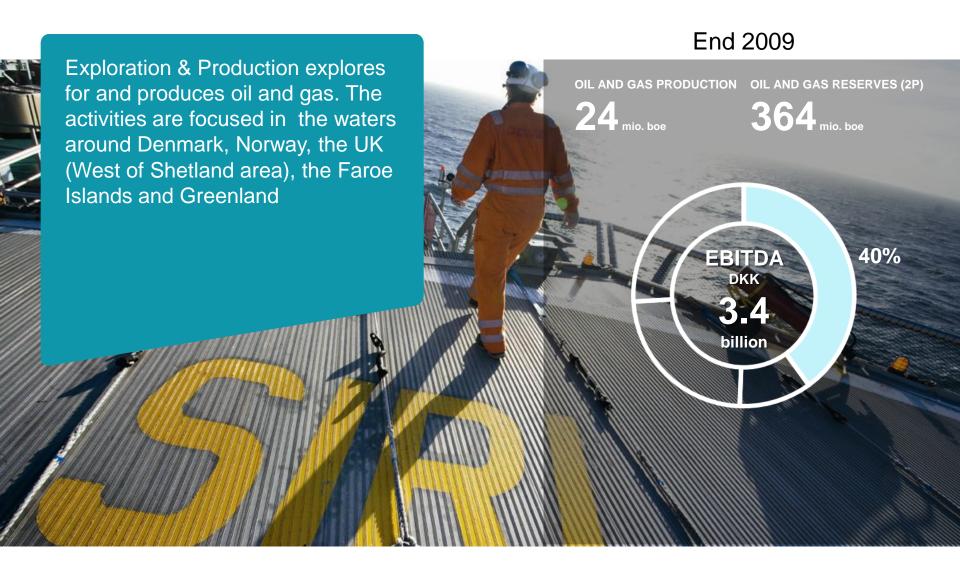


- Introduction DONG Energy
- Classification Systems/Procedures
- Example
- Close out

