



Consulting for the Energy Industry
Exploration Project Experience

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Syntillica Experience Executive Summary

Syntillica is an Energy consultancy that serves the needs of our clients globally. Syntillica was designed to provide the key value proposition of experienced consulting support across a range of technical disciplines. Having access to a world-wide network of expertise allows Syntillica to efficiently and effectively provide the right skills at the right time.

Syntillica has accrued an enviable Group of consultants with average experience of approximately 25 years each which translates to 3500+ years of experience. Naturally the experience records of the consultants is far longer than Syntillica has been operating so Upstream project examples have been provided from both. While there are thousands of previous Upstream projects to choose from for examples some from the Syntillica Group have been chosen from **Exploration** from around the world.

Finally, some overview graphical breakdowns of the Syntillica Group are provided to show expertise by technical discipline, by years of experience within discipline, by qualification, by upstream service type and by geographical experience. We hope you find this beneficial.



Subsurface Manager	ERP0002
<p>* Project managed complex projects including seismic, subsurface (exploration and development geology, geophysics, reservoir engineering, petrophysics, geomechanics etc.), commercial (e.g. Due Diligence, M&A, CPRs) multi-disciplinary liaison (including subsurface, drilling, facilities and alternatives).</p> <p>* Trinity E&P (Trinity block, Trinidad) operated exploration and development projects for over 1 year.</p> <p>* Edison Energy (Gulf of Mexico, Mexican side). Exploration appraisal to prepare country entry.</p> <p>* Zarara (Kenya). Legacy data processing, 2D land exploration survey design</p>	
Geology-Commercial Consultant	ERP0005
<p>* Coordinated contracting of local institutes to generate exploration and development submissions to authorities with regards to all operator activities covering licence renewal, trial production licencing, application for TPP/TPP extension (trial production period), final application of AoD (Analysis of Development), Development Plan (post July 2018 regulation)</p>	
Geology-Commercial Consultant	ERP0006
<p>* Projects ranged from evaluation of exploration acreage to single oil or gasfields to major portfolios of oil and gas assets e.g the successful aquisition and funding of 40 offshore Shell BP fields in 9 production hubs for a purchase price in excess of UK 3 Billion.</p> <p>* Oil and gas exploration, appraisal and development, geological and geophysical interpretation, project screening, acquisition, programme management, staff mentoring, economic modelling, marketing campaigns, dilution and divestment and dataroom studies (incl. IHS Kingdom).</p> <p>Sep 90 to Dec 91. Enterprise Oil plc (London and Buenos Aires). Exploration Team Leader Americas and Middle East; Office Manager, Buenos Aires.</p> <p>* Managed exploration team evaluating projects throughout S. America and the Caribbean</p> <p>Aug 85 to Jun 90. Lundin Group; Bogota, Dubai and Geneva. Exploration Manager.</p> <p>* Geological Supervisor Africa (delivered report on exploration prospectivity of all African countries)</p> <p>May 75 to Apr 79. Texaco Exploration Canada, Calgary and Texaco Inc, Miami.</p> <p>* Energy Institute, Fellow of the Geological Society (FGS) London, Association of International Petroleum Negotiators; Petroleum Exploration Society of Great Britain; American Association of Petroleum Geologists. Society of Petroleum Engineers.</p>	



Geoscience=Commercial Consultant	ERP0007
<p>* A Principal Geophysicist & Geologist with a strong record of achievement and extensive experience of international exploration and development projects with major operators and independents</p> <p>* Experience with leading exploration, appraisal and development projects.</p> <p>* Responsible for International Exploration & Development projects worldwide.</p> <p>* Development & exploration projects in Central N Sea.</p> <p>* Technical responsibility for international exploration assets.</p> <p>1984 - 1986. Fina, UK. Charterhouse, Egypt. Exploration Manager</p> <p>* Exploration / Technical Manager in Cairo.</p> <p>1981 - 1984. Kerr-McGee UK. UK. Senior Explorationist</p>	
Reservoir Engineering Consultant	ERP0010
<p>* Broad understanding of all aspects of the business - from exploration through to brown field rehabilitation and geophysics through to facilities engineering and commercial aspects.</p> <p>* Previously employed by British Gas, Shell International (The Hague) and a large UK international petroleum consultancy company. I then worked as an independent consultant for 25 years (with occasional breaks as a contractor), employed by many organizations including majors, NOCs, independents, minnows, start-ups, governments, agencies and consultancies. This has included hands-on and supervisory roles involving planning, reservoir management, appraisal, scouting, screening, M&A/NBD/NV, auditing, teaching, skills assessment/planning, mentoring and peer reviewing/QC/CPR - on operated and non-operated projects in exploration through development to mature fields management.</p> <p>Working internationally on a range of short- and long-term technical and commercial projects in Qatar, Australia, New Zealand, Mauritania, Equatorial Guinea, Mozambique, China, Denmark, Indonesia, Singapore, Malaysia, Kazakhstan, Egypt, Cameroon, Argentina, Morocco, UK, Thailand, Vietnam, Germany, Algeria, etc. Performing: studies, FDP/FFR/IOR/EOR, rehabilitation, reserves, auditing, reviewing, exploration screening, M&A/NV/NBD, scouting, operations, reservoir management, lab studies, business operations.</p> <p>* Numerous acquisitions and dataroom exercises worldwide; appraisal and commercialization studies; exploration ranking exercises; notional and detailed field/area development planning.</p> <p>* Operational: development planning, field start-up, reservoir management, field rehabilitation, exploration/development, prospect screening/planning, well-test planning, execution, analysis, data gathering, quick-look analysis.</p>	



<p>* Datarooms; asset appraisal and acquisition/disposal; conceptual planning for block acquisition/exploration; commercial screening and ranking.</p> <p>* Petroleum Exploration Society of Great Britain (PESGB)</p> <p>* South East Asian Petroleum Explorationists (SEAPEX)</p>	
Reservoir Engineering Consultant	ERP0011
<p>* Reserves and Resources evaluations of green and mature fields: PRMS & Competent person s report (CPR) for producing fields, development opportunities and exploration prospects</p> <p>* Competent Person s Report (CPR) to assess reserves for a portfolio of producing fields (DCA) and exploration prospects in Barents Sea and North Sea (UK and Norway sectors)</p>	
Reservoir Engineer Consultant	ERP0012
<p>A reservoir engineer with a background in geophysics and more than 10 years of experience in the oil and gas industry. Delivers value through the exploration and production life cycle by leveraging subsurface knowledge, technology, data analytics and his experience in diverse oil and gas assets.</p> <p>* Applying geoscience and engineering intelligence to improve exploration, development and production plans.</p> <p>* 2002 Acoustic Inversion, Elastic Inversion and Neural Network for Gas-sand Detection. Society of Exploration Geophysicists (SEG). 2002 International Exposition and 72nd Annual Meeting Expanded Abstracts.</p>	
Geology Consultant	ERP0016
<p>* Principal Geologist in many CPR (Competent Persons Report) projects and is comfortable in a multi-disciplinary role or as a team member. Skilled in many geology, petrophysics, geophysics and with strong engineering support he develops value rapidly. He has taught courses in geological modelling, geostatistics, exploration geochemistry and fractal geometry and acts as a mentor for junior geologists.</p> <p>* Expert with exploration and development geology work processes</p> <p>* Principal Geoscientist and geological modeller within a 40-person team undertaking advanced modelling in support of exploration and development. Solid integration generates robust and useful models supporting successful dynamic assessment, well targeting and optimal production profiles.</p>	



Geology-Commercial Consultant	ERP0017
<p>* Petroleum exploration and production operations beginning in data engineering and well-site geology work with Baker Atlas extensively in UKCS.</p> <p>* Studies: Specialist and integrated field development and reservoir modelling studies, simulations and reviews both exploration and production based where employed broad experience allied to a precise scientific approach as team member, leader and project manager.</p>	
Geology Consultant	ERP0019
<p>* Exploration experience: Regional geology and basin evolution, well correlation, sequence stratigraphy analysis and facies definition. Integration of structure timing and sedimentology in tectonically active margins.</p> <p>* KMG. Exploration in the South Mangyshlak basin, Uzen-karamandybas Block, Kazakhstan.</p> <p>* PhD Exploration for potential underground gas storage in Northern Spain. University of Bilbao. Spain. 2019.</p>	
Geology Consultant	ERP0019
<p>* Oil & Gas Development and Exploration Full delivery of hydrocarbon field development plan including appraisal and development well targets. Participation to petroleum system evaluation, ranking of plays, prospects generation and new exploration well targets.</p> <p>* 3D integrated geomodelling using Gocad-Skua for deep water exploration in West Africa.</p> <p>* Responsible for the follow-up of the in-house and outsourced G&G projects on exploration and development assets.</p> <p>* Myanmar Managed and performed exploration studies on Pyalo, a sandstone onshore condensate gas field of RSF-9 block in the central basin characterized by a complex compressive structural context. Follow-up and integration of the G&G studies including a regional structural model, 2D/3D seismic interpretation, log correlation and petrophysical analysis. Built a Kingdom project including cultural data, wells and logs, 2D/3D seismic surveys, perforation and production data. Built a 2D reservoir model including net pay evaluation and HIIP reserves assessment. Also built a GIS project in ArcGis data geo-referencing.</p> <p>* Senior Gocad geomodeller consultant directly involved in BP geosciences projects to implement advanced modelling solutions and advise clients on field exploration and development decisions.</p> <p>* Angola Modelled complex salt bodies of Block-31, a large offshore deep water exploration block in Congo basin. Built complex salt dome closed envelope from seismic interpretation using Gocad unstructured mesh multi-Z surfaces and DSI Gocad proprietary interpolation algorithm. Created and optimised smart workflow to automate surface creation. These salt envelopes were a</p>	



critical input for BP proprietary velocity modelling process and pre-salt formation seismic interpretation.

* Algeria Performed Gocad reservoir static and dynamic uncertainty study for Block 208, a sandstone onshore **exploration** block in Berkin basin. Uncertainty study was performed on static reservoir properties using Jacta nested multi-realizations tool to provided HIIP distribution range and to characterized most critical reservoir parameters. Innovative workflow consisted in integrating dynamic data within the static loop: thanks to short streamline computation time a dynamic flow simulation was automatically run for each static realisation using 3DSL to assess producible reserves distribution.

Borehole Consultant

ERP0020

* Geological play evaluation for **exploration**, appraisal & development projects in a variety of basin settings.

Petroleum Systems Consultant

ERP0023

* Geologist with experience in **Exploration** (seismic interpretation, play-based **exploration** studies) and Petroleum System Analysis/ Basin Modeling

* 15 years of regional to prospect geologic studies, basin analysis and modeling for **exploration** (S. America offshore Atlantic and Caribbean, Red Sea, Gulf of Thailand, Arabia)

* Brazil equatorial margin (Client: Maersk Oil, Houston) - building a complex basin model at a broad continental margin scale (150+ wells). Delivered a range of model outcomes predicting HC charge nature, distribution and timing. Integrating model results into the client s play-based **exploration** framework.

May 2011 Jun 2012. Shell E&P Co., Houston, TX, USA. **Exploration** Geologist in New Ventures

* Deep Water / Frontier **Exploration** sub-team

* Projects in offshore NE Brazil play-based **exploration**, regional seismic interpretation (horizons, maps operations, facies, GDE, leads, sequence stratigraphy, time-depth conversion), well data analysis

* Built several prospect- to basin-scale basin models in Santos and Campos basins during 6-month cross-posting in Brazil **exploration** team in 2006, and a basin model for the NE Brazil to French Guyana **exploration** project in New Ventures **Exploration** team during 6-month posting in 2009.

Exploration Geology-Management Consultant

ERP0024

* Managing all Addax **Exploration** activities, both operated and non-operated, based in Nigeria, Cameroun, Gabon, the UK North Sea, and Iraq Kurdistan

* Performing remote/on-site management of the 30-35 staff in Geneva and the 15 direct reports in **Exploration** departments in Nigeria and Cameroun. Managed several successful discovery-to-



development projects in Cameroon, Nigeria; successfully planned and executed complex HPHT **exploration** well in Cameroon

* Liaising with the parent company, Sinopec, on all Operational and **Exploration** portfolio issues

* Succeeded at driving the shift from traditional **Exploration** to near-field portfolio monetisation; drove the maturation of discoveries previously considered as marginal and so added some 20MMb in recoverable resources; promoting new venture initiatives to support the Company's growth objectives; applying in-depth local and regional knowledge and experience to champion the Company's expansion strategy in alignment with Addax/Sinopec strengths and vision.

