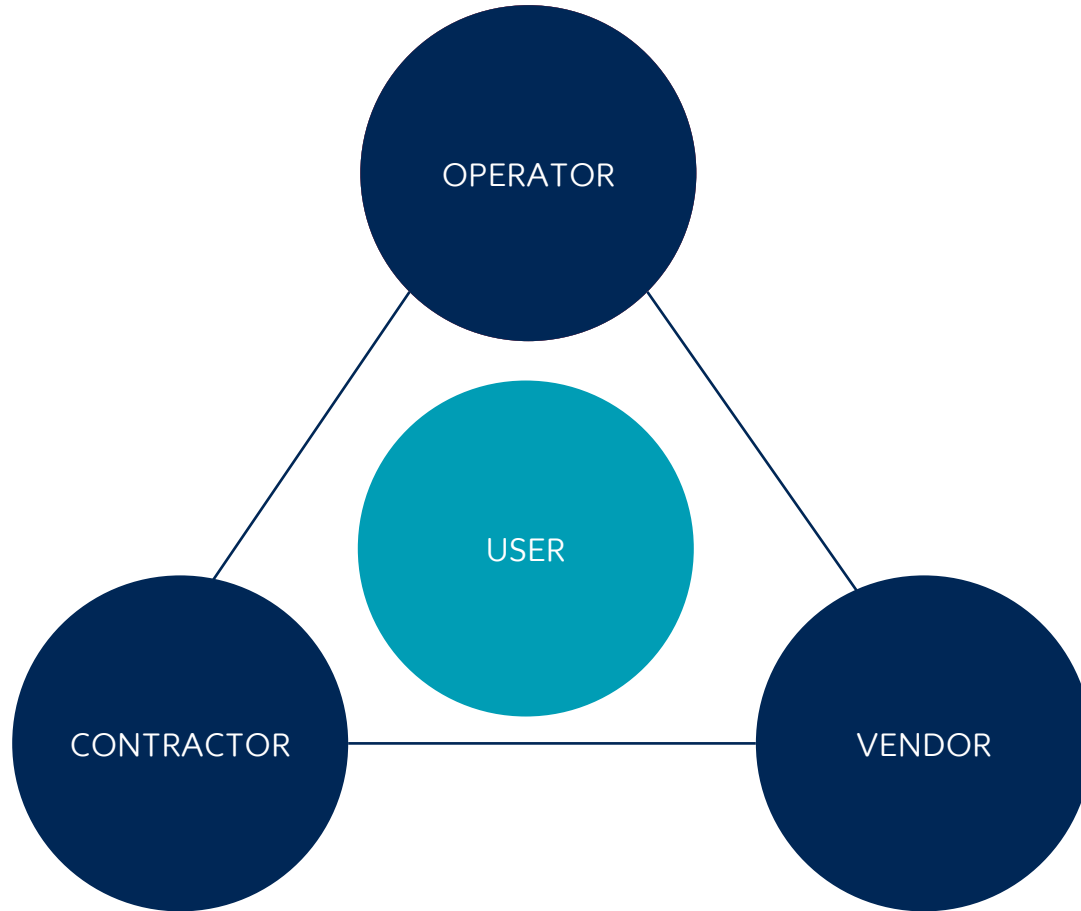
- Innovation cycles
- WD D&W digital strategy
- Digital procedure implantation on TNG
- Experiences.... So far
- What's next