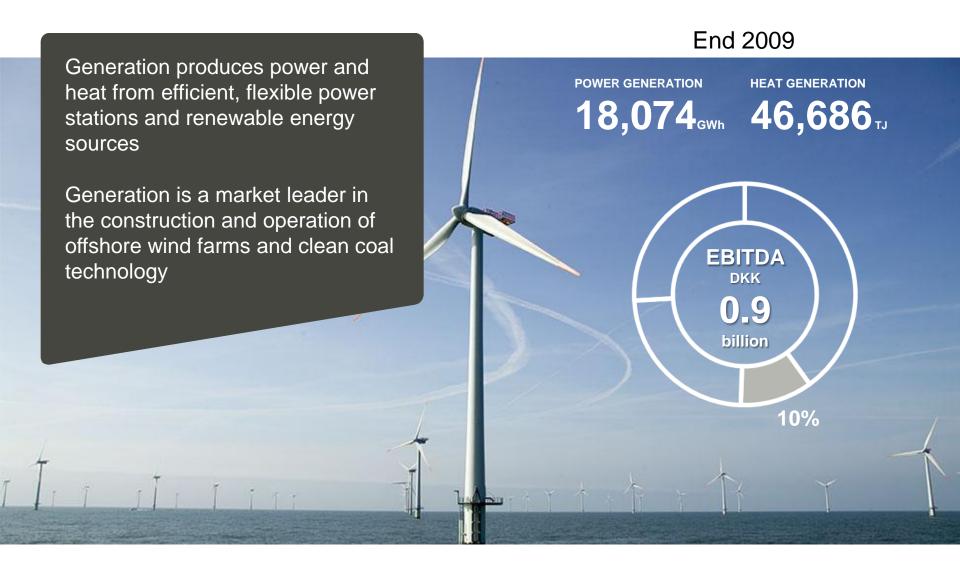


Exploration & Production



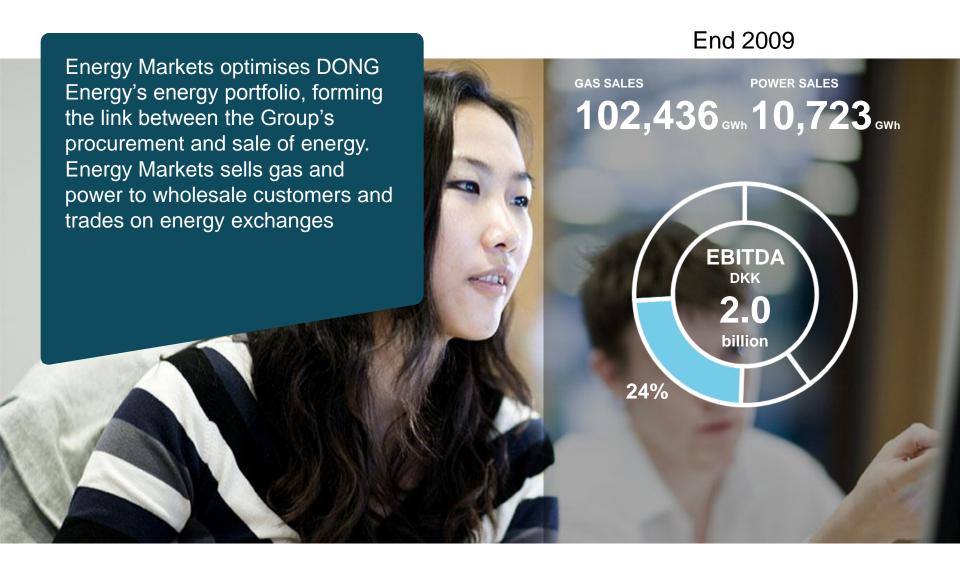


Generation



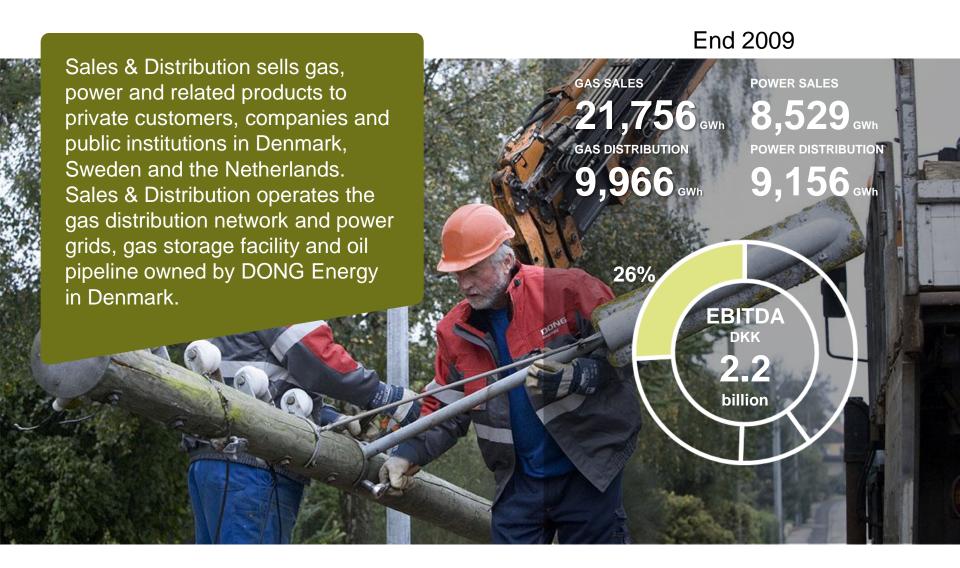


Energy Markets



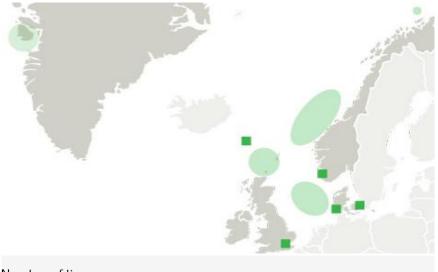


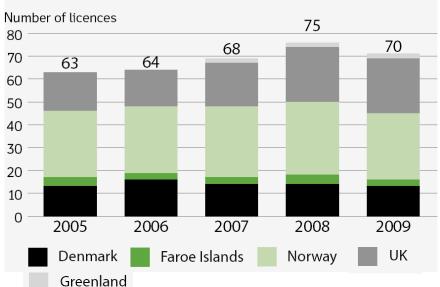
Sales & Distribution





Exploration & Production – Facts

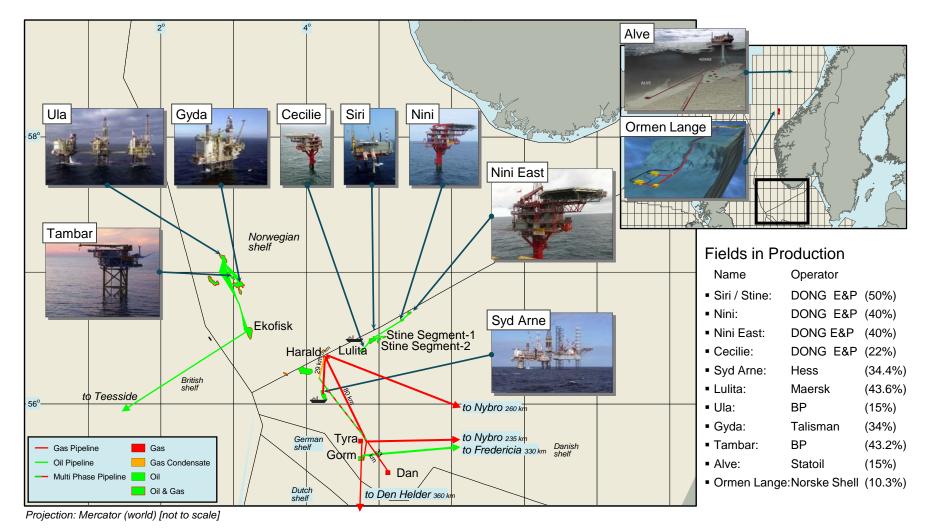




- The activities of this business area focus on oil and gas exploration and extraction in Denmark, Norway, the UK (West of Shetland area), the Faroe Islands and Greenland
- This business area includes a stake in Gassled, which comprises the entire gas pipeline network from the Norwegian fields to continental Europe and the UK
