QualiWare used to align and manage information of the software landscape in Maersk Oil globally

Myself

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Danish national

Global Enterprise Architect

25 years with Maersk Oil

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Maersk Oil

Part of the A.P.Moller - Maersk A/S
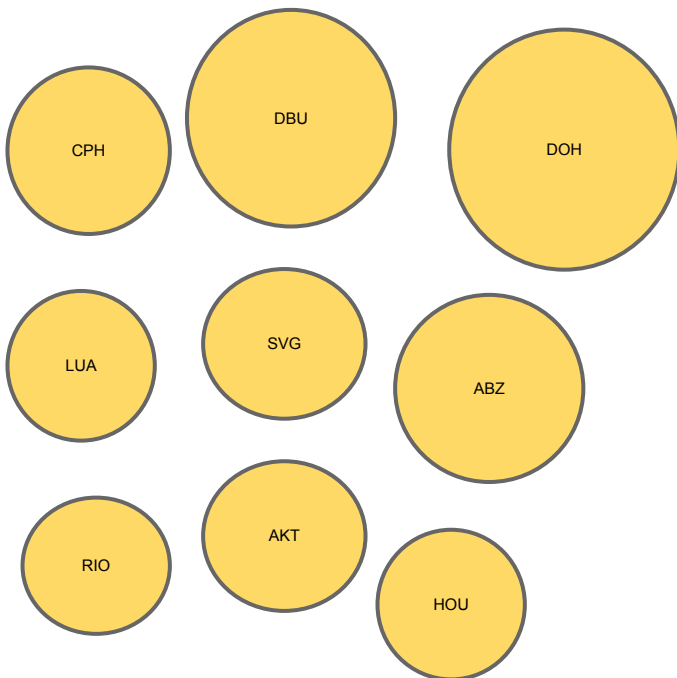
An upstream Oil Company

Independant IT organisation & systems

Mainly presence in Denmark (2 sites), Qatar, UK, Norway, Texas, Brazil, Kazakhstan and Angola
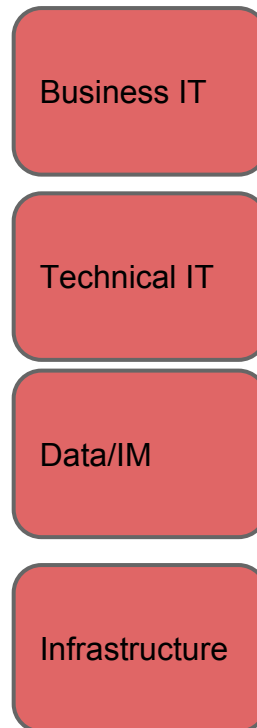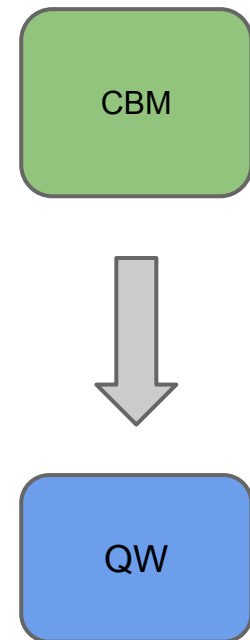
Landscape alignment

Locations
9

Service Areas
4

Industry model
1

CPH

DBU

DOH

LUA

SVG

ABZ

RIO

AKT

HOU

Business IT

Technical IT

Data/IM

Infrastructure

CBM

QW

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Getting started

- Given: The QW tool and the CBM model
- Agree on Service area ownership
- Assign Portfolios and managers (and responsibilities)
- Agree on name and details for each application, etc.
- Agree on mandatory fields
- Allow optional fields etc.
- Establish community for further development
- Give access to all Portfolio managers

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Towards solution

- Implement BCM model in QW
- Develop WEB interface for mandatory fields
- Develop WEB interface for Optional fields
- Create QW standard pre canned reports
- Create QW heatmaps (not current used)
- Import existing Landscape data
  - Develop import function and import data
- Keep data updated and consistant