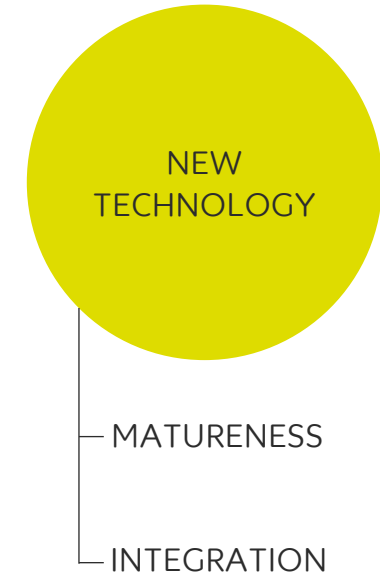
# INNOVATION CYCLE



# CHALLENGES – IMPLEMENTING NEW TECHNOLOGY



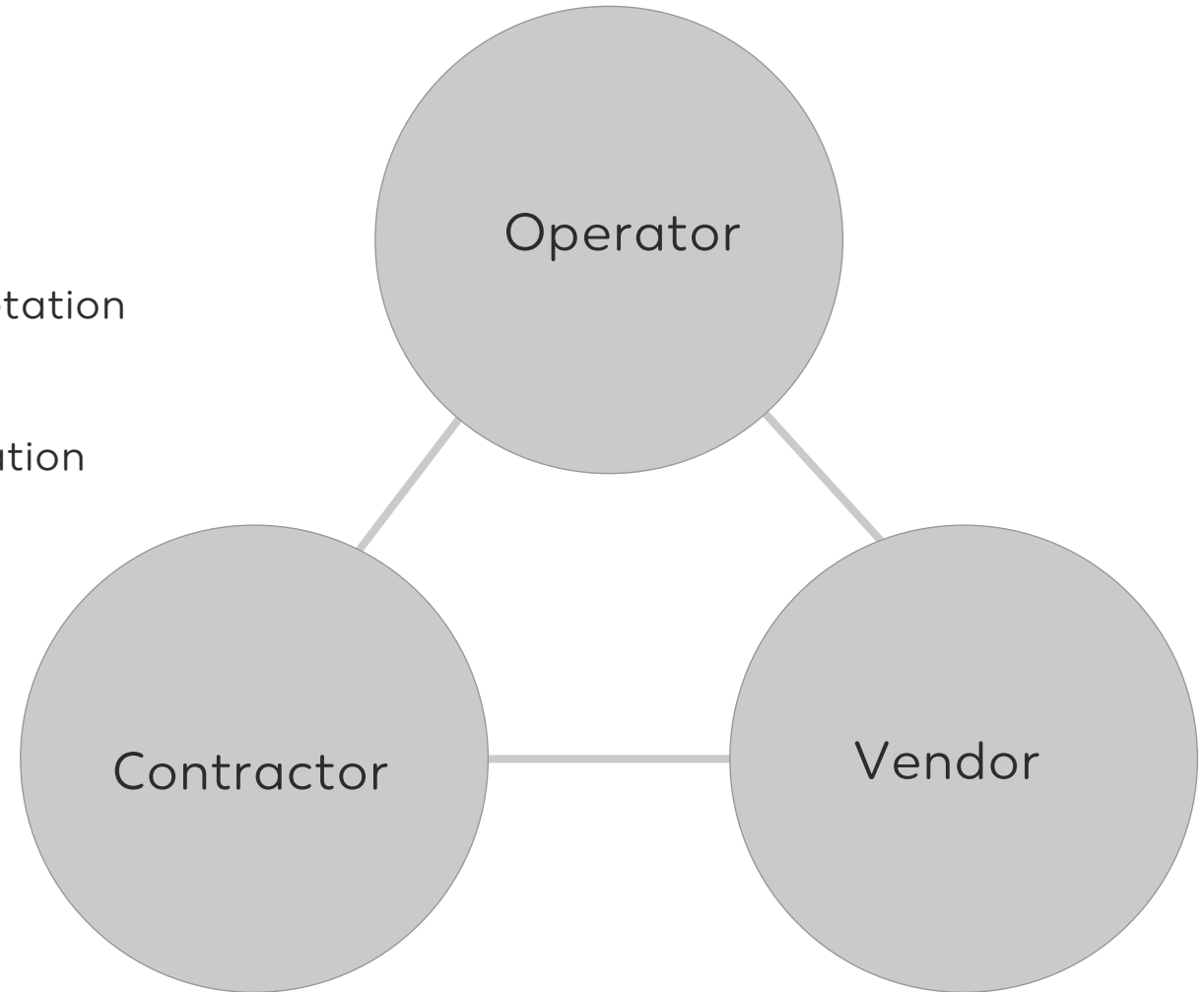
90% HUMANS



10% TECHNOLOGY

# SUCCESS CRITERIAS

1. Long term collaboration with common visions and goals
2. Effective and quick adaption/decissions during implemetation
3. Strong user involvement in developement & implementation
4. Right level technology matureness



