

bouvet

Introducing Wise Next-Generation Well Integrity Management System

Well Integrity Seminar October 1, 2024

Background and challenges today



Barrier Management



Efficiency and quality



Flexibility and Future Proof



- Lacking holistic overview of barrier status for wells
- Scheduling performed in 2 systems
- Reporting performed in 2 systems
- General dissatisfaction with the userfriendliness of the existing well integrity application
- Large differences in work processes from asset to asset
- Long wait time for existing application improvements

- Existing application doesn't have adequate ability to adapt to needs
- Existing application limited with ability for integration with external systems
- Not regarded as «future-proof» and thus not in alignment with digital ambitions
- Existing system has additional functionality with a long list of improvements that are not implemented

Future vision and objectives



Barrier Management



Efficient / Quality



Flexible / Future proof



- Holistic barrier overview
- ✓ Tagging of well components
- ✓ Clear requirements for work process

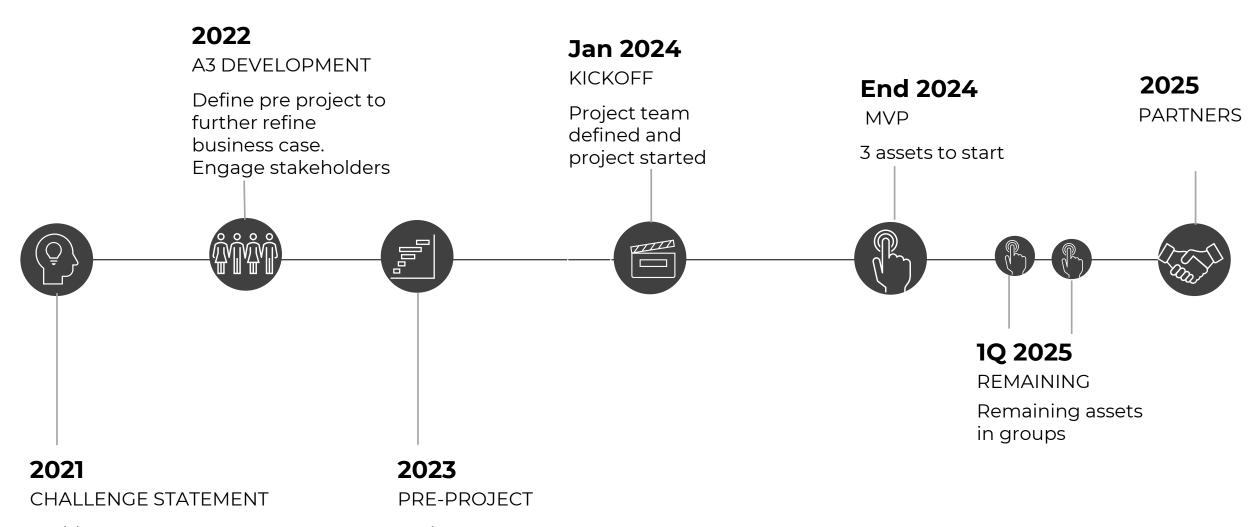
- ✓ 'Like ting likt'
- ✓ One master system for data
 - ✓ No synchronizing of 2 systems
- User friendly interface

- Application aligned with digital strategy and ambitions
- ✓ Flexibility and seamless integration
 - Tool with ability to talk with all types of sources
- ✓ Enabling of «use case» list









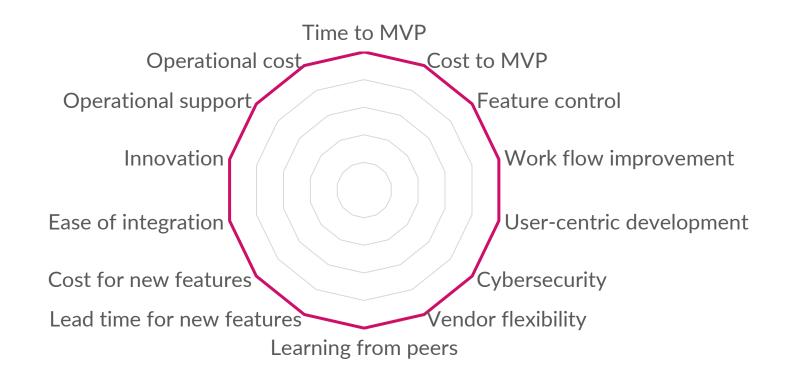
Problem statement defining and future state Project manager assigned and preproject started



Criteria Ranking

Score of 1 to 5

- Time to *MVP
- Cost to MVP
- Feature control
- Work flow improvement
- User-centric development
- Cybersecurity
- Vendor flexibility
- Learning from peers
- Lead time for new features
- Cost for new features
- Ease of integration
- Innovation
- Operational support
- Operational cost



Radar plot

What business model to choose?



Time to MVP Reputation Cost to MVP Operational Cost Feature control Work Flow improvement... Operational Support Innovation User-centric development Ease of integration Cybersecurity Cost to implement new Vendor flexibility Lead time for new features Learning from peers

AkerBP proprietary

From Aker BP to commercialized



Time to MVP





Time to MVP Reputation Cost to MVP Operational Cost Feature control Operational Support Work Flow improvement... Innovation User-centric development Ease of integration Cybersecurity Cost to implement new Lead time for new features Learning from peers

Time to MVP Reputation Cost to MVP Operational Cost Feature control Operational Support Work Flow improvement.. Innovation User-centric development

Cybersecurity

Learning from peers

Commercial product

NGO initiative for NCS

Partnership

Ease of integration

Cost to implement new...

