

GaS Maps

The story of a web GIS deployment for GDF SUEZ E&P UK Limited Subsurface

Grahame Blakey





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ENGIE is active across the entire energy value chain, in power and natural gas, upstream to downstream:

Exploration & production, purchasing and marketing of natural gas, LNG and power

Transport, distribution, management and development of major in power and natural-gas infrastructure (transport and distribution networks, storage sites, LNG terminals)

Development and marketing of energy and, in cooperation with SUEZ Environnement, of environmental services.

Strategy

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New areas, new regions, new geographies, new geologies > GIS

Create and manage new options Develop and build infrastructure strategies

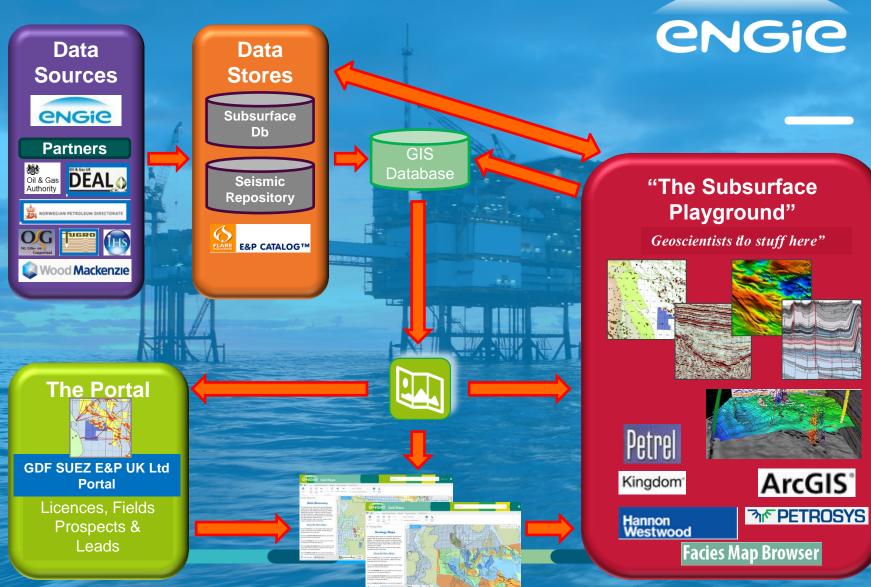
Infrastructure proximity, logistics, routing etc.

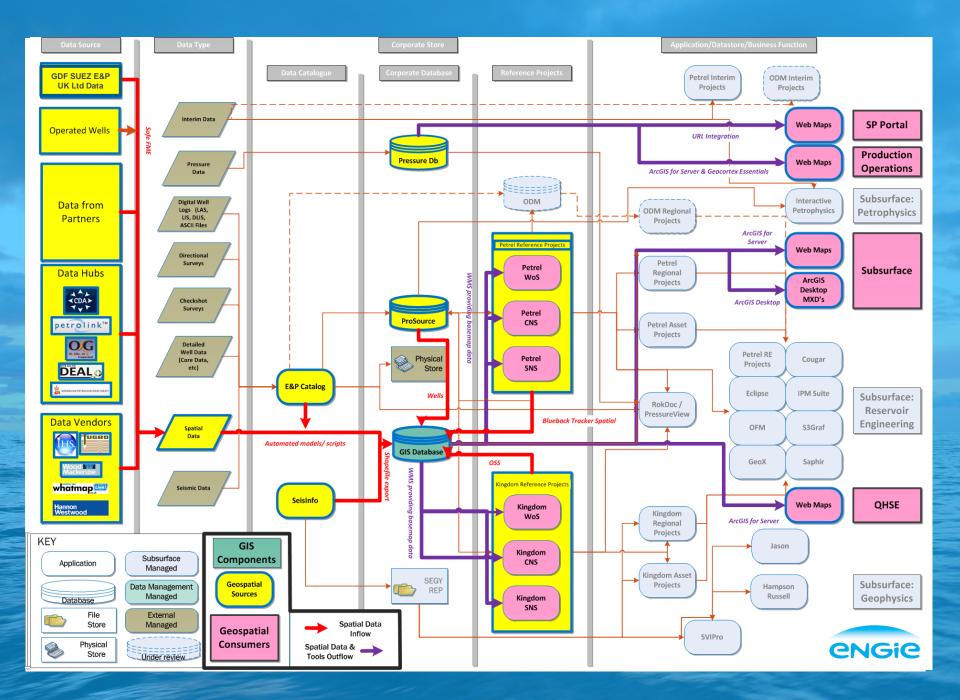
Right information, right people, right time > geospatial Leverage existing positions, skills, and Group synergies

