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**XaitPorter™: A document  
co-authoring and  
automation solution**

**KRIS SÆTHER • CHIEF COMMERCIAL OFFICER**

**X A I T ®**

**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

ConocoPhillips





HALLIBURTON

MARCURA®



subsea 7

Honeywell



softec



Quoniam  
QUANTITATIVE INVESTMENT ENGINEERING



PPD®



Medscape

sapa:



aggreko



PETERSON



# 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 need 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

PART II  
**Productivity**  
Making the Hours in the Day Go Further

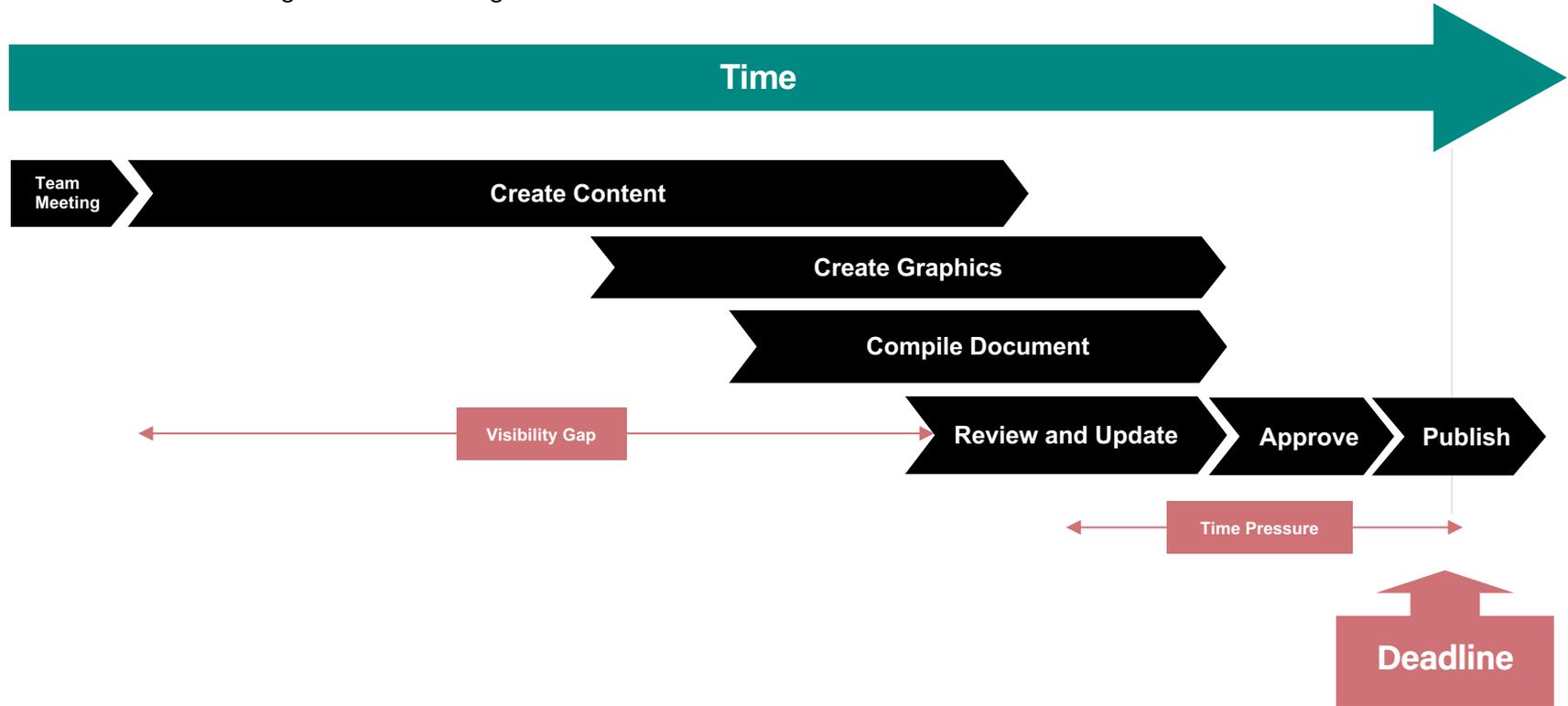
The main thing is to keep the main thing the main thing.  
—STEPHEN COVEY