	Portfolio Strategy (A)	Exploration (B)	Appraisal & Prospect Development (C)	Design, Construction & Installation (D)	Production & Asset Management (E)	Materials & Equipment Management (F)	Finance, Commercial & Support (G)	Human Capital & External Affairs (H)
Direct (Strategy) (1)	Develop Hydrocarbon Asset Portfolio & Reserves Strategy (Buy, Sell, Trade) (A11)	Define Data Acquisition & Management (Seismic, Well) Strategy / Policies (B11)	Define Appraisal Strategy / Policies (C11)	Define Production Facility Requirements / Policies (D11)	Define Production Operations Strategy / Policies (E11)	Define Material & Equipment Strategy / Policies (F11)	Develop Corporate Strategy / Policies (G11)	Develop Human Capital Strategy / Policies (H11)
	Identify Suitable Acquisition & Growth Targets (A12)				Define Production Drilling Strategy / Policies (E12)		Develop Procurement Strategy / Policies (G12)	
							Develop IT Strategy / Policies (G13)	
	Develop Alliance & Partner Strategy / Policies (A13)	Define G&G Strategy / Policies (B12)		Define Subsurface Requirements / Policies (D12)	Define Operational HSSE Strategy / Policies (E13)		Develop Business, Commercial & Financial Strategies / Policies (G14)	
	Develop Risk Strategy / Policies (A14)		Define Prospect Development Strategy / Policies (C12)		Define Inspection & Reliability Policies (E14)	Define Suppliers Strategy / Policies (F12)	Develop Legal Strategy / Policies (G15)	Develop External Affairs Strategy / Policies (H12)
					Define Maintenance & Intervention Programs (E15)		Develop Upstream Technology Strategy (G16)	
	Operating, Divestiture & Decommissioning Strategy / Policies (A15)	Define Exploration Well & Drilling Strategy / Policies (B13)		Define Construction, Fabrication, Installation Requirements / Policies (D13)	Define Production Asset Strategy / Policies (E16)		Develop Governance & Compliance Approach (G17)	
							Manage Strategic Relationships (Indirect) (G18)	
Control (Tactics) (2)	Manage & Prioritize Portfolio of Opportunities, Include Exits (A21)	Manage G&G Program (B21)	Manage Development Plan (C21)	Manage Design Programs (D21)	Manage Subsurface Integrity (E21)	Manage Suppliers (F21)	Manage Business & Commercial Plans (G21)	Manage Human Capital Programs (H21)
					Manage Maintenance & Reliability Programs (E22)		Manage Upstream Technology Program (G22)	
	Manage Strategic Relationships (A22)	Manage Subsurface Data (B22)			Manage HSSE Program (E23)	Manage Material & Equipment Portfolio (F22)	Manage Financial Plan (G23)	Manage External Affairs (H22)
	Prepare, Approve & Manage Bids & Deal Structures (A23)	Manage Well Program (B23)	Manage Hydrocarbon Asset Program (C22)	Manage Construction, Fabrication, Installation Programs (D22)	Manage Production Drilling Program (E24)		Manage IT Policies (G24)	
					Manage Production Operations (E25)	Manage Inventory (F23)	Manage Indirect Procurement (G25)	
	Manage Risk Policy (A24)	Manage Exploration Drilling Program (B24)	Manage Appraisal Drilling Program (C23)	Manage Commission & Handover (D23)	Optimize Production (E26)	Manage Shipping & Logistics (F24)	Internal Audit (G26)	Workforce Planning (H23)
					Report to Corporate Partners & Regulators (E27)			
Execute (Perform) (3)	Evaluate Portfolio Opportunities (A31)	Acquire & Process G&G Data (B31)	Evaluate G&G Data / Rank Opportunities (C31)	Design Well & Subsurface Equipment (D31)	Operate Production Asset (E31)	Order & Receive Material & Equipment (F31)	Perform Accounting & GL (G31)	Administer Human Capital Programs (H31)
			Drill Appraisal Well (C32)	Construct / Install Well & Subsurface Equipment (D32)	Operate Facilities (Marine, Power, Utilities, Accommodation) (E32)		Execute Commercial Plan (G32)	Develop & Maintain External Affairs & HSSE (H32)
	Pursue Hydrocarbon Assets & Reserves Opportunities (A32)	Interpret G&G Data (B32)	Evaluate Well Data (C33)				Execute Upstream Technology Program (G33)	
		Drill Exploration Wells (B33)	Execute Hydrocarbon Asset Program (C34)	Design Surface & Process Facilities (D33)	Perform Maintenance (E33)	Run Logistics Operations (F32)		Recruit Employees (H33)
	Develop & Maintain Partnerships & Supplier Relationships (A33)	Evaluate Exploration Wells (B34)	Estimate / Report Reserves (C35)	Construct / Install Surface & Process Facilities (D34)	Manage Product Storage, Shipping & Export (E34)		Indirect Procurement (G34)	
			Evaluate Economic Viability (C36)				Develop & Operate IT Environment (G35)	Develop Employees (H34)
	Assess & Mitigate Risk (A34)	Develop Prospect Plan (B35)	Create & Maintain Development Plans (C37)	Commission & Handover (D35)	Drill & Complete Production Wells (E35)	Ship Material & Equipment (F33)	Misc. Services (G36)	Develop & Secure Knowledge & Intellectual Property (Innovation) (H35)