* Quantitative analysis of the **Exploration** portfolio, advice to Board on portfolio status & development

Geology Consultant

ERP0025

* Petroleum Geologist with diverse experience in stratigraphy, sub-regional and basin scale **exploration** projects, prospect evaluation and commercial work gained with leading service companies and secondments with operators.

* Skilled project manager with strengths in integrated project work and expertise in both commercial and **exploration** projects.

* Commercial evaluation of **exploration** and production assets in the Eastern Desert

* Commercial evaluation of **exploration** and production assets in Kazakhstan

* Lead Geologist in subsurface team responsible for **exploration** of deepwater blocks in Liberia and the Gambia

* Lithostratigraphic studies including analysis of well material and log interpretation from **exploration** and appraisal wells from the Northwest European continental shelf

Geology Consultant

ERP0029

* Geological well planning (**exploration** and development)

* Working within the subsurface team on a range of international projects, including frontier **exploration**, development, reserve audits and asset evaluation. Projects include:

* Trinity **Exploration** & Production Ltd: Trintes field development, including preparation for future drilling. Operational support of ongoing drilling program (drilled 4 sidetrack development wells and 1 **exploration** well within a year). Further supported the Galeota Block appraisal by reviewing undeveloped discoveries and near field **exploration** opportunities including prospect generation and maturation with geophysicists, carried out volume estimates and risk analysis. The project was based in house at the client office for a period of 6 months.



* KMG EP: Geological due diligence of **exploration** assets and additional **exploration** potential within existing fields and development areas in the Pre-Caspian Basin, Kazakhstan.

* Subsurface analysis and operational support for all **exploration** assets, ensuring all project objectives are met.

Geology-Commercial Consultant

ERP0030

* Defined GDF-Suez UK onshore **exploration** and growth strategy, then secured buy-in from the corporate and technical divisions in Paris Head Office, by leveraging formal and informal communication pathways.

* Discovered 14 TCF of Natural by defining **exploration** strategy and executing the first Utica shale gas projects in Quebec and New York State, several years before shale became fashionable.

* Managed \$35M USD **exploration** budget

* Set-up trained and managed UK Onshore **exploration** team. Identified and managed significant resources subcontracted from wider GDF group to reduce team overhead.

* Managed JV relationship and deployed North American onshore experience well design, drilling efficiency, shale theory - to guide JV operating partner to cost effective, results focused, **exploration** strategy. Strategy is still in use

* Secured strategic support from GDF Paris **Exploration** committee and G&G teams in both formal and informal contexts

* Served as COO of a junior E&P. Mandated to develop 300,000+ acres of prospective, yet undeveloped unconventional gas assets in highly challenging regulatory and market conditions. Managed \$6M CAD **exploration** budget. Raised \$1.5 M CAD through private placements.

* Head of **exploration** for junior oil and gas **exploration** company. Initiated and developed Gastem's **exploration** strategy for the Ordovician Utica Shale in Quebec and New York leading to a multi-TCF New basin gas discovery. Identified and negotiated partnership / M&A opportunities. Hired, managed and developed a team of industry professionals. I was number 2 in the door for this venture and wore many hats, including, defining corporate **exploration** strategy, performing all of the technical and engineering analyses, running the IR programme, writing quarterly management reports for the TSX securities exchange. Managed \$30M CAD **exploration** budget. Drilled and fracked 20+ vertical and horizontal, new basin shale **exploration** wells, on time and under budget. Close involvement in raising \$47.5M CAD in private placements via retail and institutional investment markets.



Geoscience Consultant	ERP0032
<ul style="list-style-type: none"> * Seismic interpreter: field development to regional exploration and prospect specific, implementing geological models and concepts and geophysical techniques, data, and discipline integrator. * Value creator: identification and maturation of value creating opportunities, infill well locations, near field opportunities or exploration targets. * Northern Petroleum Plc (London, UK), Exploration Manager & Senior Geophysicist * Italy, Durres basin, Sicily channel, Po Valley: various exploration projects: regional seismic interpretation and mapping, prospects and leads identification, volumetric evaluations, risking and ranking of exploration portfolio * Value creator: contributed to generation of 1 Bstb+ prospective resources in Italian exploration permits independent CPR * New venture evaluations (exploration & development opportunities) various countries in Mediterranean region * North Sea (UK): Block 16/2b exploration potential, Armada Gas fields development * Namibia: Exploration prospectivity Orange Basin near Kudu gas discovery for Namcor * Po Valley - La Tosca geophysical support for exploration well proposal, review of remaining potential on block 	
Geology Consultant	ERP0033
<ul style="list-style-type: none"> * All aspects of exploration, development and production geoscience * Significant contributions to the understanding of Serica exploration assets in the UK Central, Southern and Northern North Sea (including Block 22/19c HPHT Rowallan Prospect) * Thermal modelling studies of exploration wells in the UK Southern Gas Basin * Review of exploration potential in the Weald and Wessex Basins, Southern England 	
Geomechanics Consultant	ERP0036
<ul style="list-style-type: none"> * Broad knowledge of the oil and gas industry from both a technical and a regulatory and legal perspective. My expertise in geomechanical engineering has provided access to a variety of exploration and production disciplines including exposure to drilling, production technology, petrophysics, reservoir engineering and geophysics. 	



Geomechanics Consultant	ERP0040
<p>* In Shell International Exploration & Production, Manager of the Geomechanics Research and Development team in Rijswijk.</p> <p>* Secured major project on forward modelling offshore West Africa, for pre-drill analysis of exploration well.</p>	
Geology Consultant	ERP0043
<p>* Managed well planning processes and project timelines. Coordinated project schedules to meet various gate reviews and ensured that subsurface groups, drilling and EHS functions aligned on project goals. Key team member that negotiated GoM EPC contracts for Tubular Bells Development and GoM exploration drilling campaign.</p> <p>* Supervised all geologic operations on Oxy Libya operated exploration blocks covering more than 19,000,000 acres onshore and 4 Woodside operated offshore blocks.</p> <p>* Hired and supervised ex-pat contract wellsite geologists, ex-pat operations geologists and 7 Libyan national geologists and petrophysicists. Managed an onshore exploration drilling campaign spread across geographically diverse and remote desert locations with challenging logistics and vendor management.</p> <p>* Spearheaded worldwide geologic operations on Oxy operated exploration wells with a focus on knowledge transfer and management of vendors to ensure uniformity of service levels across large geographic regions. Actively involved in revamping wellsite data transfer systems to allow Oxy geoscientists to more efficiently access drilling data and improve the decision-making process while drilling operations are in progress.</p> <p>* Key team member of peer review and risk assessment teams on high-risk exploration wells in remote areas including, Peru, Ecuador, Colombia, Suriname, Yemen, Oman, UAE, Permian Basin, Onshore California.</p>	
Geophysics Consultant	ERP0044
<p>* In-house secondment within large independent Norwegian energy company to conduct geohazard analysis for a large exploration and development field offshore Ghana.</p> <p>* Project managed HR site investigation survey interpretation and reports for exploration rigs, platforms and pipelines world-wide for numerous oil company clients.</p> <p>* Project managed HR site investigation survey interpretation and reports for exploration rigs, platforms and pipelines in UKCS for numerous oil company clients.</p> <p>* Pre-drilling site surveys, pipe route surveys, large scale cable route surveys, MOD seafloor mapping and ordinance/wreck investigation, exploration 2D seismic surveys and a variety of reconnaissance surveys.</p>	



Geophysics Consultant	ERP0046
<p>* A two-year multidisciplinary team project utilizing new 3D seismic data for prospect mapping in deep water plays of Liberia, Gambia and Senegal and real-time depth conversion and drill planning and support for two exploration wells in Liberia. Lead Geophysicist</p> <p>* Galeota Field- Appraisal, exploration and near field studies. Senior Geophysicist. Lead and prospect mapping.</p> <p>* West of Shetland Schiehallion and Foinaven Field Exploration.</p>	
Geophysics Consultant	ERP0047
<p>* Prospect Evaluation & Exploration Risk Analysis</p> <p>* Provide geophysical support to clients including 2/3D seismic and non seismic (Grav-Mag) data interpretation and prospectivity assessments for a variety of integrated exploration & development projects within the Middle East and Africa region. Champion the utility and integration of non seismic and other technology where it adds value and reduces the inherent uncertainty in the interpretation of subsurface data.</p> <p>* Iraq 4th license round screening study using public domain regional and proprietary local scale gravity & magnetic data sets. Integrate with 2D seismic depth structure mapping, providing independent structural assessment; Rank and assess block prospectivity.</p> <p>* Field Development Planning (FDP) for Area-A Exploration, Onshore Gulf of Suez Basin, Egypt. Provide East Yusr Field 3D seismic interpretation at Top Rudeis Fm for reserves estimate. Provide oversight and support to 2/3D seismic mapping for the Chikshina Field, Central Timan-Pechora Basin, within Northern Russia.</p> <p>* 2D seismic field development and reserves review for NW Java Sea / B & E Fields. Map and assess Baturaja and Parigi Fm reefal carbonate gas plays. Mentor and assist junior staff in utilizing exploration technology and techniques of prospect generation.</p> <p>* Direct AMI group exploration & evaluation studies for Dutch 7th license round. Lead to successful offshore Netherlands block award.</p> <p>* Initiate and evaluate exploration projects in UKCS/North Sea, frontier areas west of Britain, onshore Britain and international areas. Develop exploration play concepts for Carboniferous and Permian in the Northern Gas Basin.</p> <p>* Seismic interpretation and reserves audit for various marine area exploration projects. Karan Field development review & reserves assessment.</p>	



* Coordinate and supervise 2D seismic acquisition and processing, North-eastern US Region. Map and evaluate Niagaran pinnacle reef and Trenton-Black River Fm carbonate (secondary fracture) **exploration** plays.

Geophysics Consultant	ERP0048
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* **Exploration** and Development QI geophysical contribution in the onshore Egypt, offshore Bulgaria, Romania, Texas lake Huston and China. AVO and seismic inversion projects managing and QC, A rock physics specialist for sedimentation and in-fill fluids, multicomponent AVO analysis.

* AVO analysis and seismic inversion for amplitude driven prospecting in Egypt, 22 **exploration** wells and AVO success rate is 63%;

* Seismic modelling and amplitude analysis for offshore Bulgaria, 6 **exploration** wells, 67% success rate.

Geophysics Consultant	ERP0049
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* Worldwide offshore experience of rig site, pipeline inspection, **exploration** seismic and cable route surveys for numerous clients.

Geophysics Consultant	ERP0052
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* Worked not only in acquisition, processing and interpretation of seismic data both for **exploration** and exploitation but also experience in seismic attributes, amplitude analysis, post stack seismic inversion, AVO, velocity and 3D geological model building.

* Quad 42/25; 43/16; 42/21 (SNS): Seismic interpretation and location of Carna **exploration** well and the firming up the Carya prospect.

* Quad 48 (SNS): Firming-up and location of 48/3-5A **exploration** well.

* Development & **exploration** projects in Central N Sea.

* A wealth of experience in prospect generation and evaluation through the interpretation of geophysical data and integrate with geological and engineering data in support of both the regional **exploration** and the prospect development efforts.

* I worked with the **Exploration** / New Ventures team and was responsible for the following assets: Block P12, Block P9, Block P6, Block Q10d, and Waalwijk Concession.

Geophysics Consultant	ERP0053
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* **Exploration** and appraisal well positioning.

* Undertook regional 3D interpretation of Mid Jurassic, Triassic and Top Zechstein in nine Quadrants of the Central North Sea, allowing client to target **exploration** activity.



- * Evaluated and prepared client **exploration** license application to UK Government for 27th UK Seaward Licensing Round. Based on this report the license was granted to the client.
- * Recruited to identify and characterize play types, to position **exploration**/appraisal wells, to carry out/supervise a variety of geophysical projects, and to evaluate farm-in opportunities.
- * Assessed the **exploration** potential of the offshore blocks in the 10th Romanian **Exploration** Round where Melrose and its partners applied for and were awarded two Blocks.
- * Designed 2D seismic surveys aiming to reduce **exploration** risk (1600km in Bulgaria and 500km in Turkey), including some operational management.