- At the end of 2008, DONG Energy was participating in 62 exploration and appraisal licences and 13 production licences
- The growth strategy for this business area is based on continuous oil and gas exploration. DONG Energy therefore participates actively in licensing rounds within this area of activity



DONG Energy fields in production – Denmark and Norway

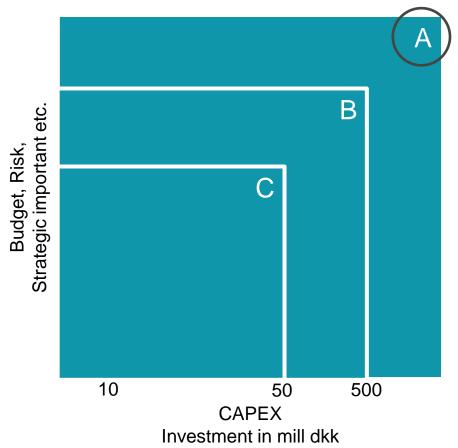




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DONG Energy Project Model Project Categorisation

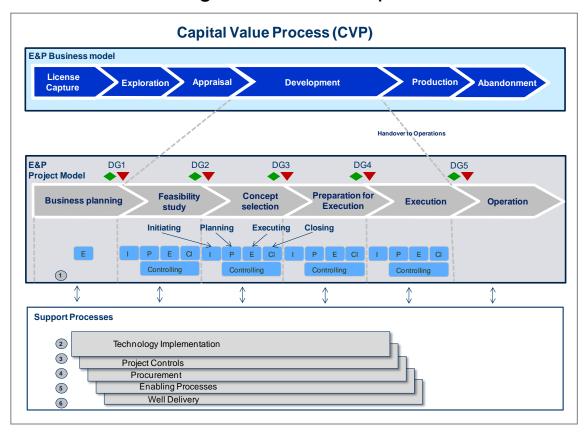


- Most E&P projects are Category A project according to the DONG E&P Project Model i.e. Capex > 500 mill DKK
- It is mandatory that 'A' projects pass through all decision gates
- For each phase/gate a list of mandatory deliverables are defined by the Project Model