# WHERE DO WE WANT TO GO?

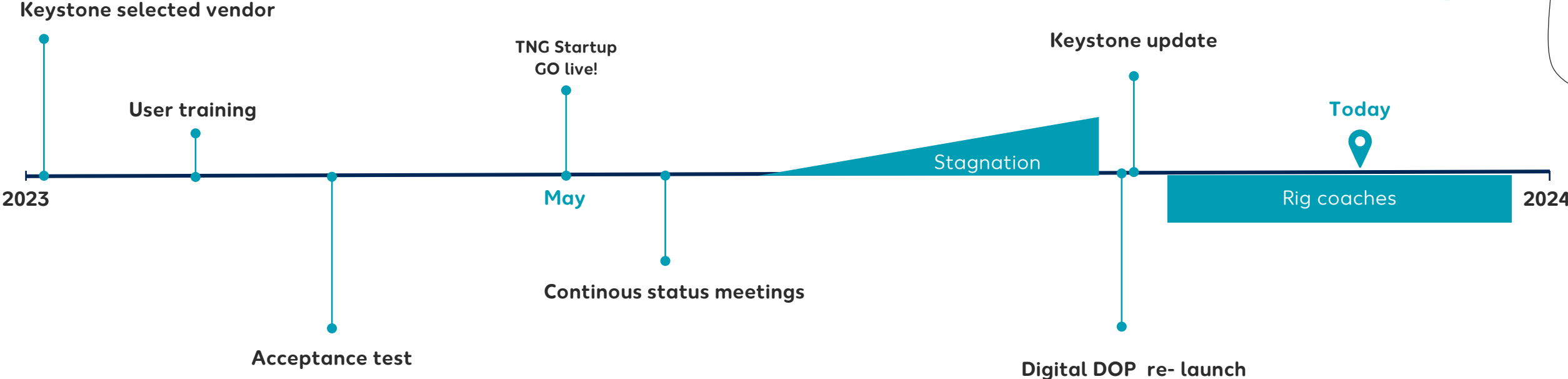


# WHY DIGITAL PROCEDURE IN WD

- Seamless DOP distribution across the operation
- Increased situational awareness offshore/ onshore
- Less paper administration on the rig
- Better Revision & access control
- DOP library and ease of reuse
- Data integration possibilities
- Tag on Contractor strategy



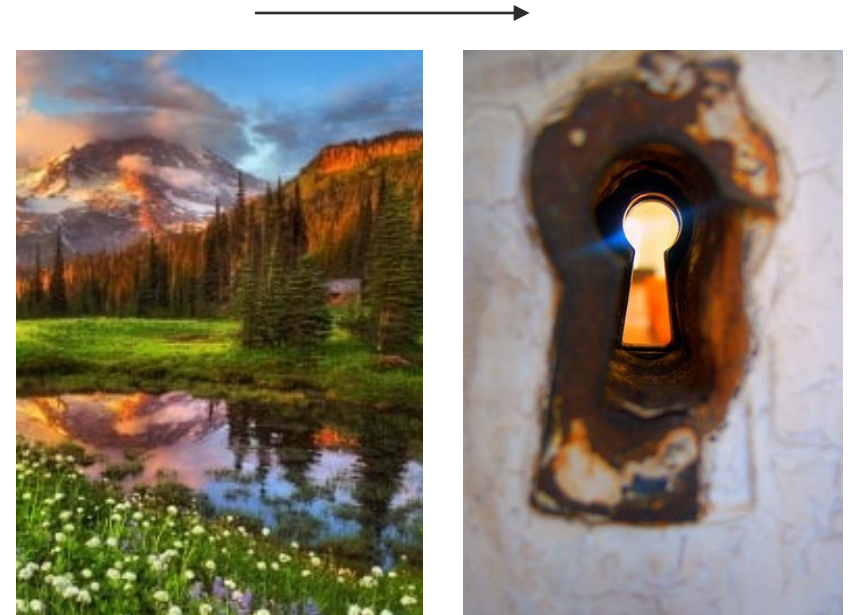
# IMPLEMENTATION PLAN





# IMPLEMENTATION CHALLENGES

- User interface/ friendliness onshore
  - Initial cumbersome workprocess
  - Loss of procedure overview
  - IT vs. engineer thinking – Object vs. List
- Offshore issues
  - Bugs
  - Loss of procedure overview
  - User access – multiple vendors - visibility
  - Signing
- Editor to Executor bugs
- Paper culture



