S O L U

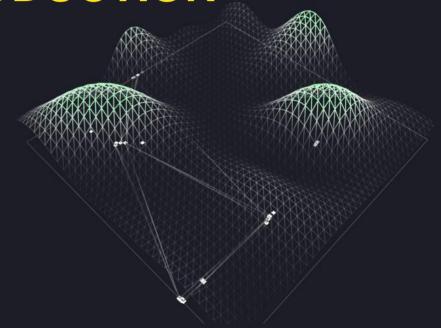
7 I O N

S E E

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AI LEVERAGED PRODUCTION OPTIMIZATION

Bjarne Grimstad, CTO Solution Seeker



Solution Seeker - A spin-off from the NTNU Center for Integrated operations

- Solution Seeker AS is a spin-off NTNU's Center for Integrated Operations (IO Center) and NTNU Engineering Cybernetics
- Close industry interaction with oil companies has been a key part of the IO Center approach to understand the actual problems the industry faces
- The theoretical foundation of Solution Seeker's technology is documented in more than 50 scientific publications, 20 Master's degrees and 5 PhDs since 2007
- Four patents, where two have reached national level with outstanding feedback and reviews, and third and fourth patents are pending
- Several JIP and pilot projects focusing on R&D, testing and verification of methods



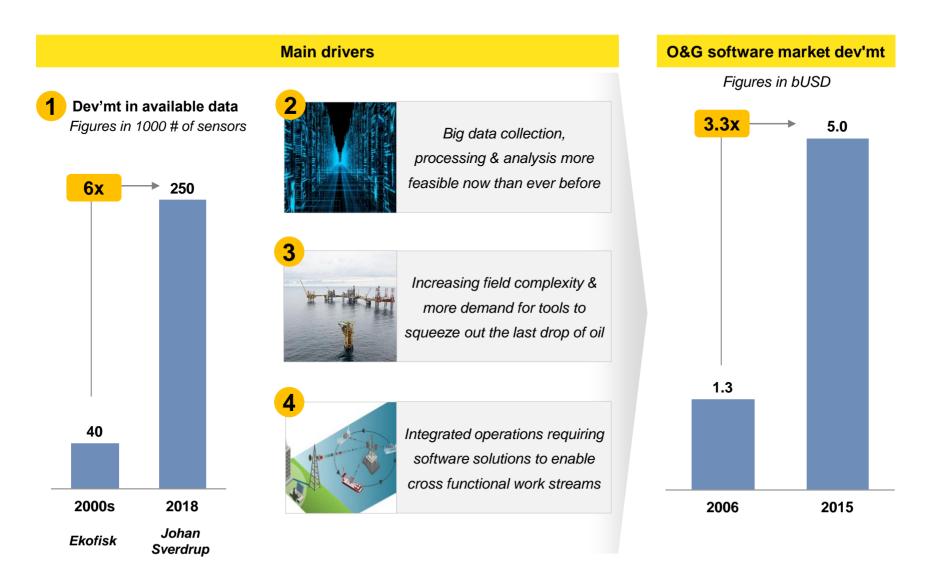
Solution Seeker – 13 employees and 5 advisors



Solution Seeker Competence

Data analysis, machine learning and optimization algorithms applied to petroleum production

Strong underlying historical growth in the O&G software market



Five live installations and increasing field experience – verifying value potential



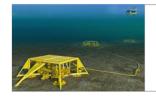
Gas-lift optimization, bottleneck balancing, well testing, uncertainty estimation, and data visualization





Daily production optimization, deduction test optimization, change assessment and data visualization





Daily production optimization, deduction test optimization, change assessment and data visualization





Advanced analytics, change assessment, uncertainty estimation, and data visualization

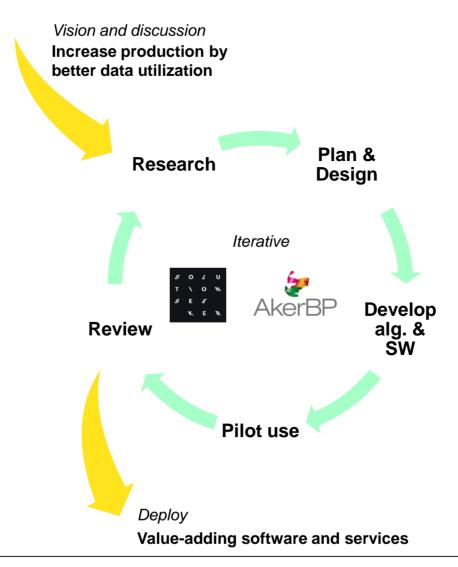




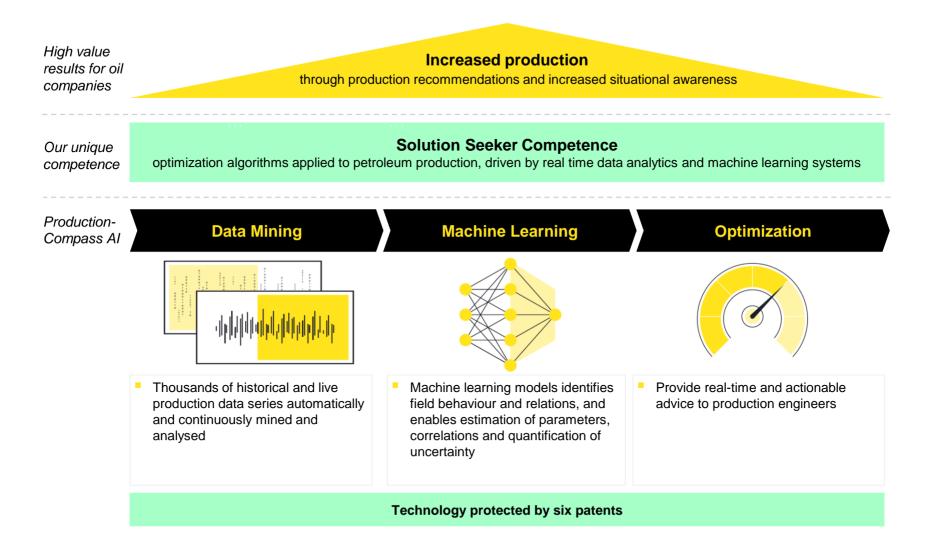
Daily production optimization, advanced analytics, slug handling and optimization



Agile process to increased production



Real Time Data Mining, Machine Learning and Optimization



S O L U T I O N S E E K E R

THANK YOU

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