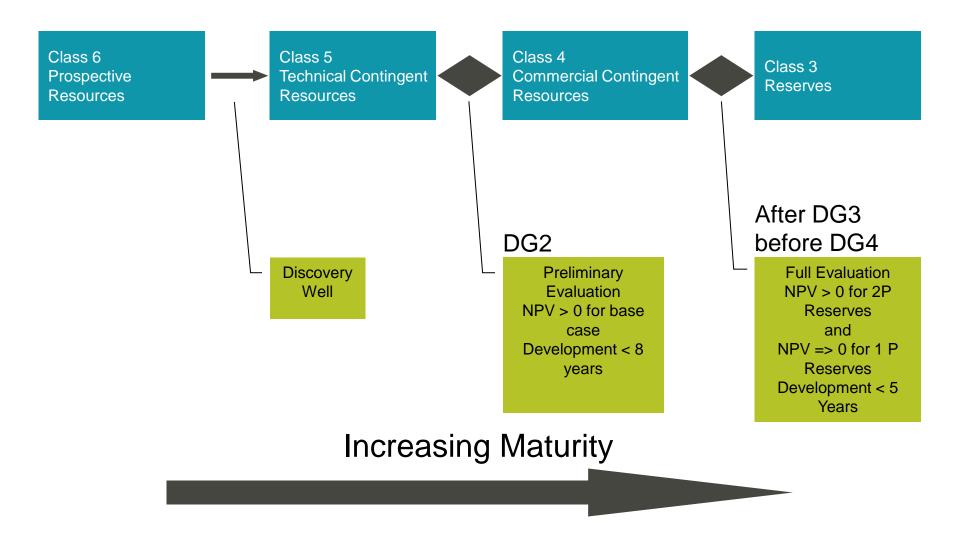
DONG Energy Project Model DONG E&P Capital Value Process (CVP)

- The CVP is DONG E&P's decision-making process for investment projects
- Project Work Processes are aligned with the requirements of the CVP process





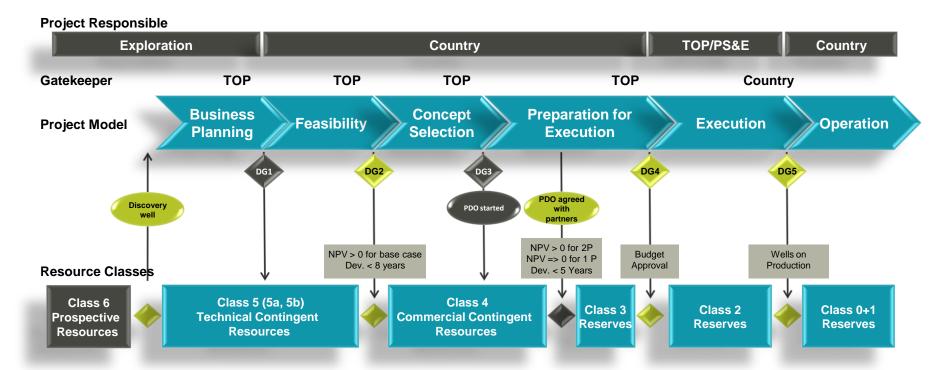
DONG Decision Gates for Approving Resources/Reserves





The E&P Field Development Model

Explore Appraisal Appraisal Development Develop Produce





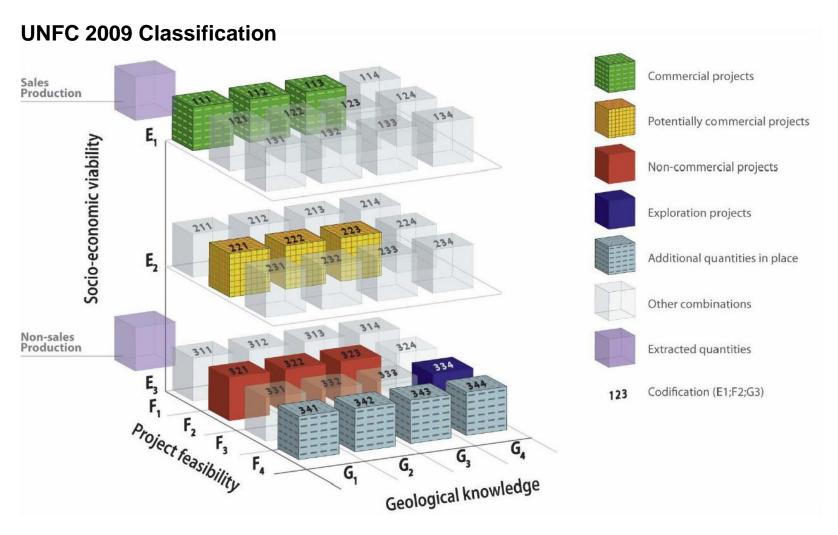
DONG Energy Procedure of Resources and Reserves Classification We apply SPE PRMS