Shape existing areas

GIS to embed geo-contextual information in Asset Dashboards

Workflows

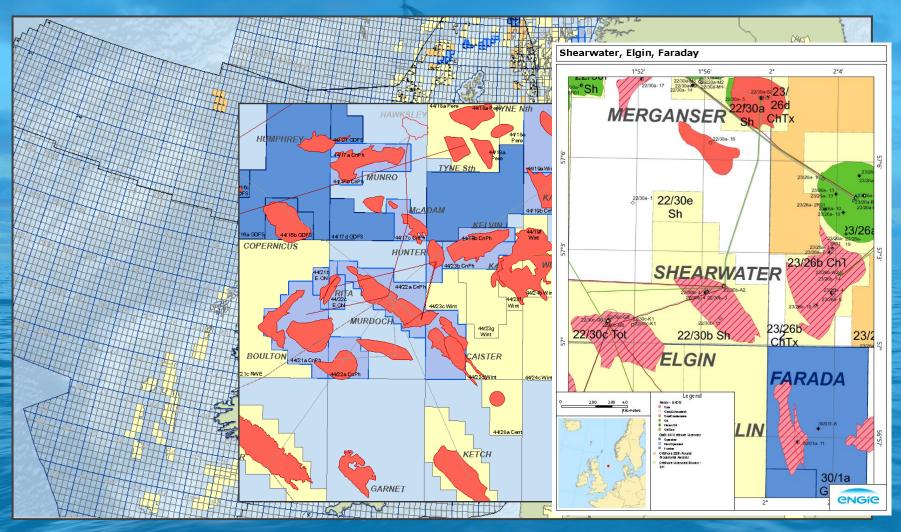


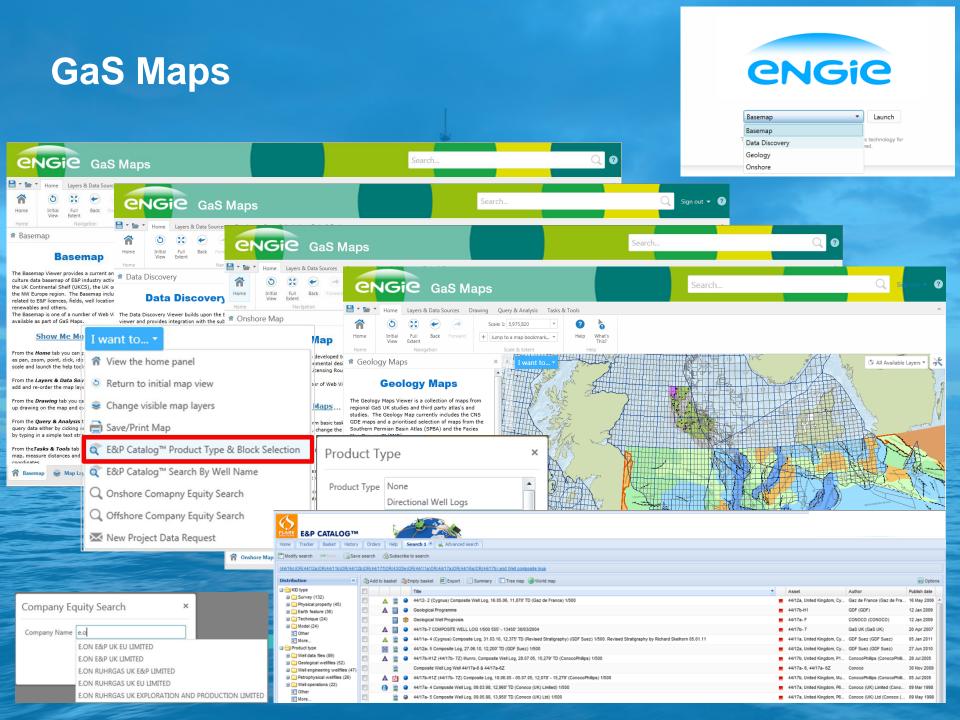




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I want my map to look like a map....





