XaitPorter™: A document co-authoring and automation solution

KRIS SÆTHER • CHIEF COMMERCIAL OFFICER
How to combine openness and control throughout the lifecycle of your E&P documentation?
About Xait

- Xait is the company behind XaitPorter
- Xait is Norwegian company, with the majority of our clients in the O&G sector
- Primary owner of Xait is Viking Venture
- XaitPorter is used as part of Drillplan
Abstract

Openness and control are often regarded as opposites when it comes to documentation and sharing information. The ability to collaborate seamlessly on the same document with external data sources, such as production data, integrated into the document can give massive efficiency gains, while increasing quality. The ability to break down the silos between departments and co-author with outside consultants, while keeping control of the process and access can provide efficiency gains and improved quality of the content - leaving you to make better decisions.

Your digital transformation journey should also take into account the documents consisting of hundreds of pages of complex content that includes text, graphics, data, photographs, and other elements that come from a variety of systems and sources. As part of your digital transformation journey, you needs to ensure that you also can trust the integrity of the data in these documents, that should be the same as in any other application in the enterprise. Co-authoring these documents could involve a large, multi-disciplinary, cross-site team working together for a long period of time to produce a comprehensive document. Openness and control are key to making this possible.

Co-authoring and creating documents both with openness and control should be part of your digital transformation journey. How can this be achieved?
Digital transformation is about increasing value

- Digital transformation of documents are often regarded as making them easy to find and auto categorized.

- The digital transformation of documents often «forget» the most important part of the document – the content.

- The key focus of the digital transformation process should be around the content.

To increase value in digital transformation of documents, the content should be the focus.
Openness is not a buzz word, but a core value

- Openness with control, is often an issue – in particular in documents

- Openness with granular control provides the ability to increase flexibility in generating business critical documents

- As part of the digital transformation journey, users should be able to trust the information in the documents to make better decision
Database-driven documents

- A standardized and structured approach
- Real time authoring
- A ‘building block’ approach to document construction
- The ability to restrict access dynamically
The traditional document creation process:
Serial, time consuming, tedious and high risk

1. Create Content
2. Create Graphics
3. Compile Document
4. Review and Update
5. Approve
6. Publish

Visibility Gap
Time Pressure
Deadline
A database driven document process:
Parallel, time saving, standardized, efficient and quality focused

Write → Review → Approve
Write → Review → Approve
Write → Review → Approve
Automatic Compilation → Publish

Time Saving

Complete visibility
Managed Collaborative Authoring Process - Benefits

- **Increased Quality**  Focus On Content, Layout & Brand Consistency
- **Reduced Cost & Increased Efficiency**  Increased Efficiency, Save time, Deliver on time, Ease of use, Parallel Process
- **Control**  Optimized Work Flow, Project Management, Reports, no visibility gap
- **Integrity**  Content, Metadata, Layout, Information integrity across the enterprise (Integrations)
- **Confidentiality**  Access Control on Object Level, Time Based Access
- **Availability**  Most recent version always, no check-in/check-out, updates instantly available, Live Document
- **Compliance**  Audit trails, Segregation of Duties, Role Based Access
- **Accountability**  Individual accountability for one's actions, team accountability, liability
- **Transparency**  Versioning, Revisions, Comments, Reports, Single-Source Document
A live document should be open for external sources and one should be able to trust all data.
Digital transformation is about increasing value

- Make better decision by focusing on content
- The digital transformation journey of documents should also focus on the creation process, not just on «dead» documents
- To achieve increased value in the document creation process, your chosen document production solutions should embrace openness with control

To increase value in digital transformation of documents, the content should be the focus
How Drillplan use XaitPorter?

Short intro by Kevin Hermansen, Portfolio Manager DrillPlan

“The collaborative reporting capabilities from XaitPorter embedded in the DrillPlan coherent well construction planning solution from Schlumberger provide the ability to customise and automate report documents.”