Geophysics Consultant

ERP0055

- * Madagascar, Kenya, Ethiopia, Seychelles and East Africa general
- * Working on Cendor (PM304) Field Development and Near Field Appraisal. My main objective was to generate prospects in the untested Late Oligocene/Early Miocene (L-I series). The study involved a detailed analysis of the tectonic evolution of the Cendor Anticline, Palaeo-geographic reconstruction, Sedimentary Deposition Fairway analysis, HC Migration scenarios and Reservoir Characterisation. 14 structural and 9 stratigraphic multi-target plays were identified using conventional 3-d seismic and 5 of these were up graded to prospect status using Attribute analyses, AVO, Inversion and Spectral Decomposition to reduce the risk associated with reservoir presence and quality. Petronas and partners drilled (2008) three deep **exploration** wells based on this work and discovered economic accumulations in two locations. Target was not reached in third well, due to drilling problems.
- * Development/**exploration** geophysicist on the Varg Field Norwegian North Sea. Identified 2 satellite plays and 5 untested compartments. Talisman discovered economic accumulations in both satellites in 2008/9 and also a new reservoir unit in one well. Drilling in one untested compartment has resulted in a major discovery, which extended the life of the field considerably.
- * Technical Advisor/Assessor for the **exploration** group evaluating the APA Application Licenses. Screened all blocks on offer in the Norwegian , Barent and North Seas.
- * Repsol based in Almaty, Kazakstan and Madrid, Spain. Led the **Exploration** team for Repsol in their Pre Caspian licence, with responsibility for generating prospects and determining drilling locations . Supervised and interpreted the gravity study, which was used in the south of the permit to determine the tectonic evolution of some "Reefal" plays .
- * CRS Mapping: Produced a petroleum system/potential/lead report for the area. The group applied for two additional tracks based on this study and drilled a successful **exploration** well in NC-115 in 1999 and 8 further discoveries to date.



- * Managed successfully a new venture project in the Southern Appenines (with full budget responsibility) resulting in **exploration** of seven licences. Managed the **exploration** and farm-out stages for this acreage.
- * Worked on the **exploration**/development of the Audrey field and initiated an undershoot survey.

Geophysical Consultant	ERP0056
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- * Senior Geophysicist with good geological insight, and highly relevant oil and gas industry experience. Interest in exploring new areas, topics and technologies combined with hands-on interpretation capabilities have been the main drivers. In addition, keen interest in the commercial aspect of the hydro-carbon **exploration**/exploitation cycle.
- * Experience also includes seismic contractor tendering, personnel interviews and seismic processing project monitoring. Key personal attributes are: team-player, project communicator and good attention to details.

Geophysics Consultant	ERP0058
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- * Profession Summary Geophysicist with over 15 years experience within all the aspect of seismic **exploration** and production in reservoir characterization and imaging
- * Working with **exploration** team: AVO attributes analysis and pre-stack simultaneous inversion (quantitative interpretation) for de-risk of prospects evaluation
- * Evaluation of **exploration** blocks, to establish the potential for hydrocarbon discoveries and opportunities for new seismic acquisition and interpretation. Resolve the structural/geological model with the reservoir geologists for commercial fields in order to optimize drilling of development wells.
- * In-field Geophysicist for oil and gas **exploration** in 2D/3D seismic data acquisition in Romania at S.C. PROSPECTINI S.A. Field Seismologist in the Seismic crew - Seismic data quality control and in-field processing for 2D/3D where exercising quality controls. Processing seismic data using Promax software (brute stack).
- * 3D Seismic **exploration**, AVO Inversion, An Integrated approach of 3D Seismic Interpretation, Deep Blue Seismic Inversion, Emerge, Geophysics for Seismic Data Processors, Geostatistics, Integrated Reservoir Modelling Next

Petrophysics Consultant	ERP0059
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- * Considerable experience in technical and peer review audits on various **exploration**/appraisal, development and early production projects including conventional and unconventional assets, both from a petrophysical and reservoir quality perspective.
- * Lead formation evaluation specialist assigned to an **exploration** group set up to evaluate both shale gas and shale oil, along with coal bed methane resources (CBM) in Northern Germany and



Poland. Specialist resource on well design and project implementation, along with subsequent analysis programme and assessment. Became a worldwide company focal point for unconventional petrophysical analysis, involved with setting standards and evaluation strategies within the Company. Assisted in technical reviews and peer review audits on unconventional and conventional projects worldwide.

* Attached to **Exploration** Group evaluating a number of unconventional plays in USA and Canada, including Eagleford, Haynesville, Barnett, Horn River and Marcellus. Previously attached to the **exploration** and production groups within EMIL working on operated and non operated projects in the North Sea, including Norway and onshore Netherlands. Undertaken an overseas assignment in Jakarta Indonesia working on various **exploration** and production clastic and carbonate plays. In addition had Operations Geology supervisory responsibility. Subsequent assignment in the USA, assigned to ExxonMobil **Exploration** Company (EMEC) in the Formation Evaluation Core Group, working on world wide **exploration** projects. Assigned to the Production Geoscience Special Studies Group of the ExxonMobil Production Company (EMPC), taking on the EMPC SALT (XOM s Skill Area Leadership Team small team of the most senior/experienced in-house Petrophysicists) position requiring me to attend technical and peer review audits on a number of Development and early Production Assets around the world. Involved with rollout of the XOM in house Thin Bed Course, based on the AAPG Book by Passey et al. Last position in USA was assigned to the Angolan Block 15 ExxonMobil Development Company (EMDC) as Lead Petrophysicist and EMDC SALT position.

* Petrophysical supervisor for all Confidential's interests worldwide. Planned wireline and formation evaluation operations for **exploration** and development projects. Designed interpretation techniques for integrating wireline and core data. Mediated between departments ensuring that the evaluation goals were met despite conflicting operational constraints. Undertook an extensive review of all petrophysical software. Supervised and managed three Petrophysicists, with budget and planning responsibility. Also performed Operations Geology duties during this time.

* Responsible for all petrophysical matters within the North Sea business unit. Worked closely with managers, geophysicists, geologists and reservoir engineers in **exploration** and field development teams. Closely liaised with commercial and economic personnel when required. Represented Confidential on all Annex B submissions and was the lead negotiator on petrophysical redetermination committees. Developed novel acquisition programmes and interpretation models for problematic reservoirs and highly deviated and horizontal wellbores.

* Responsible for setting up a Petrophysical Consultancy Group within Geochem to provided a full range of formation evaluation services. Studies included a number of multi-well projects Regional evaluations to establish reserves and **exploration** potential of the Wessex and East Midland Basins onshore UK. Revaluation of a submitted Annex B for the DOE Ireland.



Petrophysics Consultant	ERP0060
<p>* Operational Petrophysicist for North Sea exploration wells drilled on basis of AVO anomalies: Azinor Catalyst s Scapa Sst 14/11a-2 Partridge well and Summit E&P Ltd s, Witch Ground Graben Tertiary 15/16d-27 Ranger well.</p> <p>* Management of wireline services to Eastern Australia (Cooper Basin, Queensland CSG, Bass Strait) and PNG. Included 7 offshore wireline skids in Bass Strait (production and exploration units); 8 wireline land units supporting QLD CSG and Moomba businesses (services included from high frequency quad-combo services, borehole imaging, multi-stage fracs, mini-fracs, seismic hydraulic fracture monitoring); 2 heli-portable units in PNG highlands. Duties included daily operational management, P&L, HR and OHS.</p>	
Petrophysics Consultant	ERP0061
<p>* Skilled petrophysicist performing detailed computer processed petrophysical interpretations in both clastic and carbonate environments during operations, exploration and appraisal and development scenarios</p> <p>* Exploration and development experience combined with Techlog, Geolog, Interactive Petrophysics and MS Office skills.</p> <p>* CNOOC: Petrophysicist for Golden Eagle Area Development and various projects including Exploration and New Ventures in the WoS, Ireland, West Africa and Texas</p> <p>* Carry out formation evaluation and petrophysical analysis on existing and new assets from exploration to brown fields with a focus West of Shetland and Central North Sea</p> <p>* Working in the Reservoir Engineering Team supporting exploration, production and development in operated (Cambo, Tornado and Sulven) and non-operated (Schiehallion, Rosebank, Jackdaw and Jade) assets</p> <p>* Part of a multi-disciplinary team using an integrated approach to petrophysics for reservoir characterization for exploration, appraisal, development and asset evaluation</p> <p>* Regional and operations support for 2 wildcat exploration wells offshore Liberia, West Africa</p>	
Petrophysics Consultant	ERP0062
<p>* A petrophysicist with more than 21 years experience. He has worked as a petrophysicist on a diverse range of projects from single exploration well operation support to challenging huge integrated reservoir studies followed by target definition, ranking and drilling new wells in conventional (clastic and carbonates), unconventional and HPHT reservoirs.</p> <p>* Petrophysical evaluation and support for exploration and acquisition of new assets in the Norway</p>	



- * Petrophysical support of North seagull **exploration**
- * **Exploration** Geologist and Petrophysicist to prepar Technical Proposal for development of Laleh, Taban and Ferdowsi **Exploration** Blocks, 2007
- * **Exploration** Geologist, Geological Services for Blue Nile **Exploration** Block in Sudan (Data base preparation, Lithostratigraphy, Sedimentology, Depositional Environment Sequence Stratigraphy and Zonation), 2006

Geology Consultant	ERP0063
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* Over 34+ years of broad experience in geological and geophysical interpretation. Experienced working as a geoscientist, geomodeller, geologist and subsurface team leader with large multi-nationals to smaller independents, consulting and service companies. Experiences also covers both **exploration** and development/ production geology environment with working knowledge of both clastic and carbonate reservoirs spanning over diverse geological settings from shelf to deepwater and geographical areas from the Malay Basin in South East Asia to the Arabian Gulf in the Middle East, the Carpathian Basin in Romania, the Murzuq Basin in North Africa and the Congo Basin in West Africa. Very familiar with FFR, FDP, FRDP studies and processes. Strong hands-on experience in 3D static modelling, 2D mapping, sequence stratigraphic correlation, prospect maturation, seismic voxel interpretation, wellsite and operation geology and well planning, **exploration** block assessment, deterministic and probabilistic volumetric assessment and risks and uncertainty analysis. Computer literate and confident using several industry-standard geoscience packages such as Petrel, REP and RMS. Adaptable and able to work individually or as part of a team. Self-motivated with good interpersonal and organizational skills.

* Specific experience: Core skillsets include static modelling, development/ production geology (both onshore and offshore) and **exploration** geology. Routinely worked in multidisciplinary teams conducting development and **exploration** field studies. Other duties include well proposal generation, well planning (**exploration**, development and horizontal wells), geosteering, operations and wellsite geology tasks. Have also previously lead a multidisciplinary team in an onshore heavy oil brown field re-development effort. Familiar working in joint-ventures, milestone/ gate review process environments and knowledgeable with geophysical, geological (including sedimentology and core studies), petrophysical, reservoir engineering and drilling data including updating of geosteering data from horizontal wells into static models and blind testing of finished models. Experienced working in a broad range of complex geology fields including clastic and carbonates fields with mixed structural and stratigraphic traps. Also experienced working in a number of carbonate reservoir fields with suspected fractures. Other experiences include reservoir characterization best practices study, reservoir rock typing studies using MICP data, integration of seismic inversion results into static models and performing sensitivity and uncertainty analysis on models. Expert to competent user of industry standard E&P softwares such as Petrel, REP and RMS. Also familiar with the geology and stratigraphy of the Middle Eastern Basins, specifically on carbonate fields Khor Mor, Bina Bawi (Kurdistan), Block 9 field (Iraq), Yadavaran (Iran), Bab, Haliba, Shah SimSima, Bu Hasa (UAE) and the Bahrain field.



* **Exploration** Block Assessment: Perform geological evaluation for ONGC-Videsh for its Iraq **Exploration** Block - 4th Bid Round initiative. Generated Leads Inventory maps within the Blocks open for bidding

* Responsibilities include block MPN Congo **Exploration**, Azurite Field Development planning in block MPS and West Africa New Ventures initiative.