# IMPLEMENTATION MITIGATIONS

- Structured Keystone/ Transocean collaboration status meeting ( 3 parties)
- User feedback loop and follow up
- User involvement/ ownership - superusers
- Improve fast
- Implementation
  - Coaches onshore/offshore
  - Leadership buy in
  - Procedure Transformation support

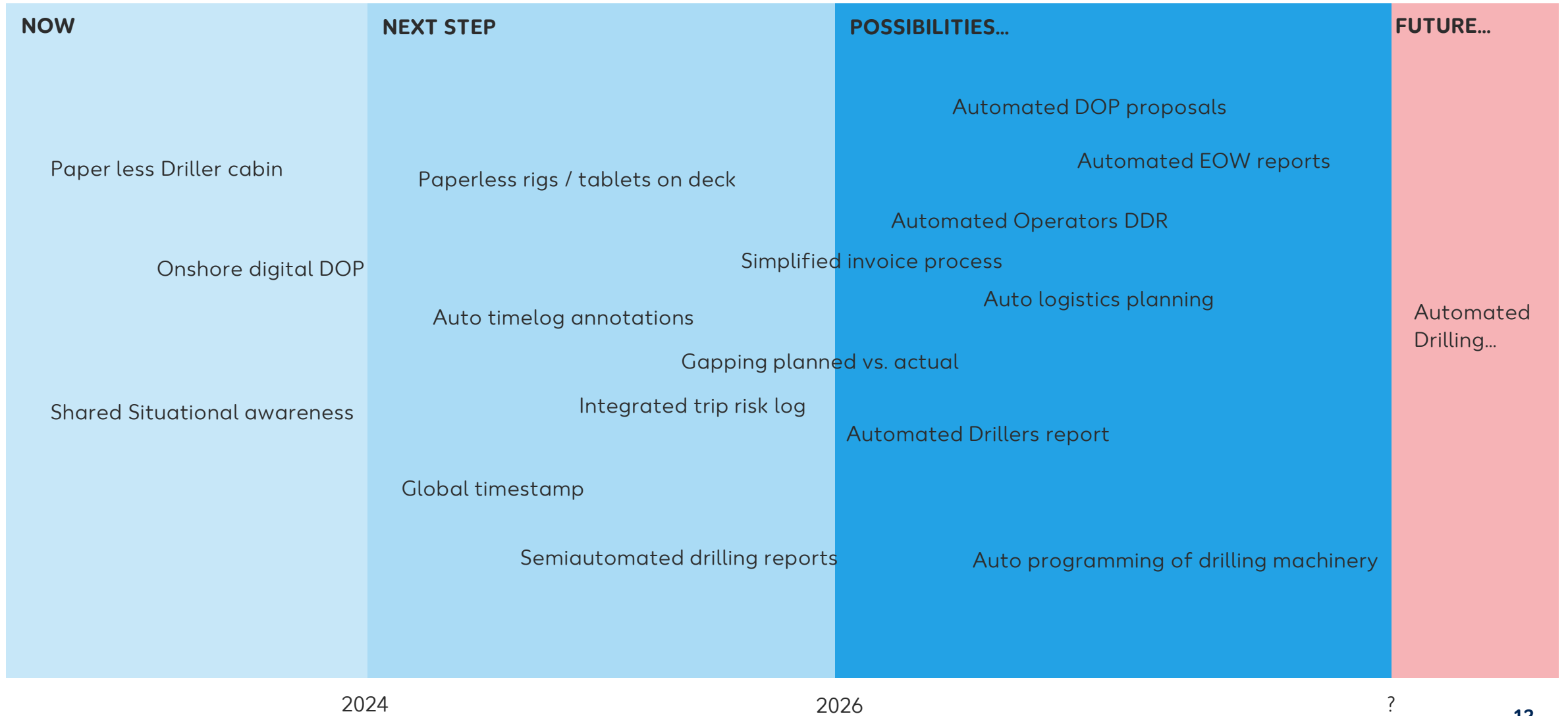
# VALUE CREATION

ANALOG



Manual process –potential achieved

# WAY FORWARD... THIS IS ONLY THE BEGINNING!



THANKS FOR YOUR ATTENTION  
**QUESTIONS?**