									Gate (Class
	DISCOVERED PETROLEUM-INITIALLY-IN- PLACE	COMMERCIAL	PRODUCTION			PROJECT STATU	PROJECT STATUS			
TOTAL PETROLEUM-INITIALLY-IN-PLACE			RESERVES			On Production	C1	RISK	DG5	1
	INITIA		PROVED	PROVED plus PROBABLE	PROVED plus PROBABLE plus POSSIBLE	Approved for Development	C2	LOWER	DG4	2
	ACE					Justified for Development	С3		1	3
	PETRO PL/	SUB-COMMERCIAL	CONTINGENT RESOURCES					PROJECT MATURITY		
	/ERED		LOW ESTIMATE	BEST ESTIMATE	HIGH ESTIMATE	Development Pending	S1	CT MA		4
)ISCO\					Development on Hold	S2	PROJE	DG1	5
			UNRECOVERABLE							
	RED M-	ż	PROSPECTIVE RESOURCES					RISK	P3,A ↑	6+
	UNDISCOVERED PETROLEUM- INITIALLY-IN- PLACE		LOW ESTIMATE	BEST ESTIMATE	HIGH ESTIMATE	Prospect	E1	HIGHER	P1	
						Lead	E2	Н	1	
			UNRECOVERABLE						L	
			← R.	ANGE OF UNCERTAIN						



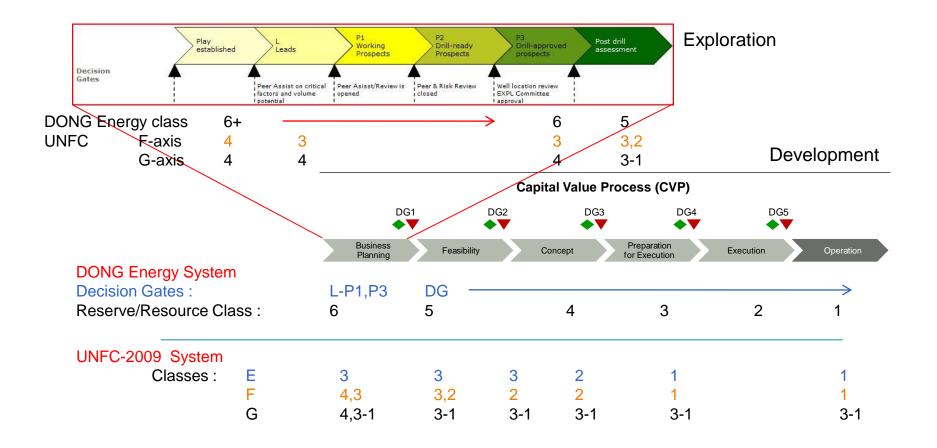
DONG energy

UNFC-2009





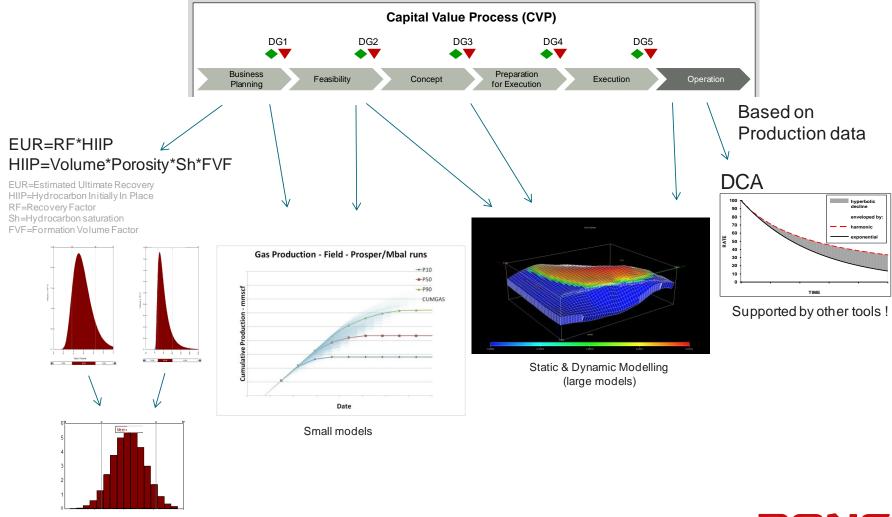
Mapping of UNFC-2009 upon the DONG Classification System