# Database-driven documents

- A standardized and structured approach
- Real time authoring
- A 'building block' approach to document construction
- The ability to restrict access dynamically

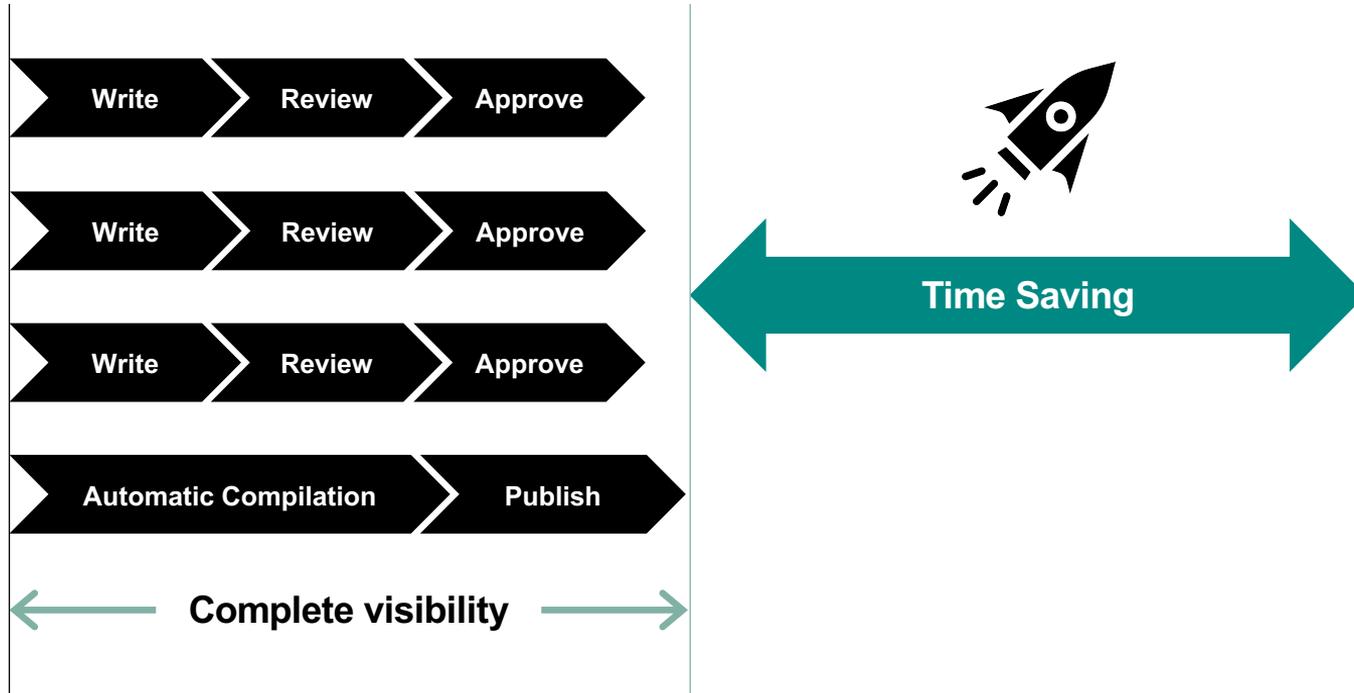
## The traditional document creation process:

Serial, time consuming, tedious and high risk



## A database driven document process:

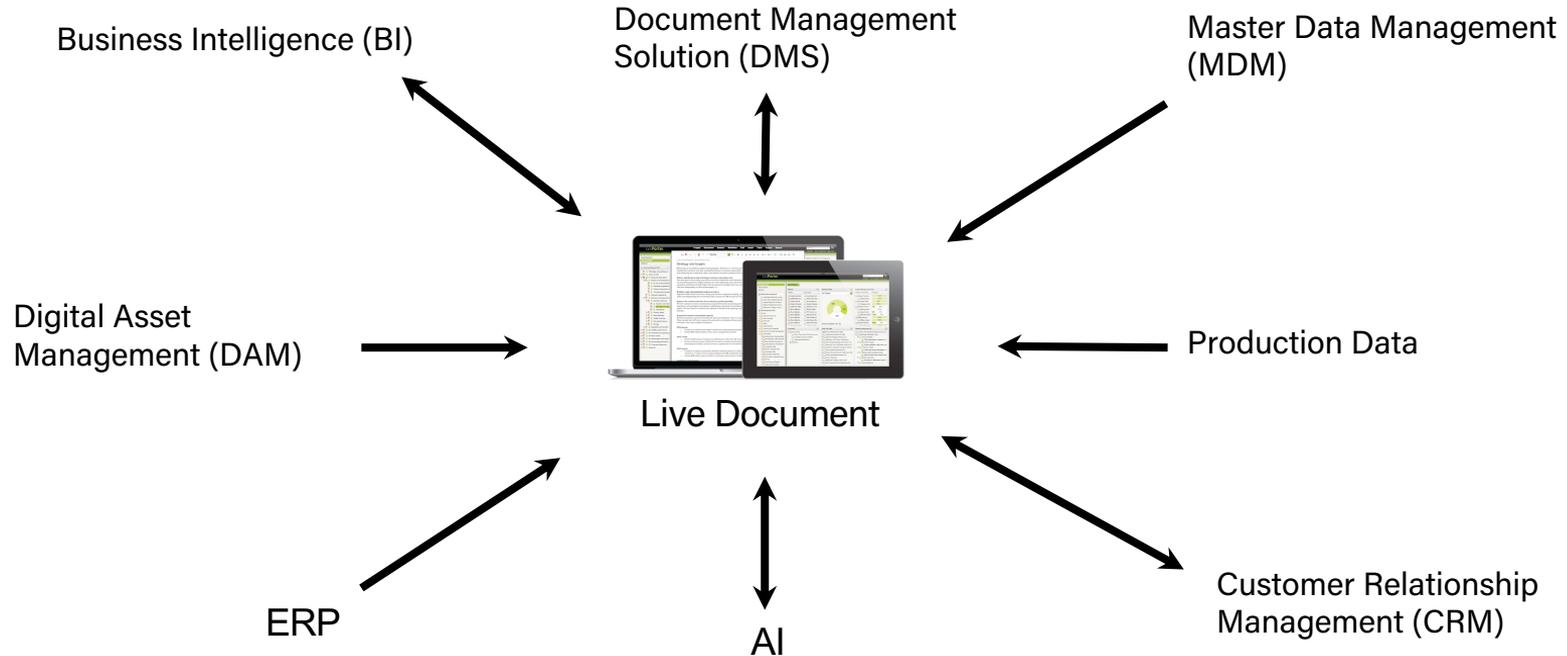
Parallel, time saving, standardized, efficient and quality focused



## 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 document in a Digital Transformation landscape



***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

**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

**Xait**

**Schlumberger**

REPORTS



**Loris 11H - Drilling Report**

100%

Demo Drilling Program **DDP**



Aug 28, 2019 ...

**Loris 11H - Drilling Report**

93%

Demo Drilling Program



Sep 16, 2019 ...

**Loris 11H - Activity**

100%

Loris O&G | Drilling Program



Sep 10, 2019 ...

**Loris Offshore | Drilling Program**

0%

Loris O&G | Drilling Program



Aug 19, 2019 ...