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Exploration Applications

Capabilities/Locations

Define Subsurface Requirements
CBM Capability

Applications Mandatory

📄 Create | abl Rename | 📄 Edit | 🗑 Delete | 💾 Export csv

📄 Create | abl Rename | 📄 Edit | 🗑 Delete | 💾 Export csv

	Application name ▲	Description	System type	System owner	System vendor	Deliver capability	Recom...	Location	Business customer	Business criticality	Service area	Applica... service	Local	Belongs To Category
						Define Subsurface Requirements								
📄	EDMS @ DOH				📁 Maersk Oil Qatar	🔲 Define Subsurface Requirements / Policies 🔲 Define Production Operations Strategy / Policies 🔲 Define Production Drilling Strategy / Policies 🔲 Define Inspection & Reliability Policies 🔲 Define Maintenance & Intervention Programs 🔲 Manage Maintenance & Reliability Programs 🔲 Perform Maintenance 🔲 Define Production Facility Requirements / Policies 🔲 Define Subsurface Requirements / Policies 🔲 Define Construction, Fabrication, Installation Requirements / Policies 🔲 Design Surface & Process Facilities 🔲 Define Operational HSSE Strategy / Policies		🔴 DOH Doha, Qatar					Global	🔲 Portfolio: Operations Support
📄	NANO @ ABZ	Document numbering system (replaced ENDS) - AD Group ABZ-G-APP-NANO-USERS	Database	📁 Business IT		🔲 Construct / Install Surface & Process Facilities 🔲 Commission & Handover 🔲 Design Surface & Process Facilities 🔲 Construct / Install Well & Subsurface Equipment 🔲 Design Well & Subsurface Equipment 🔲 Manage Commission & Handover 🔲 Manage Design Programs 🔲 Manage Construction, Fabrication, Installation Programs 🔲 Define Construction, Fabrication, Installation Requirements / Policies 🔲 Define Subsurface Requirements / Policies 🔲 Define Production Facility Requirements / Policies		🔴 ABZ Aberdeen, UK	👥 Unsure	Medium	📁 Business IT	Silver	Local	🔲 Portfolio: Engineering
📄	Nexus (AIM) @ ABZ	Asset Integrity Management. AD group ABZ-G-APP-CoreApps_Nexus	Standard	📁 Business IT	📁 Wood Group	🔲 Define Subsurface Requirements / Policies 🔲 Perform Maintenance 🔲 Manage Maintenance & Reliability Programs 🔲 Manage HSSE Program		🔴 ABZ Aberdeen, UK	👥 Unsure	Low	📁 Business IT	Silver	Local	🔲 Portfolio: Operations Support
📄	ProArc @ ABZ	ProArc - technical document control and delivery management software package	Application Server	📁 Business IT	📁 Software Innovation	🔲 Construct / Install Surface & Process Facilities 🔲 Commission & Handover 🔲 Design Surface & Process Facilities 🔲 Construct / Install Well & Subsurface Equipment 🔲 Design Well & Subsurface Equipment 🔲 Manage Commission & Handover 🔲 Manage Design Programs 🔲 Manage Construction, Fabrication, Installation Programs	Yes	🔴 ABZ Aberdeen, UK	👥 Unsure	High	📁 Business IT	Silver	Local	🔲 Portfolio: Engineering