Possible further definition of G-axis would benefit Exploration (low, high cases not easily mapped clearly)



Examples of Final Calculations

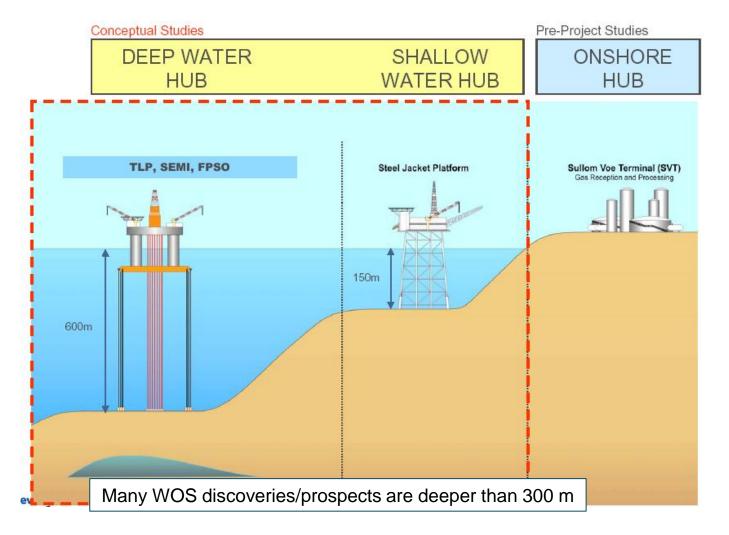




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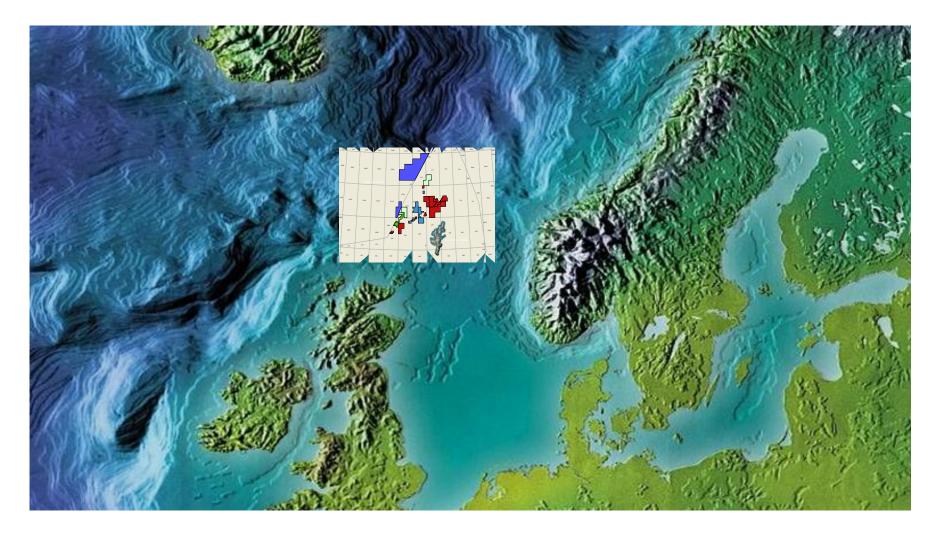


General – Concept Technical Screening





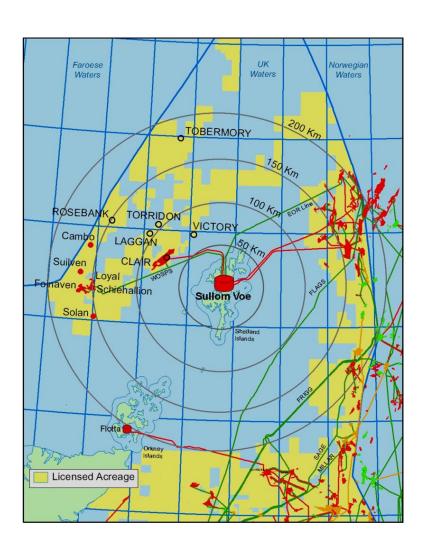
DONG E&P acreage in the UK and Faroese shelf (WoS)