Responsible for maturation of **exploration** prospects and near field appraisals for drilling in Murphy's Deepwater acreage offshore Sabah and its in-board prospects in Sarawak, Malaysia. Took on the role of operations geologist during the drilling of the prospects.

* Performed **exploration** prospect mapping, probabilistic and deterministic reserves assessment, risk analysis and maturation of prospects in Murphy's deepwater acreage for drilling. Matured and drilled 4 **exploration** and 2 appraisal wells in Block K within a 15 months period.

* Maturation and drilling of 2 step-out **exploration** wells Senangin and Jangas where marginal pay sands were encountered. Both locations discovered oil charged Late Miocene thin bed sandstones of distal fan lobe setting

* Prospect mapping and maturation of leads in Murphy's **Exploration** acreages, offshore Sarawak, Malaysia. Performed field review and probabilistic reserves assessment on Wau prospect, Sapih and Patricia Fields.

* Regional Sequence Stratigraphic correlation involving wells in Murphy's SK309 and SK311 acreages to establish a regional stratigraphic framework to enable better understanding of the East Balingian Province's Petroleum System. Establish its migration path and charge model to enable high grading of prospects for **exploration** prospect maturation. It also includes integrating Maturity Modelling results and performing fetch area and sand fairway mapping

* Routinely performed pressure plots to estimate GOC (gas-oil contact) and OWC (oil-water contact) from RFT/MDT pressure information from development fields and **exploration** prospects

* Successfully carried out wellsite geologist duty for ExxonMobil's **exploration** and development wells in Seligi, Jerneh, Guling, Yong, Angsi, Tapis, Korbu, Maluri and West Larut fields in the Malay Basin

* 1996-1997: Foreign assignment as a development geologist/ geomodeller with the Critical Technology Dept., Exxon **Exploration** Co. (EEC), Houston, Texas

Highlights: Performed **exploration** prospect mapping, wellsite supervision and well log correlation and final well report writing and composite logs preparation. Also performed core description studies and volumetrics assessment.



Drilling Consultant	ERP0064
<p>* 3 years experience in mineral exploration</p> <p>* Carry out gravity and electromagnetic surveys as part of mineral exploration programme in Irish midlands. Headed up 4-person field crew. Introduced HSE and efficiency initiatives. Used data to select targets for Diamond Drilling.</p>	
Drilling Consultant	ERP0065
<p>* BSc. In Exploration of Mining Engineering - Lahijan Azad University, Iran 2000 MSc. In Petroleum Engineering Science & Research Azad University, Tehran-Iran 2002 Nationality/Languages British / Iranian</p> <p>* Planning 5 well exploration program, all operated under budget.</p>	
Drilling Consultant	ERP0066
<p>* Onshore and offshore experience on exploration and development projects including Deepwater, HPHT and horizontals on depleted reservoirs, onshore low-cost drilling operations.</p> <p>* Project direction of various deepwater exploration operations in West Africa, jack-up HPHT exploration wells in Cameroon, jack-up campaign in West Africa and the Caribbeans</p> <p>* Project Leader for an exploration well in Eastern Turkey. Lead preparations for an onshore exploration well in a remote location by the Iraq border, with limited human resources</p> <p>* \$25m HPHT offshore exploration well in an extremely remote location</p>	
Drilling Consultant	ERP0067
<p>* Drilling Superintendent for the John Shaw semi-submersible. The role included responsibility for a wide range of activities including day-to-day operations and overall responsibility for a large team of engineers with budgetary responsibility for numerous contracts. The rig was drilling exploration prospects and ERD development wells in the Northern North Sea.</p> <p>* Joined BG as a staff engineer - seconded to the Egyptian joint venture Burullus and Rashpetco to provide management and technical support to ongoing projects. These included a deep water HPHT exploration well, a 6 well subsea development, a 4 well jack up platform project and various other E&A and development wells offshore the Nile Delta Basin.</p> <p>* In the UK sector responsible for the side-track of an exploration well in Outer Moray Firth, where with operational improvements, well redesign and contract renegotiation reduced the drilling time by approximately 30 days, saving Veba in excess of 2MM.</p> <p>* Senior Operations Engineer with Diamond Offshore (Shell WIN 90 s Lead Contractor) / Shell Expro. Rig assigned to the drilling of Bittern subsea development (completed 136 days ahead of schedule) and ad hoc exploration and appraisal drilling. Responsibilities included well planning,</p>	



drilling optimisation, onshore operations support / supervision, and liaison with operator subsurface team (i.e. geologist, reservoir engineer, etc.).

* After completion of the Curlew project, reassigned as onshore Drilling Engineer for **Exploration** and Appraisal wells in Outer Moray Firth, with responsibility for well design, all legal correspondence and drilling operations. Challenges include drilling with Silicate based mud system through reactive Shales to comply with reduced discharge levels, limited offset data and stringent environmental controls (offshore Moray Firth).

* Designed an **exploration** well, appointed contractors and procured all equipment for a well in Manila Bay (Philippines).

* Seconded to PDO to identify, classify and dispose of \$MM20 redundant stock. This required detailed evaluation of the equipment and well designs to identify disposal options and by modifying well designs. \$MM8 of the redundant stock was allocated to well types on the schedule by incorporating design changes. A further \$MM2.6 was written-off as unusable due to safety or technical reasons and the remainder was allocated as contingency stock for special **exploration** activities and workovers on old well types.

Drilling Consultant

ERP0068

* Drilling and Completions Manager for Olive Energy - Congo (PNR) Sept 2019 to July 2020
Independent Consultant Drilling and Completions Manager for an onshore **exploration** wells project in remote equatorial rain forest for Olive Energy Turnkey operation for NOC SNPC. Implemented and managed the Well Delivery Process from the importation and shake down of two rigs (one drilling and one workover rig) through to the successful drilling, completion and well test of one highly deviated and one vertical **exploration** wells. Oversaw the initiation of the Safety Management Plan, carried out the HSSE audits of rigs and service providers and without senior drilling engineer support had sole responsibility for the Basis of Design, Drilling and Completion Programs.

* Drilling and Completions Manager for Dunraven Resources - Tunisia Nov 2018 to Sept 2019
Independent Consultant Drilling Manager for a 2 x offshore **exploration** wells project in deep water offshore Tunis for Dunraven Resources; including the Company Safety Management Plan, HSSE audit Rig and Service providers, Environmental Management Plan, Conceptual Well Design, Tendering Phase and Basis of Design.

Drilling/Well Engineering Consultant

ERP0069

* Drilling Superintendent responsible for Heritage Oil s Ghana **exploration** campaign. Small team with tendering and well planning being performed in parallel. Duties include but not limited to tendering all third party services including the MODU and long lead items. Responsible for MODU auditing and acceptance. Well planning (AFEs, casing design etc) for 2 firm deepwater **exploration** wells.



* Senior Drilling Engineer for SNS Breagh Alpha infill campaign. Responsible for all well planning, intervention and abandonment activities including but not limited to tendering, contract negotiation, casing design, equipment selection, HSE submissions and rig operation optimisation. Significant proportion of completion, fracing and intervention work with coiled tubing and slickline. Technical lead (well design, rig re-activation, rig acceptance and logistics) for deepwater West of Shetland **exploration** wells (non-op). Liaising with London based developments team for optimisation of the Breagh Bravo and future appraisal wells. Instrumental in Ineos Decom planning, bench marking of costs/times for both wells and facilities.

* Part of a several small teams reviewing acquisition cases for clients where various economic cases were reviewed and presented, covering full field life with particular focus on well integrity, schedules of work, infill/**exploration** drilling costs, intervention plans for EOR, decommissioning estimates (wells and topsides benchmarking) allowing clients to make informed decisions on M & A activity.

* Drilling Superintendent responsible for Falkland Islands **exploration** campaign. 5th generation harsh environment DP3 rig semi sub. Duties include tendering for all third party services including MODU and local based supply chain. Responsible for rig upgrades and commissioning, Rig and equipment mobilisation/de-mobilisation. Leading a team of 9 to deliver deepwater, remote location **exploration** wells. Falkland Islands oil and gas activity follows UK legislation. Generated field wide BOD for subsea and TLP field development concepts with a focus on full field life cycle. Heavily involved in contracting strategies for MODU for long term development drilling, well services and TLP design/build, emphasis on safety case and design criteria to work under UK legislation

* Onshore Drilling Engineer, reporting to Drilling Superintendent, responsible for detailed well planning, AFE preparation (UnRiskIt) and operations support of 6 well ultra deepwater **exploration** campaign with 6th generation dual activity drillship. Duties included casing design, cement programme review, mud programme review, equipment selection, review of DST design and equipment. Liaised with pre-developments team (reservoir, subsea, facilities) in London option screening for various development scenarios, provided D & C input to stage gate for concept select.

* Onshore Drilling Engineer, reporting to Drilling Superintendent, responsible for detailed well planning, AFE preparation and operations support of deepwater/ultra deepwater **exploration** and development wells. Drilled with both semis and drillships. Duties included casing design, cement programme review, mud programme review, equipment selection, review of DST design and equipment. Various studies undertaken including field wide bit strategy and APB mitigation. Planning for various rig start ups also undertaken.

* Worked as Onshore Well Engineer, reporting to Drilling Superintendent, responsible for detailed well planning, AFE preparation and operations support of offshore subsea **exploration** wells, platform intervention. abandonment work with coiled tubing and slickline. Duties included casing design, cement programme review, mud programme review, equipment selection, review of DST design, coiled tubing BHAs, slickline tool string and well control equipment. Responsible for



calling off equipment, raising POs and engaging with service providers to optimise operations. Retendered all services as part of cost reduction exercise.

* Onshore Drilling Engineer. Reporting to Drilling Superintendent, responsible for detailed well planning and AFE preparation of 2 offshore jack-up **exploration** wells. Duties included casing design, cement programme review, mud programme review and equipment selection. Responsible for calling off equipment and raising POs, Working with the Hardy Logistics team to ensure appropriate equipment scheduling. Supported Drilling Superintendent Fan E Well operation and concurrently planning Fan A Well.

* Working in a small team offering planning and support for various client s North Sea drilling campaigns. Experience in night supervision of drilling operations for vertical wells in the East Irish Sea and Liverpool Bay, deviated appraisal wells in the Southern North Sea and more recently **exploration** wells in the Northern and Central North Sea. Worked on the Bredford Dolphin semi-submersible, GSF Labrador (SNS) and Noble Lynda Bossler (Liverpool Bay). Duties include: Writing performance reviews. Compiling detailed phase reviews. Completing daily drilling reports (WellView). Maintaining EOWR daily summary. Updating well files, eg: TVD monitoring, general well files, etc. Casing / liner tallies and space outs. Cement, displacement and test volume calculations. Witnessing and reporting pressure tests, FIT / LOT. Hydraulics and torque and drag modeling / analyses. Logistics co-ordination (offshore) liaising with onshore Materials Controller and drilling contractor based Storeman. Updating inventory to keep an accurate record of operator s materials on the rig. Implementing Drilling Supervisor s daily work instructions. General assistance to Drilling Supervisor. H2S training implementation and drills. Working with rig crews and service providers to expedite project in a safe manner.

Drilling Consultant

ERP0070

* 4 Years as Africa Region Operations/Drilling Manager with semi-sub, jack up and remote land **exploration** drilling in Congo and DR Congo for SOCO International.

* Successful project to drill and complete 2 HT gas wells in remote onshore location near Somali border. Project is appraisal of **exploration** discovery in 1971 during which well was lost due to well control issues.

* 2 weeks in Country. Planning and management of mining **exploration** drilling and operational establishment in central DRC (environmentally sensitive area). Various planning, design and programming re: Kenya, Tanzania, Ethiopia, NZ and Chad

* Evaluating and scoping of slim hole drilling stratigraphic and **exploration** wells for East African rift basin. Rig inspection and project planning for Ethiopian remote **exploration** project. Consulting on commissioning/development/marketing of offshore waste recycling technology, hydrocarbon removal from drilling fluid waste, Gulf of Mexico. Drilling Manager onshore appraisal well for Ndovu (Aminex) in Tanzania. August 2016 to March 2017.