- Adrian Newton
  Technical Marketing Manager - Drilling Software
8 RISKS

RIG (Risk Matrix)

<table>
<thead>
<tr>
<th>Risk Name</th>
<th>Depth [m]</th>
<th>Description</th>
<th>Prevention</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig contactor surface equipment</td>
<td>300-400</td>
<td>Conduct pressure test of Top drive system main shaft</td>
<td>Tweak is observed in Top drive system main shaft</td>
<td>Replace drive system (low friction seal plate) (dressed) of main shaft. Remove wear sleeve and install replacement wear sleeve with quill shaft</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Risk Name</th>
<th>Depth [m]</th>
<th>Description</th>
<th>Prevention</th>
<th>Mitigation</th>
</tr>
</thead>
</table>

17.5 in Section

<table>
<thead>
<tr>
<th>Risk Name</th>
<th>Formation Depth [m]</th>
<th>Description</th>
<th>Prevention</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tight Hole</td>
<td>SeeBed 000-502</td>
<td>Wash through tight intervals every stand down with 0.46 [ml] (255lb) [psi]. Slack off weight 1043 [lb] without pumps. Wash through tight intervals every stand down</td>
<td>Consider replacing the well to avoid the weak zones. Review risk zones with geologist.</td>
<td>Prepare an LCM pit in advance of drilling such weak zones. Review MW radation with Oeotest.</td>
</tr>
<tr>
<td>Stuck casing</td>
<td>SeeBed 040-585.44</td>
<td>With 450 [ml] (13.5 lb) [psi] LMO SL Boss casing on 140 (5.57 [ml]) drill pipe from 784m to 1,168m</td>
<td>Keep constant down drag of 16-12 [lb] 49-50 [lb] without pumps. Wash through tight intervals every stand down</td>
<td>If magnetic interference is seen. Stop operations immediately and report to Company main and GE</td>
</tr>
<tr>
<td>Well Collision</td>
<td>SeeBed 722-769</td>
<td>A major close approach with wells 121H and 201H + 201H on 72 to 7865 MD. The minimum OSPD is 0.55 [cc] 2.72 [m] and MWD of 18 [m] and blankpipe of 12.5 [m]. Well are confirmed to be abandoned</td>
<td>Constant monitor of torque, vibration and magnetic interference. Project ahead 200m and compute AC on every plan. Use traveling cylinder plot every survey. Make sure the client aware of the impact if separation Oi-CT is not achieved. AC exemption submitted and approved.</td>
<td>Back off 131 [ml] (12.14 [cc]) (2.47m) and 2.44m back to 150 [ml] (15.14 [cc])</td>
</tr>
</tbody>
</table>
7.3 CASING PROGRAM

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>36</td>
<td>0</td>
<td>467</td>
<td>915,28717</td>
<td>X52</td>
<td>MU</td>
<td>36</td>
<td>21.75</td>
<td>38.5</td>
<td>54.15</td>
<td>2331</td>
<td>1420</td>
<td>5302</td>
<td>5302</td>
<td></td>
</tr>
<tr>
<td></td>
<td>17.5</td>
<td>1200</td>
<td>1200</td>
<td>101,195,140</td>
<td>LB</td>
<td>MTC</td>
<td>17.5</td>
<td>12.415</td>
<td>6.935</td>
<td>12.3935</td>
<td>1442</td>
<td>1442</td>
<td>1442</td>
<td>1442</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12.25</td>
<td>3000</td>
<td>3000</td>
<td>73,019,771</td>
<td>F110</td>
<td>MTC</td>
<td>12.25</td>
<td>6.335</td>
<td>5.51</td>
<td>15.625</td>
<td>7152</td>
<td>7152</td>
<td>7152</td>
<td>7152</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8.5</td>
<td>2790</td>
<td>2790</td>
<td>59,393,907</td>
<td>Q125</td>
<td>MTC</td>
<td>8.5</td>
<td>8.5</td>
<td>8.5</td>
<td>8.5</td>
<td>8.5</td>
<td>8.5</td>
<td>8.5</td>
<td>8.5</td>
<td></td>
</tr>
</tbody>
</table>

Manage Chapter-Section Mapping

4/4 Project sections have been mapped to report chapters.

<table>
<thead>
<tr>
<th>Report Chapter(s)</th>
<th>Project Section Diameter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 36 in</td>
<td>36 in</td>
</tr>
<tr>
<td>Section 17.5 in</td>
<td>17.5 in</td>
</tr>
<tr>
<td>Section 12.25 in</td>
<td>12.25 in</td>
</tr>
<tr>
<td>Section 8.5 in</td>
<td>8.5 in</td>
</tr>
</tbody>
</table>

Add Mapping

Cancel  OK
For more information, please contact:

Kris Sæther
Chief Commercial Officer

+47 488 95 880
kris.saether@xait.com

Visit [www.xait.com](http://www.xait.com) to learn more about how XaitPorter can improve business and business opportunities.
WIN

more bids and proposals with XAIT