West of Shetlands (WOS)

- Key Characteristics
- Hostile environment
 - Deep water, wind, waves, current, cold water temperatures
- Distant from gas market
 - High development cost
- No direct gas pipeline access to NTS
- Diverse partnerships
- 2 Tcf discovered gas
- Up to 2 Tcf upside on discovered resources
- Up to 4 Tcf of undiscovered potential





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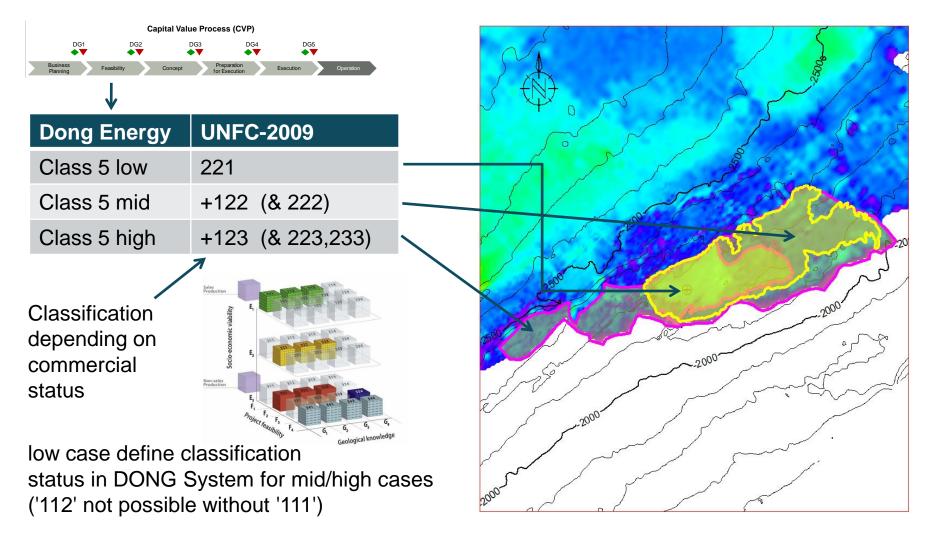








Example - Field





Example – Field – Exploration

Dong Energy	UNFC-2009
Class 6 low	334
Class 6 mid	334
Class 6 high	334 (or 234)
Classification very similar for DONG Exploration projects	Sales Production En

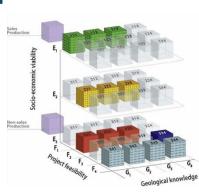
Geological definition less well defined, making ranges (high & low) difficult to show clearly
This is currently being looked at via the UNFC Task Force specification work

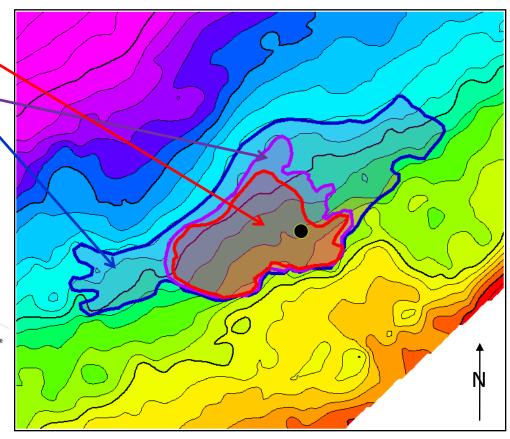


Example – Field – Discovery

UNFC-2009
331
+332
+333 (or +233)
1

Classification options suiting well for DONG development projects







Close out

- DONG Energy Volume booking process is closely linked the Company Project Model
- The company system can be mapped onto the UNFC 2009 system with no major modifications
- No major differences in booking numbers within major categories between the system for the examples used
- Some differences between the DONG System and UNFC-2009 with respect to Exploration
- The 3 dimensional (UNFC) system is generally considered more difficult within the company.
- UNFC 2009 is well suited for better comparing volumes between different systems (companies or national) - although not shown in this presentation





