Data driven Well Integrity and Reliability Management

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ExproSoft Offerings

**WELLMASTER**
FOR INCREASED UPTIME

- Reliability Management
- Integrity Management

Enables E&P operators to improve well planning and operations through well integrity management, reliability analytics, and well life simulation. Supports NORSOK D-010 and ISO 16530 well integrity management standards for onshore and offshore wells.

RAM analysis for facilities design.
Provides transport, maintenance and spare parts optimisation, and production availability analytics.

Used upstream & downstream by operators, system vendors, and consultants.

Well integrity & risk experts, helping operators with well planning, lifecycle cost analysis, barrier risk assessments, blowout analysis, BOP reliability.
ExproSoft Reference Software Clients
WellMaster
Increased Uptime through Well Integrity & Well Reliability Analytics

World leading off-the-shelf
Well Integrity Management System

Analytics and Simulations on top of the
World’s Largest Database of
Well Reliability Data

Provides E&P operator with:
• Risk Management of well portfolio
• Consistent reporting throughout organisation
• Single-source of information for well integrity data
• KPI tracking and benchmarking
• Integration and automation to reduce data collection cost

Provides E&P operator with:
• Well equipment performance analytics in the cloud
• Access to reliability data shared by operators globally
• Prediction of interventions and downtime for assets
• Reliability based approach to maintenance and well activities planning
The Added Value of Successful WellMaster implementation

WellMaster provides business benefits beyond well integrity compliance.

Here are some of the statements we have from clients:

- Increased Production by 18%.
- Reduced number of wells shut in from 179 (2009) to 56 (2015)
- Managed offshore and CSG wells within 1 team, and 1 single solution
- Reduced man-hours required for reporting and data collection

- Increased organisational maturity
- Provides common understanding from operations through corporate
- Elevated importance of well risk

WellMaster Business Value

Increased Production

Saved Cost

Organisational Development
Well Integrity Challenges

Complete situational awareness
• Full common understanding of well integrity status
• Resources spent on solving issues and decision making

Costly situational awareness
• Well integrity data gathered in one place
• Timely input process

Diverse situational awareness
• Well integrity data scattered
• Each individual has control of his area of responsibility

Low situational awareness
• Inconsistent well integrity data
• Poor communication between parties

Well Integrity Maturity Level

77% Gathering & Analyzing Data

DATA DRIVEN DECISIONS
- DATA INTEGRITY
- INFRASTRUCTURE
- DATA ACCESSIBILITY
- VISUALISATION
- DATA ANALYSIS
- ORGANISATION
- PERSONELL
WellMaster
Business Value from Reliability Data through the Well Life Cycle

- Design robust wells
- Predict intervention types & frequency, and OPEX

- Avoid unplanned interventions
- Benchmark your installation success rate

- Evaluate risk as part of planning

Field and Well Planning
- Equipment design and selection

Installation & Intervention
- Optimized testing intervals
- Optimized maintenance strategy

Operation
- Analyze compromised wells
- Continue production? Shut-in? Workover?

P & A
- Benchmark to select the best equipment for your environment
- Qualify new technology
- Avoid unplanned interventions
- Benchmark your installation success rate
Core WIMS Process

Testing & Maintenance

Failure Management

Monitoring

Analyse

React

Report / Import
Why ExproSoft and WellMaster?
Reason #1: Superior Overview of Well Integrity and Risk Status

WellMaster offers complete overview from corporate level, to business units, and down to each completion. With flexible reporting and multiple dashboards, users are always informed of current status, and the wells’ history.
Reason #2:
Solution that Grows with the Operator

WellMaster is adaptable to most operations, and currently implemented for operators with less than 10 wells offshore, up to thousands of wells onshore.
Reason #3:  
Proven Implementation Process, in Cloud or on Premises

WellMaster can be delivered as a fully hosted SaaS, or deployed within operators IT environment.

ExproSoft offers a proven implementation process utilising experienced consultants and effective IT infrastructure.

General well integrity training is part of our offering.
Reason #4:
Integrating and sharing all relevant data for well operations

WellMaster has established interfaces with systems for well equipment data, well schematics, well barrier schematics, maintenance management, pressure and temperature readings, choke and valve settings, production monitoring, and GIS. APIs and integration tools make integration with your infrastructure achievable.
Reason #4:
In Continuous Development

WellMaster is ExproSoft’s ‘bread and butter’, with client-driven development in both scale and complexity.

ExproSoft has the thought leadership in well integrity through our solutions, our methods, and our experts.
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