GaS Maps Dynamic maps embedded in SharePoint > URL integration engie engie GDF SUEZ E&P UK Ltd, part of the ENGIE Group ASSETS Search Q NFW/S ABOUT US FUNCTIONS PROJECTS IMS TOOLS GaS LIK Portal > Assets > Licence III GaS UK Apps -Licence engie About Contact Dropdown -Lead2Asset Home P1055 🔐 Region: Southern North Sea Block: 44/11a; 44/12a Licence Round: 20 Licence Status: Active Asset Summary Summary: Asset Test Main Stage: Depleter Lead Description Stratigraphic Column Summary Data Geological Summary Planned Source Asset Map Drill Ready Yes Drill 01/01/2016 Seal 4540 Pert Trap + BPP Class Lead -Migration 4/12a-6 EXI 288 P108 Licence Target Block 16/2a Reservoi Water Target Top Target Base 312.00 Depth 🗃 44/12a 🛱 4 Reservoir Pr Infrastructure Yes Asset? Gros Reservoir Summa Main HC Fluid Gas Туре Net Pav Primary Nat 44/17a-4 Lat: 10mi 10km 44/17a 644/17a-6 Secondar Lon: Gross Sources: Esri, HERE, DeLorme, Intermap, increment Reservoir ★ Selected Results (3) Dynamic maps embedded in Ops Dashboards View History View Selected >> Refine Results | List View | Charting View | Zoom to All | Reports | Export to CSV | Export to Shapefile | Select All | Select All > ArcGIS Javascript API, HTML5, Bootstrap, Logi Info S GDF Licence Assets Block Licence Round Licence Status Opp or Non-Opp Region Licence 🚖 44/11a;44/12a P1055 Southern North Sea 44/24a-5 Zoom to Feature | Pan to Feature | Create a Report | Copy to Drawing | Add to Selected | Export Feature Attachments

Dynamic searches from maps to the corporate database > Oracle Views

Details Attributes Links Deviation Header Deviation Survey SNS Checkshot Header Checkshot Data Log Data Corp Formation Tops Offshore Cored Interval Strat ODM Core Analysis Casing									
UBHI	WELL_NAME	DEPTH_M	TWO_WAY_TRAVEL_TIME_S	SOURCE	CHECKSHOT_NAME				
B-GB44-24A-5	44/24a- 5	2316.48	1.8630	GDF Operated	44/24a- 5_VELSV_DM Verified				
B-GB44-24A-5	44/24a- 5	2331.72	1.8710	GDF Operated	44/24a- 5_VELSV_DM Verified				
B-GB44-24A-5	44/24a- 5	2346.96	1.8760	GDF Operated	44/24a- 5_VELSV_DM Verified				
B-GB44-24A-5	44/24a- 5	2362.20	1.8830	GDF Operated	44/24a- 5_VELSV_DM Verified				
B-GB44-24A-5	44/24a- 5	2377.44	1.8910	GDF Operated	44/24a- 5_VELSV_DM Verified				
B-GB44-24A-5	44/24a- 5	2423.16	1.9140	GDF Operated	44/24a- 5_VELSV_DM Verified				

Business benefit

Quantifying – a continuous challenge GIS is great – but is it a nice to have? Some definitive "hard" benefits Integrated benefits Revisit the Strategy But....

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synergies

engie

Develop and



Thank you

Any questions?

Grahame Blakey

GIS Integration Project Manager GDF SUEZ E&P UK Ltd 