- * **Exploration** well campaign planning in Ethiopian Rift valley including site/route field selection, planning, contractor selection and program.
- * Gazprom Neft Sakhalin (Norwell): 2014 Peer Review Audits of jack up **exploration** well in Russian Artic (Pechora Sea),
- * **Exploration** well with 2000HP Chinese rig.
- * Coordinated team of engineers/well site supervisors reporting to local company managers and Moscow corporate team, to ensure expansion and efficient execution of sidetrack programme. Project grew from 3 rigs to 35 rigs over the period. Also compiled and instituted various corporate standards and procedures. Duties also included supervision of well control incidents for all sidetrack, work over and **exploration** rigs including relief well drilled at blowout on Vannyoganeft field.
- * 2 well underbalanced drilling project, 1 **exploration** well and HWU investigation of old land well. Underbalanced wells based on concentric injection of produced gas and Williams RCH.
- * Drill Ship based single **exploration** well offshore Oman.
- * Amoco (UK) **Exploration**: 1988 1989 Drilling Technical Assistant (Great Yarmouth)

Drilling Consultant	ERP0071
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- * Special focus on MLS **exploration** well which required immediate P&A (drilled 1978) open water with Jack Up
- * 2011-2015 GDF Suez (Engie, JX Nippon) Aberdeen, UKCS / SNS HPHT Senior Drilling Supervisor / Engineer- Jack-ups **Exploration** and Development wells
- * Lead as SDSV to execute HPHT **exploration** and development wells in Permian-Triassic carbonate reservoirs, completion of this 5 well HPHT HDJU campaign placed GDF in the top quartile and leading performance based on Rushmore. (all wells >19,000ft 215degc) Abandon wells as per UK standards

Economics Consultant	ERP0072
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- * Broad client base, having delivered projects across the world for acquisitions, development economics, **exploration** economics, competent person s reports, due diligence etc.,
- * In addition, commercial advice was provided on many projects and work included economic valuations of companies, assets and **exploration** portfolios for a wide range of companies and financial institutions in a variety of countries and fiscal regimes.
- * Provided analytical support for acquisitions, asset sales, farm-ins and **exploration** ventures
- * Member of the Petroleum **Exploration** Society of Great Britain



Economics Consultant	ERP0073
<p>* RAK Gas, formerly Ras al Khaimah Gas Commission, was established in the year 1984 by Emiri Decree number 14/84 issued by the ruler of Ras al Khaimah and its dependencies. RAK Gas aims to provide the Emirate of Ras al Khaimah with a consistent and secure supply of energy as well as generate growth and revenues for its government. Its core business is to source and market natural gas. Its E&P Portfolio includes interests in a number of exploration-stage blocks in Ras al Khaimah and Africa.</p> <p>* Jun 1999 Sep 2003. Philippine National Oil Company Exploration Corporation. Finance & Planning Analyst, Corporate Planning & Finance - Philippines</p> <p>* PNOC Exploration Corporation is the upstream oil, gas and coal subsidiary of the state-owned Philippine National Oil Company.</p> <p>* Progressed on various projects in corporate planning, corporate finance, project evaluation & budgeting, development and joint venture contracts. Assisted project managers in planning, organising and controlling the business aspects of petroleum exploration and development, coal exploration, development and marketing, business pipeline and other energy projects and developed financial models.</p> <p>* Member, Southeast Asia Petroleum Exploration Society</p> <p>* Geology for Non-Technical staff, South East Asia Petroleum Exploration Society- Singapore 2007</p>	
Economics Consultant	ERP0074
<p>* Studies undertaken through the full life cycle of upstream exploration, development and production.</p> <p>* Work with Metier (acquired by RPS) to support the Risk management implementation project for an Integrated Oil & Gas company with oil and gas fields and refinery in Europe Undertook and completed studies through full life cycle of upstream exploration, development and production.</p> <p>* Confidential Client due diligence review of the Refinery Expansion Program (REP). Undertook and completed studies through full life cycle of upstream exploration, development and production.</p>	
Geology Consultant	ERP0080
<p>* 1979-1990. BNOG/Britoil/BP Exploration. Multiple Positions. UK</p> <p>* 1979 1982 Exploration Geologist, BNOG</p> <p>* UKCS Exploration Groups, Glasgow and Aberdeen : Prospect evaluation, well evaluation and regional reviews in the North Sea, West of Shetland, the South West Approaches and onshore Southern England. Wellsite and operations geology.</p>	



<p>* Director of PESGB (Petroleum Exploration Society of Great Britain) 2000-2001 and 2009-2011 (President in 2010)</p> <p>* Assisting with the implementation of a professional development training course for petroleum explorationists</p>	
Production Chemistry Consultant	ERP0085
<p>* Production chemistry lead for giant deepwater development in new exploration basin. Waxy condensate, PVT interpretation, MEG-loop chemistry and water management challenges.</p>	
Reservoir Engineering Consultant	ERP0088
<p>* Trintex oil field, Trinity exploration and Production; General reservoir engineering support for an offshore field. Activities included field production performance analysis and technical reporting to the asset team.</p>	
Reservoir Engineering Consultant	ERP0089
<p>* Energy Focus: PP input for submission to 1st exploration licensing round, Chile.</p> <p>* Newfield Exploration: Reviewed exploitation opportunities within UKCS Southern Gas Basin.</p> <p>* Supernova Inc: Technical Advisor on exploration ventures in South Texas & Oklahoma.</p> <p>* M RSK OLIE og GAS (Jun 02 to Apr 03): Exploration Group</p> <p>* Reservoir studies include IOR projects in Kazakhstan, Turkmenistan & Brazil, marginal field development in the UKCS & Libya, & exploration acreage evaluation in Brazil, Syria & Congo, plus brown field development in Latin America.</p> <p>* Member of the UK exploration team, advising on logging & testing issues concerning their Palaeocene reservoir targets.</p> <p>* Staff PE/PP (Sep 95 to May 97): Black Sea. IOR study, onshore Romania. RE studies on Doina & Galata gas discoveries. Instigated use of local rigs to reduce overheads & increase prospectivity. Exploration acreage evaluation in Albania & Greece.</p> <p>* Senior PE/Economist (Aug 90 to Oct 91): UK Prospect Evaluation. Evaluated individual UKCS prospects. Performed generic basin studies to optimise future cash flows from exploration acreage. Asset rationalisation using prospect inventory to formulate asset swap strategy. Provided reservoir engineering & petrophysical support to acquisition teams.</p>	
Reservoir Engineering Consultant	ERP0090
<p>* Mature Asset Re-development * Nodal Analysis * Field Performance Monitoring & Analysis * Reserves Evaluation * Integrated Asset Modeling (IAM) * Production Forecasting * Gas Deliverability Management * Exploration Prospect Evaluation * Pressure Transient Analysis *</p>	



Economic Analysis - Worked closely with G&G and Production teams having considerable interaction with parent company and JV partners

* On secondment: Manage IAM s and run for various scenarios. Actively participate in TCMs. Run development sensitivities in the simulation model to quantify material impact on medium term production goals and ultimate recovery VIP, PROSPER, MBAL, GAP 2007; Petrofac: West Don Well Test Analysis Run PTA of 4 DST s on 2 expl/appr wells. Determined the reservoir properties and reconciled with the core data. Identified uncertainties in the data quality and made recommendations for future well tests SAPHIR, PROSPER 2007; Ithaca Energy: Athena Well Test Analysis Conducted pressure transient analysis of the **exploration** well. Generated multiple concepts to define reservoir characteristics, improved the understanding of reservoir heterogeneity and reflected them in the geostatistical model SAPHIR, PROSPER 2007; Serica Energy : Columbus Well Test Examined multiple well testing strategies for a range of possibilities to allow effective test design ECLIPSE, SAPHIR 2011; Iona Energy: West Wick Development Sensitivity study to evaluate the well placement.

* Run high level engineering and economics analysis of **exploration** prospects and run the ranking

Reservoir Engineering Consultant

ERP0091

* Provided RE support for several Russian **exploration** prospects, using analogue data, decline curve analysis, PROSPER, MBAL to evaluate economic viability

Reservoir Engineering Consultant

ERP0093

* Categorize and quantification uncertainties, probabilistic assessment, and forecast of the recovery envelop under water flooding for **exploration** prospects (TAQA)

Reservoir Engineering Consultant

ERP0094

* Provided engineering support for Ophir s **exploration** portfolio, including Mexico, W Africa and Asia blocks, looking at potential development plans, recovery factors and production profiles.

Reservoir Engineering Consultant

ERP0096

* Worked as reservoir engineering team leader and provided technical support for **exploration** and development projects.

* "Fluid Geology in Petroleum **Exploration**", ELF, Baghdad.

Reservoir Engineering Consultant

ERP0100

* Strong technical skills in reservoir engineering with more than twenties two years of experience in the Oil and Gas E&P industry, specifically in (**exploration**, exploitation of mature fields, field development planning, forecast production, fluid property analysis, material balance and inflow/outflow analysis).



<ul style="list-style-type: none"> * Review, analysis, validation and compilation of reservoir data (fluid properties, pressure measurements, per each horizon of Karaton-Sarkamys (exploration area) * Support the analogue evaluation by providing key production controls from the reservoir and delivering commentary on the risks to be expected and their potential impact (exploration area) 	
Geophysics Consultant	ERP0103
<ul style="list-style-type: none"> * 1995 - 1995. RTZ Mining and Exploration. UK. Field Geophysicist. * EM and Magnetic surveying over mineral targets, principally kimberlite identification for Diamond exploration * Tullow Principal Geophysicist responsible for exploration geophysics de-risking and design worldwide. 	
Geophysics Consultant	ERP0104
<ul style="list-style-type: none"> * Duties included technical oversight of all aspects of research geophysics from exploration through to monitoring, including technical adviser for high-performance computing within PETRONAS. * Member of most senior exploration technical team approving international and domestic well locations, acreage acquisitions and relinquishments. * The department provided a service to international, exploration, production and development and reported to the research center in Houston. * Worked on geophysical aspects of all Hess international acreage and exploration opportunities in the North Sea, West of Shetland, Faroes, Norway, Denmark, Algeria, Brasil, Gabon, Malaysia, Falklands, Thailand, Australia, Indonesia and Vietnam. * Geophysical involvement with successful Malaysian exploration campaign and pioneered successful use of PSDM in Vietnam acreage including technology presentations to international partners. * Completion of over 100 in-house special projects in order to assist exploration teams, particularly for licensing rounds. In conjunction with Horizon commissioned first onboard 3D near trace cube processing including migration. * Supervised processing of five exploration 3D surveys and several 2D surveys. Established AHL in-house processing using Apollo DN10000 supercomputer and in-house AHC software. 	



Geophysics Consultant	ERP0105
<p>* 2011. Datum Exploration. Canada. Operations Manager.</p> <p>* Liaison with other Ministries (Finance, revenue, Environment, N. Rift) in connection with duty free importation of exploration equipment (including subcontractors) and other aspects of the exploration program.</p> <p>* Company representative for Scout Meetings and OSSCC (Exploration Company lobbying group).</p> <p>* 2003 - 2004. Dome International. UAE. Exploration Advisor.</p>	
Well Engineering Consultant	ERP0107
<p>* Exploration, appraisal, development,</p> <p>* Designed and programmed 3 wildcat exploration wells to be drilled in 2010 by the Diamond Offshore semi-submersible rig Ocean Guardian off the Falkland Islands (North Falklands Basin) in 400m water depth. Input into 2,000m + water depth wells off West Africa.</p> <p>* Responsible for the design, planning, preparation, readiness and execution of 4 exploration and appraisal wells offshore in Bass Strait and 2 wells offshore New Zealand to be executed in 2009 & 2010 by the semi-sub MODU Kan Tan IV. Preparation for optional deep water (1,000m) well in Canterbury basin (NZ).</p> <p>* Planned and operated one vertical exploration well in Southern North Sea (44/17-D Clark).</p> <p>* Responsible for well design of a near shore English Channel exploration well in Block 97/12. Design aspects included integration of environmental studies and government regulations as well as normal well planning. Contributed to the design of an HPHT well in Block 30/19.</p> <p>* Worked in Djerba, Tunisia. Basinal study of the Golfe de Gabes for input into a well s basis of an exploration and appraisal of a potential development offshore on the boundary between Tunisian and Libyan territorial waters.</p>	
Economics Consultant	ERP0112
<p>* Provide economic, accounting, treasury and risk modeling and corporate strategy and decision-making consultancy work to clients in the U.S., the U.K., Canada, Australia, the Middle East and Africa. Client group includes exploration, petroleum production and mining companies.</p> <p>* Negotiated production sharing contracts for exploration acreage. Responsible for long-range plan, economic evaluations and major project reviews for Algerian assets. Designed and created first parameterized models of company s Algerian assets. Trained economic analysts in modeling and analysis.</p>	
Petroleum Engineering/Transition Consultant	ERP0113



* **Exploration**, Characterisation and Development of Deep Geothermal Reservoirs

* Module Leader: Sustainable and Conventional Energy Technologies (MBA in Energy); Geothermal **Exploration** (M.Sc. in Geothermal Engineering); Geothermal Drilling and Production (M.Sc. in Geothermal Engineering); Geothermal Heat Pumps, District Heating and Direct Use

Petroleum Geochemistry Consultant

ERP0114

* Geoscientist with 35 plus years experience in **exploration**, production, and research with a large independent, major integrated oil and gas company, and university research institute.