- Update Report
- Generate Report
- Open Assignment Wizard
- Dynamic Display Items
- Configure Report
- View Shortcuts
- Chapter Configuration
- Manage Chapter-Section Mappings
- Save as Template

- 1 INTRODUCTION
- 2 SIGNATORIES
- 3 SUBSURFACE INFORMATI
- 4 BHA PROGRAM
- 5 MUD PROGRAM
- 6 WELL TRAJECTORY
- 7 CASING PROGRAM
- 8 RISKS**
- 9 ACTIVITY PLAN
- 10 Well barrier schematic
- 11 Test

Loris 10-Loris Oil & Gas / Loris 11H - Drilling Report

## 8 RISKS

Fig. (Risk Matrix)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin finibus sagittis leo, eget imperdiet sapien. Phasellus dapibus nisi posuere luctus elementum. Aenean lacinia lorem lacus, in vulputate diam posuere eget. Integer mi urna, placerat non metus non, efficitur lacinia nulla. Curabitur purus nunc, euismod eu lorem sit amet, facilisis venenatis libero. Aliquam tempor quam quis mi placerat euismod. Curabitur quis massa ex. Vestibulum ultrices hendrerit ligula vel blandit. Sed risus quam, ultrices et vehicula id, efficitur sagittis felis. Proin sit amet dui nec mi vulputate tempor ac et libero. Phasellus non porta elit, a ornare orci. Nam maximus pharetra tortor. Morbi ultrices feugiat velit nec pharetra. Donec posuere facilisis velit, et viverra tellus commodo ac. Curabitur auctor in quam ac aliquam.

### RISKS\_TABLES\_START

#### Surface

Risk Name	Description	Prevention	Mitigation
Rig contractor surface equipment	Conduct pressure test of Top drive system swivel packing to 6.89MPa (1,000psi)	If leak is observed in Top drive system main shaft 194mm (7 5/8") Reg connection, stop operations and proceed.	Redressed Top drive system lower swivel seal plate. Dressed slick main shaft. Remove wear sleeve and install replacement wear sleeve and quill shaft.

#### 36 in Section

Risk Name	Depth (m)	Description	Prevention	Mitigation
Surface casing cement integrity	350-430	Flush through cement line with sea water. Circulated 110% casing contents with rig pumps staging pumps up to 1.590L/min (420gpm), 2,413kPa (350psi).	Close lo-torque valve on cement head. Pressure tested line to 27.58MPa (4,000psi) for 5 minutes	Pump 2.38m3 (15bbbl) of sea water. Mix & pump 50.4m3 (317bbbl) of 1.89sg (15.8ppg) class G cement with 0.7% CaCl2 at 0.8m3/min (5 bpm). Pump 300% excess cement. Displace cement with 6.52m3 (41bbbl) of sea water.

#### 17.5 in Section

Risk Name	Formation	Depth (m)	Description	Prevention	Mitigation
Tight Hole	SeaBed	809.6-802	Wash through tight intervals every stand down with 946Lpm (250gpm), 2,068kPa (300psi). Slack off weight 104.3T (230klbs) with pumps prior to landing.	Consider re-planning the well to avoid the weak zones. Review risk zones with geologist.	Prepare an LCM pill in advance of drilling suck weak zones. Review MW reduction with Geologist
Stuck casing	SeaBed	640.08-853.44	RIH with 340mm (13 3/8") 101.4kg/m (68lb/ft) L80 SL Boss casing on 140mm (5 1/2") drill pipe from 784m to 1,168m.	Keep constant down drag of 18.1-22.7 T (40-50klbs), slack off weight 99.8T (220klbs) without pumps. Wash through tight intervals every stand down	
Well Collision	SeaBed	723-768	A major close approach with wells Loris 12H and Loris 2H occurs from 723 to 768m MD. The minimum OSF* is 0.58 (CtCt 7.23m) and MAS of 18.4m. Well are confirmed to be abandoned.	Constant monitor of torque, vibration and magnetic interference. Project ahead 200m and compute AC on every station Use traveling Cylinder plot every survey Make the client aware of the impact if separation Ct-CT is not achieved AC exemption submitted and approved	If magnetic interference is seen, Stop operations immediately and report it to Company man and DE
Stuck pipe	Trealla	1050.1-1050.1	Observed tight spots with increased torque at 2,467m and 2,446m.	Backream out of 311mm (12 1/4") hole from 2,610m to 2,376m. BHA 58m	Run back down, with following parameters Flow Rate: 3,028Lpm (800gpm) Pump Pressure: 15.86MPa (2,300psi) Rotary: 160rpm (High