Lead time for new features



Vision

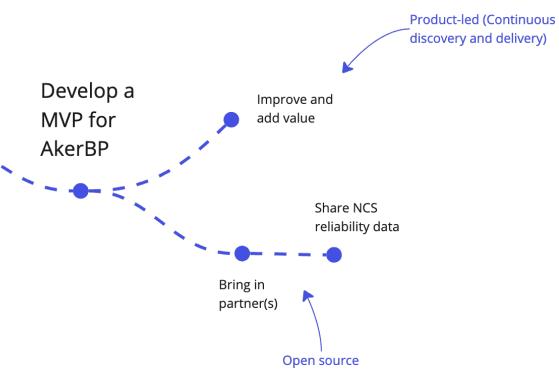
Wise guides well integrity engineers, operational personnel, and management to address the **most critical well integrity issues** and challenges on an asset, based on objective risk prioritisation.

Wise demonstrates **proactive capabilities** by recognising patterns and **freeing up time** for well integrity engineers to focus on high-priority wells. Offshore operators concentrate on efficient execution, supported by optimised test schedules and automated reporting.

Wise is used throughout the well life cycle, from concept to maintenance and P&A, becoming the **preferred tool** for accessing contextual well integrity information.



Strategy





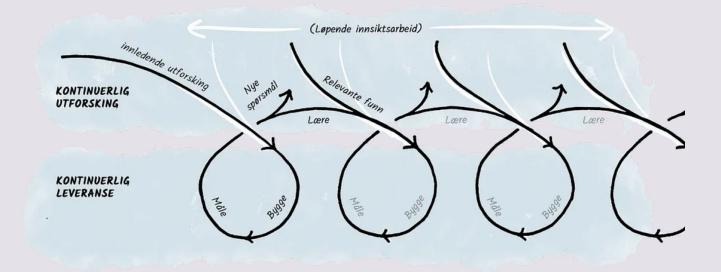
Product principles







How we work

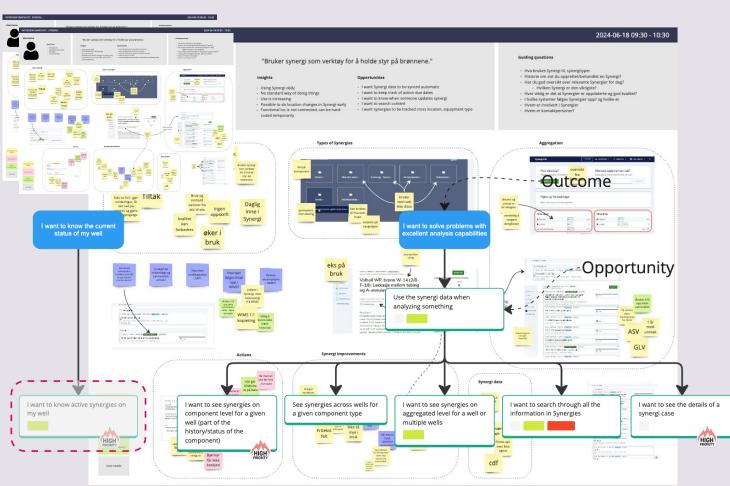


problems to solve versus features to build



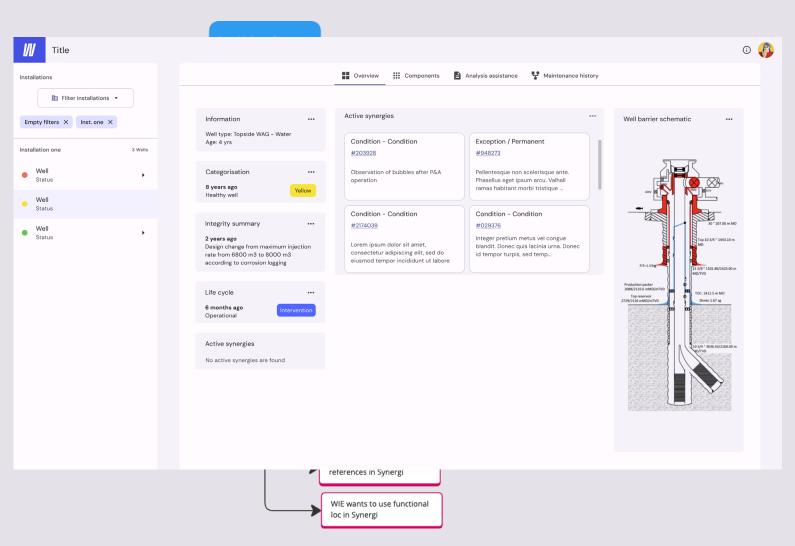


From problem to opportunities ...





... to solutions







Demo

- 1. Navigation
- 2. Wellbore status page
- 3. Component page
- 4. Adding a test result



Seamless Integrations













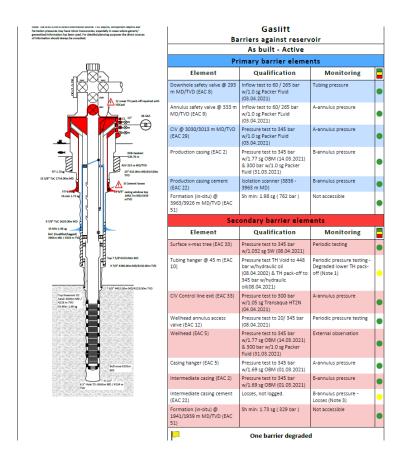




Challenges

Parallel initiative to enable Wise

- ENS's are not 'setup' setup for well components!
 - Engineering numbering system
- Lack of tags in maintenance management system (SAP)
- Defining which well components to tag (and how)
- Defining what are the documents we require
 - Technical document system
- Contracts
 - Getting documentation from Vendor to Projects (NEW WELLS)
- OLD WELLS Getting documentation into technical document system
- Defining/updating steering documentation
- Moving from documentation model to data model





Do you want to be a part of future building of Wise?