* Provided integrated petroleum geochemical services for **exploration** and production teams. These projects include interpretation of molecular geochemical data for oils, gases, and rocks; source rock assessment; surface geochemical surveys, reservoir geochemistry, fluid quality assessment, basin modeling studies, prospect charge analysis, petroleum systems evaluation, and unconventional resource play sweet spot analysis.

* Developed surface geochemical protocols currently used by ExxonMobil and other companies for worldwide frontier **exploration** programs.

* Project geochemist/hydrocarbon systems analyst for Alaska, California, Russian, Kazakhstan, Azerbaijan, Nigeria, Angola, Canada, Turkmenistan, North Sea (UK and Norway), Greenland, and Malaysia **exploration** teams.

* Apache Corporation - **Exploration** and Production Technology Houston, Texas. Manager Petroleum Systems

* Manager Petroleum Systems building a petroleum systems/geochemistry **exploration** and development program for Apache's **Exploration** and Production Technology Department. My team provided technical support throughout the company as well as developed workflows and new technology. I was a working manager spending most of my time working on petroleum geochemistry data to address **exploration** and development issues (charge analysis, gas versus oil, field segmentation, sweet spot identification, and new ventures). Most of my recent work has been focused on North America unconventional systems concentrating on Permian Basin, EagleFord, and Anadarko Basin. I also worked international petroleum systems play analysis in Canada, Australia, Argentina, Suriname, Egypt, and North Sea.

* Exxon Corporation (**Exploration**, Production, and Research) Houston, Texas. Senior Research Scientist/**Exploration** Geologist-Geochemist

* While at ExxonMobil, I worked in the **exploration**, development, and research companies as a geologist and petroleum geochemist. My job was to provide petroleum systems and geology support for the **exploration** and production teams as well as develop new methods and workflows for ExxonMobil s affiliate companies. I worked **exploration** and production projects for onshore and offshore Alaska, California, Russian, Kazakhstan, Azerbaijan, Nigeria, Angola, Canada, Turkmenistan, North Sea (UK and Norway), Greenland, Indonesia, Australia, and



Economics Consultant	ERP0115
<ul style="list-style-type: none"> * Drawn up together with ecological Institute the economical part of the Pilot exploration project * Work program preparation based on the Pilot exploration project (design project) 	
Geophysics/Geomechanics Consultant	ERP0117
<ul style="list-style-type: none"> * Quantitative geophysicist with strong technical background in velocity modeling, seismic rock properties, pore pressure and geomechanical analysis obtained through +30 years of energy industry experience. A proven track record in applying geophysical technology to create value in exploration and field development, both onshore and in deep water. * Managed a team of geoscience specialists providing global support to exploration, development and drilling engineering teams * Technical advisor to both exploration and development management in deep water Gulf of Mexico * Provided velocity modeling for time-depth conversion/depth uncertainty analysis in support of deep water exploration and field development 	
Reservoir Engineering Consultant	ERP0118
<ul style="list-style-type: none"> * Lead Reservoir Engineer on early appraisal of deepwater blocks, immediately post initial exploration success. Responsibilities including planning for DST in multi-stacked sand system, selection of appraisal well location, initial development concept screening and selection (long tie back to existing facilities) and year end resource reporting. 	
Facilities Consultant	ERP0119
<ul style="list-style-type: none"> * Managed new country entry for Dana, accountable for exploration, operation and business development in country. Annual capital budget of up to \$200mln plus P&L accountability for operations. 	
Well Engineering/Drilling Consultant	ERP0120
<ul style="list-style-type: none"> * Office based (Aberdeen and Israel) Senior Drilling Engineer (SDE) on the deep water (+/- 1750m) Karish development and exploration wells in Israeli waters. Duties performed were typical of the SDE role included well design, programme compilation, government submission, time and cost estimates and operational duties. Project was ultimately cut short due to Covid outbreak. * Working on behalf of the Operator Svenska Petroleum to develop well plans for an environmentally sensitive exploration project in the Swedish Baltic Sea. No wells had been drilled in the Swedish sector since 1987. 	



Reservoir Engineering Consultant	ERP0121
<p>* Field development planning and exploration prospect support in Poland and Turkey. Carried out reservoir evaluation for exploration, appraisal and development phases of prospects and leads.</p> <p>* Advised clients on the selection of assets for acquisition. Managed the exploration geoscience, field development planning and project economic analysis.</p>	
Geology Consultant	ERP0125
<p>* Near field exploration and stranded discovery evaluation for the 12th Offshore Licencing Round</p> <p>* Working with the exploration team, joint venture partner and in-country operations team on exploration & appraisal well planning and execution on the Twiga, Amosing, Ngamia, Ekaes, Etom and Agete discoveries</p> <p>* Lead geoscientist for operated Cameron exploration gas discovery (44/19b-7)</p> <p>1997 1999. Fina Exploration (UK) Ltd, London. Geologist.</p> <p>* Graduate Geologist in exploration and production consulting business team</p>	
Geology Consultant	ERP0128
<p>* Building and matching IPM GAP integrated model including 9 fields (gas and condensate) for exploration/development decision</p> <p>* Exploration prospects: fit for purpose approach: Eclipse models built to cover uncertainties analysis and possible scenarios or MBAL/Prosper and DCA benchmark (type curve) to generate production profiles.</p> <p>* TCM rep: Technical approvals for BG interest- exploration & development wells approvals in J - block, Jade, Elgin/Franklin(HPHT)</p> <p>* 2000: ELF Exploration UK, Geoscience Research Centre, London,United Kingdom</p>	
Well Engineering/Transition Consultant	ERP0129
<p>* Trainer/Coach for well and drilling engineering aspects. Well design for deep water exploration in GOM related drilling systems.</p>	
Geology Consultant	ERP0130
<p>* Worked in-house on full exploration-development life cycle projects, both large and small projects for many international oil companies since 1990, as well as companies ranging from independent oil companies to service companies, start-ups and investment companies.</p> <p>* Calculating risked reserves for the leads, prospects and discoveries, then advising on an exploration / development program.</p>	



- * Due diligence reporting and reserve auditing on a variety of **exploration** and production licences. Examples: numerous in North Sea and Africa.
- * Managerial work: finding, setting up and budgeting teams of people to work together on all aspects of the **exploration** life cycle.
- * Due diligence reporting on a variety of **exploration** and production licences in Africa - 2015
- * E.ON 3D interpretation, structural mapping and sequence stratigraphy within the prospective Paleocene interval of a huge 28,000 sq. km volume West of Shetlands. Then following an examination of the ~170 wells in the basin and an acquired understanding of the basin s remaining prospectivity, gross depositional environment maps, prospect mapping and presentation for further **exploration** work. October 2013 October 2014.
- * PKN Orlen mapping several licences Onshore Poland for new leads, then designing a seismic acquisition and reprocessing program. Calculating risked reserves for the leads and advising on an **exploration** program (Summer 2009 February 2010).
- * Cairn Energy Regional basin re-mapping, including detailed structural work, sequence stratigraphy and **exploration** for new plays, leads & prospects. Merging multiple 2D/3D datasets on Kingdom. Rajasthan, Onshore India (March-November 2006)
- * BP Play fairway mapping, sequence stratigraphy and prospect **exploration** using 3D West Shetlands (October-March 2006).
- * UK Promote Round seismic stratigraphy and **exploration** mapping of Viking Graben, North Sea (early 2003)

Geology Consultant	ERP0131
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- * Worked on many different basins and geological environments, from **exploration** & appraisal projects to development and abandonment campaigns.
- * Work in collaboration with **Exploration** teams to high grade prospects in the portfolio by identifying potential pore pressure- fracture gradient (PPFG) showstoppers.
- * Well planning for high pressure **exploration** and development wells for the Azerbaijan and Jordan business unit (BU).
- * Jordan (2010-2012 / onshore): Risha field: 2 **exploration** wells (BP).

Data Management Consultant	ERP0132
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* Former international **exploration** geologist since retrained and working in database development, data management and analytics for over 20 years. Currently Application Product manager. Full product lifecycle management experience with a geotechnical data management application. Agile development, sales support, implementation, training and support to E&P



companies around the world. Bridging customers and developers. Exceptional global customer relationship management skills.

* Primarily responsible for managing **exploration** assets in Tunisia and Trinidad. Represented the company to partners and state authorities and directed internal and external resources to efficiently explore and manage the acreage.

Data Management Consultant

ERP0135

* Delivered sustained value for 300 data customers in BP s **Exploration** & Technology businesses.

* Created a new collaborative cloud based Knowledge Management system for BP s **Exploration** & Technology Functions - estimated at \$25m of value per year.

* BP Digital Lead, **Exploration** and Technology, August 2016 December 2020 [staff]

* Created and implemented transformative and innovative data and information cloud-based home solutions for **Exploration**'s most valued knowledge and information.

* **Exploration** Data Manager (Russia & Caspian Asset) - Shell, The Hague, January 2007 June 2011, contractor.

Geology/Transition Consultant

ERP0136

* 39 years of expertise in geoenery delivery, technology and research. Much of that experience is in petroleum development and production.

* 11 years experience in geothermal energy including drilling two deep research wells. In the past 8 years I have worked extensively in carbon capture and storage including operations.

* Led the team which developed and successfully tested a model for helium **exploration**, delivering the first new helium province in decades. My research interests also include human induced seismicity and earth movements. I have co-founded 5 energy companies and 3 other technology-driven companies and I work across the academia/industry boundary.

* 28 years experience in the petroleum industry

Geology Consultant

ERP0137

* Specialities Development and **Exploration** Geology,

* A principal Development/**Exploration** Geologist and Specialist in Fractured Reservoir Development and 3D Modelling. Brings 35+years experience in the oil and gas industry. He has been responsible for studying and managing many major development and **exploration** projects worldwide, including Middle East, North Africa, India and Pakistan, Central Mid Asia. North Sea and Northern North Sea and Trinidad Tobago, etc.

* Undertaking comprehensive development and **exploration** studies with responsibility for full-field 3D fracture reservoir modelling for flow simulation and in-fill development drilling and



production enhancement projects as well as construction of Geo-cellular models and participated in several detail assets evaluation (CPR) projects. Achievements included:

* Appointed as Principal Geologist and Head of Fractured Reservoirs Development Team to work on comprehensive development and **exploration** studies and was responsible for many full-field 3D fracture reservoir modellings for flow simulation as well as in-fill development drilling and production enhancement projects:

* Produced an **exploration** potential evaluation report of the area as well as three detailed CFDP reports for three stacked reservoirs discoveries in the West Rub-al-Khali basin in the western part of UAE.

* Worked as the project manager and principal development/**exploration** geologist responsible for study of the Pre-Caspian Basin **exploration** and development potentials and resource evaluation of 10 very large blocks in East, North East and Northern part of the Northern pre-Caspian Sea Basin for the KazMunaiGas in the Kazakhstan client was very appreciative of this study and send us a work recommendation letter

* Worked as a principal development/**exploration** geologist responsible for studying the development potential of several fields/prospects in the Gulf of Gabes (Tunisia Sfax Offshore Concession) for Petrogas company - received an appreciation from the client on the work

* As project manager and principal development/**exploration** geologist, led the **exploration** potential analysis of Galeota Block and on the Trinity Field Development Planning (FDP) in Trinidad

* Produced an **exploration** and development risk analysis for several fields, numerous prospects and leads for the whole East and West Coasts including fields and prospects in in the northern part of western continental margin of India, helping the company to prioritise its investment in oil and gas in India

* Led an **exploration** project in Australia, resulting in a changed **exploration** programme and the discovery of new gas fields.