Status: Approved

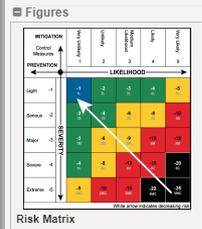
**Workflow**

**Main Writer:**  
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K. Hermansen  
J.J. Huang  
S. Johnston  
S. Li  
A. Newton  
G. Paterson  
I.D.G. Pertuz  
M. Ringer  
M. Spotkaeff

**Approver:**  
B.A. Troncoso

[Edit Tasks](#)



- Tables**
- RISKS\_TABLES\_START
  - Surface
  - 36 in Section
  - 17.5 in Section
  - 12.25 in Section
  - 8.5 in Section
  - RISKS\_TABLES\_END

### TEAM

- Berenice Aldaz Troncoso
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- Adrian Newton
- Ivan Diaz Granados Pertuz
- Steve Li
- Kevin Hermansen
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- Matthew Spotkaeff
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- Tore Fjagesund
- Jean-Paul LeCann
- Diego Medina

- 1 INTRODUCTION
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- 5 MUD PROGRAM
- 6 WELL TRAJECTORY
- 7 CASING PROGRAM
  - 7.1 WELLBORE SCHEMATI
  - 7.2 WELLBORE GEOMETR
  - 7.3 CASING PROGRAM
  - 7.4 CASING PRESSURE T
- 8 RISKS
- 9 ACTIVITY PLAN
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Loris 10-Loris Oil & Gas / Loris 11H - Drilling Report

### 7.3 CASING PROGRAM

CASING\_PROGRAM\_TABLE

Hole (in)	36	17.5	12.25	8.5
Casing Type	Conductor	Casing	Casing	Liner
From (m)	0	0	0	2798
To (m)	467	1200	3000	4282.22437863971
Weight (kg/m)	516.288717	101.195148	79.616771	69.050807
Grade	X52	L80	P110	Q125
Connection	MIJ	MTC	MTC	MTC
Nominal OD (in)	30	13.375	9.625	7
Nominal ID (in)	27.75	12.415	8.535	5.626
Drift (in)	27.5625	12.25875	8.5	5.501
Coupling OD (in)	34.181	14.375	10.625	7.828
Burst Rating (kPa)	2351			148030.439084
Collapse Rating (kPa)	1420			152580.978898
Tension Rating (lbf)	5307			1722000
Compression Rating (lbf)	5307			1643000
Description	30" C			7" Casing 46.4 lbf/ft

Status: Approved

Workflow

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**Approver:**  
B.A. Troncoso [Edit Tasks](#)

Tables

CASING\_PROGRAM\_TABLE

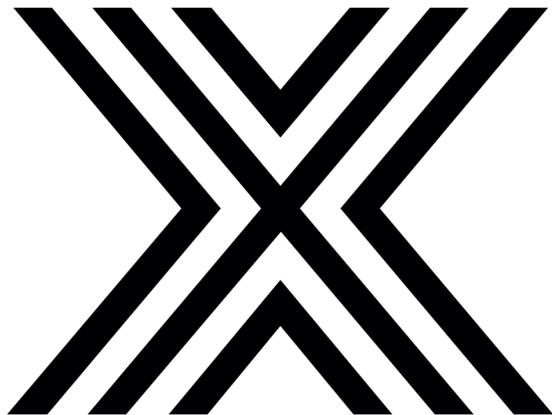
#### Manage Chapter-Section Mapping

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

Report Chapter(s)	Project Section Diameter(s)
Section 36 in	36 in
Section 17.5 in	17.5 in
Section 12.25 in	12.25 in
Section 8.5 in	8.5 in

+ Add Mapping

Cancel
OK



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