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Business IT (Service area)

				ABZ	CPH	EBJ	DOH	HOU
		Portfolio Strategy	A	14	14	1	1	6
		Finnce, commercial & Support	G	9	33	21	4	3

Application name	Capability name	Location	Capability Area
Acreage Analyst	Manage & Prioritize Portfolio of Opportunities, Include Exits (A21)	ABZ	A
Atlas	Develop Hydrocarbon Asset Portfolio & Reserves Strategy (Buy, Sell, Trade) (A11)	ABZ	A
Cash & Plan	Evaluate Portfolio Opportunities (A31)	ABZ	A
Genesis	Evaluate Portfolio Opportunities (A31)	ABZ	A
GeoX	Develop Risk Strategy / Policies (A14)	ABZ	A
HIIP	Assess & Mitigate Risk (A34)	ABZ	A
Oracle 11i eBusiness Suite	Prepare, Approve & Manage Bids & Deal Structures (A23)	ABZ	A
Pathfinder	Develop Hydrocarbon Asset Portfolio & Reserves Strategy (Buy, Sell, Trade) (A11)	ABZ	A
Pathfinder	Identify Suitable Acquisition & Growth Targets (A12)	ABZ	A
Primavera Risk Analysis	Assess & Mitigate Risk (A34)	ABZ	A
QUE$TOR	Develop Risk Strategy / Policies (A14)	ABZ	A
SAAM	Assess & Mitigate Risk (A34)	ABZ	A
Synergi	Assess & Mitigate Risk (A34)	ABZ	A
Trinity	Evaluate Portfolio Opportunities (A31)	ABZ	A
ADP	Perform Accounting & GL (G31)	ABZ	G
Allegro	Manage Business & Commercial Plans (G21)	ABZ	G
BMS	Develop Corporate Strategy / Policies (G11)	ABZ	G
Cash & Plan	Manage Business & Commercial Plans (G21)	ABZ	G
Finance Datawarehouse	Manage Business & Commercial Plans (G21)	ABZ	G
First Windows	Perform Accounting & GL (G31)	ABZ	G
Livelink	Manage Business & Commercial Plans (G21)	ABZ	G
Oracle 11i eBusiness Suite	Develop Corporate Strategy / Policies (G11)	ABZ	G
Readsoft	Perform Accounting & GL (G31)	ABZ	G
Coda and Excel	Manage Risk Policy (A24)	CPH	A
Enerdeq	Develop Hydrocarbon Asset Portfolio & Reserves Strategy (Buy, Sell, Trade) (A11)	CPH	A
Geo2flow	Manage Risk Policy (A24)	CPH	A
GeoX	Develop Risk Strategy / Policies (A14)	CPH	A
Menas	Develop Hydrocarbon Asset Portfolio & Reserves Strategy (Buy, Sell, Trade) (A11)	CPH	A
Pathfinder	Develop Hydrocarbon Asset Portfolio & Reserves Strategy (Buy, Sell, Trade) (A11)	CPH	A
PetroVR	Manage Risk Policy (A24)	CPH	A

Next Steps

- Introduce Application Portfolio Management
  - Based on Global view
  - Capabilities
- Quantify capabilities
- Decommission of obsolete repositories
- Develop Reporting further
- Publish QW generated heatmaps
- Expand QW standard pre canned reports
- Include architectural designs and documentation into QW.

Questions?

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