* Provided a regional study of the hydrodynamic conditions, evaluating the impact on development and **exploration** of oil and gas reservoirs in whole SW Iran, SE Iraq and the Persian Gulf.

* Worked as a well-site geologist on several onshore oil and gas **exploration**/development wells and in the tectonic and Seismo-tectonic department which covered the whole country.



Geology Consultant	ERP0138
<p>* Throughout out my professional career I have been driven by an interest in the interface between technical Geoscience research and its application to industry problems. Over the past 20 years I have proven, extensive experience of working with a wide range of industry stakeholders including super-majors, majors, NOC, Government Agencies. Project scopes have ranged from Reservoir Structural Geology and Geophysics to basin screening and frontier exploration.</p> <p>* Devising and delivery of Geoscience training courses informed by technical excellence application of world leading research in frontier exploration and prospect generation</p> <p>* Led the significant expansion and diversification of the world-leading and unique MSc programme. The programme provided indepth training on the understanding and reduction of uncertainty in sub-surface exploration, reservoir structural geology, restorations, geomechanics and structural uncertainty. The scope of the programme was continually under review with direct involvement of industry stakeholders through an External Advisory Board (including Shell, BP, Exxon, ConocoPhillips, BGS, Maersk) which I established.</p> <p>* 3D structural model of the Lenghu 5 field, which comprises a high angle controlling fault at depth and a decoupled shallower heterolithic sequence. Project involved developing multiple structural models of the exploration target using available seismic data with well ties with a focus on understanding the poorly imaged triangle zone in the steep, frontal limb. Areal imagery was interpreted to consider reservoir scale structural complexity, not evident in the seismic, with a specific focus on understanding reservoir connectivity and compartmentalisation. Multiple parallel 2D cross-sections were constructed and restored to constrain lateral variability of structural styles and assess along structure prospectivity.</p>	
Petroleum Engineering Consultant	ERP0139
<p>* A Petroleum Fluids expert with diverse experience in the oil industry. Worked in upstream R&D and progressed to provide technical support across a wide range of exploration and production activities. He has worked as Petroleum Engineer and specialised in Reservoir Fluid behaviour and calibration of reservoir simulation models. Specialisations include reservoir contaminants, phase behaviour, petroleum migration and linking geochemical clues with PVT modelling. Projects range from miscible hydrocarbon flooding, modelling lateral H2S variation across reservoirs and quantifying the effects of petroleum migration. He has experience in simulation and PVT studies and the capture and QC of welltest data for field development.</p>	
Geophysics Consultant	ERP0141
<p>* Detailed 3D & 2D interpretation of the Ghrib concession, Zaafrane and Douiret exploration licenses, onshore Southern Tunisia.</p> <p>* 2016 to Present: Azores Energy Lisbon, Portugal Head of Subsurface Operations and Exploration</p>	



- * Risk analysis of TXM s **exploration** portfolio in South East Hungary. (TXM is a 100% Hungarian subsidiary of Falcon)
- * Evaluation of several **exploration** assets in Tunisia and Italy.
- * Data room analysis of **exploration** assets held by Cooper Energy Ltd Offshore Tunisia (Bargou permit)
- * Structural and stratigraphic reinterpretation of the Grondin and Gonelles oil fields and prospect generation in the surrounding area. Data base includes a recently reprocessed 3D survey and approximately 60 **exploration** and production wells.
- * Structural and stratigraphic reinterpretation of the Mandaros and Barbier fields and their adjacent areas. Data base includes a recently reprocessed 3D survey and approximately 50 **exploration** and production wells.
- * Responsible for acquisition of new **exploration** acreage in Egypt. Did an overall study of the offshore area that encompasses the eastern part of the Nile delta and the northern Sinai up to the Israeli/Gaza border and also conducted fast deep offshore evaluations.
- * Job consisted in reviewing the prospects, visiting the affiliates and making sure that all **exploration** projects were consistently risked and comparable from one geographic area to another one.
- * 1996-1998 EXXON **EXPLORATION** COMPANY, Houston, Texas, USA
- * Responsible for **exploration** in the deep offshore Congo (West Africa)
- * Senior **Exploration** Geophysicist: Responsible for prospects generation in the Malay basin (PM5 and PM8)
- * Project Leader, Geophysical Methods: Responsible for the implementation of new interpretation technologies for all the **exploration** projects, which additionally included some specific studies.
- * Frontier **Exploration** Geophysicist: Responsible for the interpretation and report write-up leading to block application in the Norwegian sea (8th, 9th, 10th round) and in the Barents sea (11th round)
- * **Exploration** Geophysicist: Responsible for prospects generation that led to the drilling of six wildcats (two of them were marginal discoveries).
- * Geophysicist interpreter: Responsible for prospect generation in several **exploration** permits in the Aquitaine and Paris basins and in the Biguglia basin, off Corsica.
- * Involved in a Technical Cooperation program between the French Ministry of Foreign Affairs and the Peruvian Ministry of Agriculture. Job consisted in introducing and implementing the use of



geophysical methods for groundwater **exploration** in the desertic coastal area of Peru, and also in training and mentoring several Peruvian engineers.

Reservoir Engineering Consultant

ERP0143

* Well Test support for **exploration** in tight rocks: KNOC, Kurdistan

* Active RE support for the **Exploration** Asset : Interpretation of DST / Isochronal tests, Deep gas deliverability assessment,

Petroleum Engineering Consultant

ERP0144

* Support as required the assessment and evaluation processes for new **exploration** blocks and/or new business opportunities

* (RC Model) Twelve (12) unique simulation models were integrated. Those 12 models combined twenty-five (25) gas fields (developed, **exploration** , lead and prospect)

Production Technology Consultant

ERP0148

* Non-Operated Assets Representative: Represent Eni UK Limited at joint venture (JV) partner meetings (TCM, DCM et al). Technically review all operations, from HPHT **exploration** drilling to HPHT field development plans and advise the Drilling Manager, Development Manager & Managing Director of Eni UK Limited.

* Maersk North Sea Oil (UK) Limited Culzean HPHT prospect **exploration** & development (HPHT Coring & well testing)

* Total **Exploration** & Production UK Limited Elgin Franklin & West Franklin HPHT field development (Live annuli management philosophy & well integrity, geo-mechanical failure evaluation)

* BG Group HPHT **exploration** well test basis of design.

* Talisman Energy NORGE AS HPHT **exploration** well test basis of design

* Nov 03 Nov 04 EPT - BP **EXPLORATION** OPERATING CO LTD

* Worked with operator engineers to review the well basis of design to identify the equipment types/products which would be fit for purpose (metallurgy, elastomers). Analysed the mechanical performance of the completion equipment and connection types relative to the in-situ loads generated over the expected life cycle of the well. Risk reviewed completion programs prior to the installation of the equipment, to ensure no crew member carried out an unsafe act or potentially damaged the equipment. Advise on contingency planning and attended pre-completion meetings. Client Accounts: BP **Exploration** Operating Company Limited, Talisman Energy Limited, Amerada Hess Limited, DNO Limited

* Clients: BP **Exploration** Operating Company Limited, Statoil, Baker Hughes Inc, Conoco Limited



Geology Consultant	ERP0155
<p>* Statoil, Nigeria, Namibia Exploration, BP & Statoil joint venture, 2D model.</p> <p>* Norsk Hydro, North Sea. Participation in Norsk Hydro Exploration Department s 15th and 14th Round Work. 2D modelling to create layer cake models using the software s internal programming language, report volumes and volume vs depth profiles.</p>	
Geophysics Consultant	ERP0156
<p>* Seismic interpreter experienced in 2D/3D/4D exploration and development of oil and</p> <p>* Coordinate cross-functional team to assess the economic attractiveness of exploration</p> <p>* Conduct exploration prospect assessment in West Of Shetland Technical Lead and</p> <p>* Consultant in Geophysics for different international companies to carry out exploration and development projects in different geological settings (Africa, Middle East, Ukraine and</p>	
Geology/Transition Consultant	ERP0157
<p>* Baker Atlas GEOScience, Oman - Chief Development Geologist and Wireline sales manager 2000-2002 Dragon Oil, Dubai - Subsurface Supervisor and Lead Geologist for Cheleken field, Turkmenistan</p> <p>* 1998-1999 Premier Petroleum, Myanmar - Development Lead for the Yetagun Gas Field 1995-1998 Kerr McGee Oil, UK - Subsurface Lead for the Janice Field appraisal and development programme 1995 Quad Consulting, Equatorial Guinea - Geological Advisor to the Ministry of Mines</p> <p>* 1993-1995 Deminex Norge, Norway - Area Exploration Geologist for South Viking Graben</p> <p>* 1989-1993 Sovereign Oil and Gas, UK - Lead Development Geologist for JV fields</p>	
Geophysics Consultant	ERP0159
<p>* Geophysicist with 30+ years of experience in both exploration and development projects applying a full range of geophysical technologies from seismic interpretation to detailed QI-work with a strong focus on integration of disciplines. Exposure to different geological settings, mainly with clastic reservoirs but also with chalk deposits, also including complex compressional faulting and highly remobilised reservoirs.</p> <p>Exploration</p> <p>* 20 years in exploration from play fairway analysis, license applications, prospect generation to well planning and execution. Organised and headed all peer reviews in the exploration</p>	



department with a focus on quality assurance, conformance to company standards, risking and volumetrics.

DONG Energy. Chief Geophysicist **Exploration** department.

* Siri Canyon **exploration**

* Creation of standards and procedures for **exploration** workflows. Responsible for introduction of Bayesian risk modification for DHI supported prospects. The method was adopted by DONG Energy after thorough evaluation and review by Rose & Associates.

DONG Energy. Senior **Exploration** Geophysicist.

* Involved in **Exploration** work in Denmark, Norway and West of Shetlands (WOS) Main projects:

Danop. Senior **Exploration** Geophysicist

* Danop was jointly owned by DONG and DENERCO and operated several Danish **exploration** licenses on behalf of the license groups which included international oil companies.

Responsibilities included:

* **Exploration** geophysicist on several licenses offshore Denmark (both operated and non-operated).

Geophysics/Asset Management Consultant

ERP0160

* BP **Exploration**, Aberdeen. Seismic Delivery Manager, North Sea

* BP Egypt, Maadi, Cairo. **Exploration** and Appraisal Coordinator, A&D Manager

* Coordinate **Exploration** activity and assurance program. Manage prospect portfolio.

* BP **Exploration**, Wytch Farm, Dorset, UK. Senior Geophysicist, Subsurface Team Leader for secondary reservoirs

* BP **Exploration**, London. Geophysical Research and Development

Seismic Consultant

ERP0161

* Frontier **exploration**, development, and production with 2D / 3D / 4D marine, land and OB datasets

Well Engineering Consultant

ERP0162

* Sasol **Exploration** and Production Inc., London, UK. Senior Drilling Engineer



Biostratigraphy Consultant	ERP0163
<p>* Senior Exploration Geologist at Galp Energia E&P. Portugal</p> <p>* Galp Energia E&P, Portugal. Senior Exploration Geologist</p> <p>* Applied Biostratigraphy and Sequence Stratigraphy in Oil Exploration & Development course lecturer. Face to face and online. Glomacs, Ingeoexpert and University of Lisbon. 5 days.</p>	
Petrophysics Consultant	ERP0169
<p>* Thailand Salamander. Continued Bualuang Development, geo-model checksums, Khorat tight carbonates, numerous exploration well operations. Drilling, FMI, Sonic Scanner, NMR, core integration. Straight, high deviation and horizontal wells, LWD & WL.</p> <p>* Vietnam PEDCO. Typical S.E.Asia freshwater, stacked shaly sands. Sw, Netpay, testing/perforating recs. RCI, CBIL Image Log, WS Sw</p> <p>* Worked as an already qualified petrophysicist in the Exploitation Dept in field development teams consisting of managers, geophysicists, geologists and reservoir engineers. Amethyst, Drake, Brent. Work embraced reservoir engineering and the field development economics. Projects included a Department of Energy gas/condensate Annex B, equity re-determinations and in-house sensitivity studies. Represented Amoco at equity meetings and worked on equity agreements. Role required knowledge of evolving petrophysical techniques and spanned exploration, reservoir geology, and reservoir engineering.</p>	
Well Engineering Consultant	ERP0172
<p>* On a 28:28 rotations basis, based in Tunis, to support the field activity of PA Resources. The activity included WO operations re-entry, exploration well testing activity and appraisal/development wells in their off shore block.</p> <p>* On a 28:28 rotations basis, initially based in Ankara and currently in Erbil, to support the field activity of Genel Energy in Kurdistan. The activity include testing and completion operations for development wells, appraisal and explorations wells. A variety of reservoir conditions are present in Kurdistan, mainly Limestone reservoirs with a wide spectrum of bottom hole conditions, from normal pressure regime to HP/HT bottom hole conditions. Typically H₂s & CO₂ contents are both high requiring a careful materials selections and specifications. The area of operations is in the vicinity of sensitive locations with environmental constrains that makes challenging the drilling, completion and testing of these wells.</p> <p>* On a 28:28 rotations basis, in Abidjan, to support the field activity of FoxTrot International in the Block CI-27, off shore Ivory Coast. The campaign foresees the drilling of two ERD extended reach wells (6800mTD with 78-80 Degrees), two horizontal wells with pilot hole 8 1/2 and drain hole (+/- 700m length) and an explorations well in the same block. The ERD wells and the horizontal were drilled from an extension area on an existing production platform, rather than using well empty slots from the platform jacket to minimize platform shut downs during SIMOPS operations.</p>	



Specifics SIMOPS rules were applied to govern both production and drilling/completion activities. Smooth wells trajectories, steerable drilling BHAs, surface cutting flow meter, OBM, string centralization and efforts to build a successfully team-work environment are some of the main engineering tools used to successfully drill these wells without incidents and within the budget. Successfully installed complex mono-bore completions with two distinct sections, without TTBG slick line interventions. The lower section equipped with Swelling packers for the isolation of the drain-hole (oil production is planned in the early stage, and then the well is converted into gas producer) and hydraulic formation isolation valve to keep isolate the reservoir while installing the upper completion. The upper completion section equipped with monobore string with retrievable packers (cut-to-release). Due to limited services in the area of the operations and high running costs, ad hoc contingencies operations with well-Tractor were also planned to support drilling/completion activity at the various stages.

* On a 28:28 rotations basis, in Georgia, for Frontera Eastern Georgia Ltd. to support the Block 12 field activity. The Block 12 is the largest **exploration** block assigned in Georgia for the Oil field activity. It include a variety of different type of reservoirs and wells category, with a combination of remote locations, complex geology and high tectonic stress acting in the area. Overpressure and Hole instability represents additional challenges and associated to the fact that most of the modern services suppliers are based abroad, makes the drilling, completion and Testing of these wells a unique experience in this area.

* Provide on site supervision for a wide spectrum of Completion Well Testing and Work Over activities, for **explorations**, developments and routine production phases. Work on 7/7, 15/15 or 21/21 rotational basis under the four Italy's operating districts area. These operating districts include a variety of fields and different wells challenges; locations were both, offshore & on shore, with Gas & Oil fields prospects. It is worth mention the challenges HP-HT wells located in the northern part of Italy (Po Valley), the typical multilayer Gravel Pack completion installations in the Adriatic Sea, the variety of Oil wells producing with sucker rods pumps, the slim hole shallow wells and the horizontal wells in the Val D Agri area producing sour fluids from cluster wells, using horizontal X-mas trees.

Well Engineering Consultant	ERP0174
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* Fina **Exploration**, Jakarta, Indonesia. Well Test Engineer.

Production Technologist Consultant	ERP0177
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* Senior Production Technologist, Tendirara Onshore Gas Field **Exploration**, Schlumberger Production Management with Sound Energy Morocco

* Senior Production Technologist, JV Schlumberger Production Management & Sound Energy Morocco, Onshore Gas Field **Exploration** in the South East part of Morocco.



*Senior Production Technologist in the JV, main role and responsibilities concentrated around the following Rigless Phase-Well Testing aspects for the three drilled wells part of the **exploration** phase:

* Well Test Operations: in harsh environment; 8% CO2 and Proppant Backflow Reviewing the Testing, Production & Completion Data history of two wells drilled in 2006 in order to revive and identify further **exploration** opportunities.

Petrophysics/Reservoir/Petroleum Consultant	ERP0179
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* Leading the following upstream technology deployments in Oman: improved and enhanced oil recovery, unconventional tight gas development and shale gas **exploration**, fibre-optics based well and reservoir surveillance, novel seismic technology and carbon capture, utilisation and storage (CCUS).

* Technology support to Shell s operated tight/unconventional blocks 10/11 **exploration**, appraisal and development and PDO Gas Directorate block 6 tight gas development.

* Shell International **Exploration** and Production, Houston, USA & Amsterdam, the Netherlands. General Manager, Global Improved/Enhanced Oil Recovery and CCUS.

* Shell International **Exploration** and Production, Rijswijk, The Netherlands. Global Program Manager, Improved and Enhanced Oil Recovery

* Initiated and coordinated cross-organisational team efforts including upstream **exploration** and production with downstream refining and petrochemicals value-chain integration.

Apr 2001 Sep 2004. Principal Reservoir Engineer, Rijswijk, The Netherlands. Shell International **Exploration** and Production

* Petroleum engineering consultant for BG global **exploration** and New Business Development, petrophysics and reservoir engineering support for BG's North Sea Blake (UKCS) field development planning and oil-rim horizontal well placement optimisation, also supervising trainee engineers at BG's Petroleum Engineering department (now part of BG Advance).

Geomechanics Consultant	ERP0181
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* Hands-on experience in structural geology/ geomechanics and geotechnical engineering both in petroleum and renewable energy including structural analysis and synthesis, fracture and fault-seal analyses and modeling, and fractures related diagenesis, seismic interpretation, structural and geomechanics modeling. In renewable energy my experience includes dam-safety, scour prevention and geothermal energy **exploration** and production.

* Extensive experience in **exploration**, production and development for both conventional and unconventional carbonate and clastic reservoirs, with advanced skills in 3D geomechanics modeling with VISAGE software, and basic geologic and fracture modeling with PETREL, FracMan and FRACAFLOW software.



* Worked at the **Exploration** and Undeveloped Fields and Reservoirs to find new concepts and leads within Abu Dhabi onshore concessions, and to help structural risking and provide seismic interpretation, fracture and fault seals analyses among others.

Geology Consultant

ERP0182

* Headed Ophir s **exploration**, production and development organisation in Asia, which generated all of Ophir s revenue - US\$165 million in 2018.

* Managed offshore and onshore production, development and **exploration** activities in Thailand - 90 staff and operated production of 12,000 boepd. Direct report to COO and member of senior management team.

* Managed production, development and **exploration** activities onshore and offshore Thailand, with organisation of more than 50 staff. Operated production of more than 10,000 boepd. Board member for APICO LLC, part-owned by Salamander Energy.

* Established operating office in Bangkok, completed approval of operating entity, doubling of staff numbers plus acquisition of three further **exploration** concessions.

* Geologist | BP **Exploration**, Aberdeen & London

Geophysics Consultant

ERP0185

* Centrica Energy Aberdeen. Senior Geophysicist. (**Exploration** & Development - SNS, CNS & WoS)

* Technical expert for non-operational assets, **exploration** and farm-ins across UK, Dutch and Norwegian offices - covering oil and gas fields.

* Lead geophysicist on Greater Kittiwake Area planned new **exploration** and work-over wells before assets were sold to Enquest.

* Responsible for **exploration** within 26th and 27th Round assessments in SNS, CNS and WoS as part of multi-discipline team, with follow-up as Operator and Non-Operator as necessary.

* Active team member in helping develop fields, rank **exploration** targets and liaise over asset distributions

* Selected assets/fields: Alwyn, MonArb, Auk, Greater Kittiwake Area, Laggan/Tormore, Balder, Jotun, Halten Bank, Ormen Lange, Western Isles, Alba, Blane, Oseberg, Snohvit, Yme, Bentley, Beryl, Heather/Broom, Surprise/Captain. UK and Norwegian **Exploration**.

* Other selected assets/fields: Jubilee, F2/3, G15, UK **Exploration**.



Seismic Consultant	ERP0186
<p>* To date an additional 96 VSP datasets have been processed for the following companies; Assala Energy, Beach Petroleum, Bowleven Oil & Gas, Centrica Energy, Chariot Oil & Gas, Circle Oil, CNOOC International, Cue Energy Resources, Dana Petroleum, Enquest, Glencore Exploration, Igas Energy, KAR Group, Independent Oil & Gas, Lion Petroleum, Maha Energy, Nagra, MOL, Nexen Petroleum, ONE-Dyas, Oryx Petroleum, Perenco, PetroCeltic International, Petro Matad, Premier Oil, Regal Petroleum, Salamander Energy, Savannah Petroleum, Serica Energy, Siccar Point Energy, Spirit Energy, Suncor Energy, Talisman Energy, Taqa Atrush, Tullow</p> <p>* 312 VSP datasets were processing for the following companies; Addax Petroleum, African Petroleum, Aral Petroleum, Aurelian Oil & Gas, Borders & Southern Petroleum, Bowleven Oil & Gas, BP Exploration, Cairn Energy, Centrica Energy, Chevron, Circle Oil, Dana Petroleum, Desire Petroleum, Dove Energy, Encore Oil, Endeavour Energy, Falkland Oil & Gas, Faroe Petroleum, Glencore Exploration, Larsen Oil & Gas, Maersk Oil, Marathon Petroleum, Melrose Resources, Nautical Petroleum, Nexen Petroleum, Nippon Oil, Northern Petroleum, Oilexco, Oryx Petroleum, Petro-Canada, PetroCeltic International, Premier Oil, Rockhopper Exploration, Salamander Energy, Serica Energy, Sterling Resources, Talisman Energy, Total E&P, Veba Oil, Venture Production, Vitol</p>	
Petroleum Engineering Consultant	ERP0187
<p>* Risk Analysis, Prospect Evaluation and Exploration Economics, Rose and Associates</p> <p>* Understanding Petroleum Exploration and Production, PGL</p>	
Metallurgy Consultant	ERP0189
<p>* Managing and delivering key technology development programmes for Tenaris Group, BP Exploration, KOC, SMST JFE,</p> <p>* BP Exploration, UK. Technology Manager/Senior Consultant</p> <p>* Responsible for the overall target, scope and the management of a multi-disciplinary Project to access, develop and implement key radical technologies aiming to reduce the cost impact of corrosion on BP Exploration. Accountable for the delivery of high-level corrosion and materials consultancy to BP Group worldwide. Notable achievements included:</p> <p>* Developed and delivered materials selection philosophies, whole life cost assessment and co-ordination of contractor activities for BP Exploration Assets.</p>	
Data Management Consultant	ERP0190
<p>* Summit Exploration and Production Limited. IT and Data Manager</p>	



Geoscience Consultant	ERP0192
<ul style="list-style-type: none"> * Extensive career working on international exploration, development and appraisal projects with a strong emphasis on geohazard awareness and identification using shallow seismic and sea-bed mapping * Geological and geophysical experience ranges from basin and play-fairway analysis to new venture appraisal/evaluation, exploration, to appraisal and green/brownfield development planning and geohazard identification. Experience of many different clastic depositional environments including deepwater clastic sediments and carbonates * Resource estimation of Ngassa discovery and offshore exploration target * Selection of appraisal and exploration well locations * Managed the Northern Ireland exploration block where the company was a non-operating partner * Gigatt Oil - Offshore Ghana exploration block evaluation * INPEX operated giant Abadi gas field in the Aru Sea, Indonesia for development and near field exploration * Team lead and seismic interpreter for the Argentine, Austral and Malvinas Basin deepwater exploration project * Responsibility for the technical assurance and approval for eight development and two exploration projects in the Sabah region of the South China Sea, offshore East Malaysia, Gulf of Thailand, West Africa, Cuba and Suriname * KUFPEC (Kuwait Foreign Petroleum Exploration Company) Kuwait Senior Consultant Geophysicist * 2D and 3D interpretation of acreage in the Sarawak basin, offshore Borneo for exploration leads and prospects maturation * Murphy Oil Company London Exploration Geophysicist * Offshore and onshore exploration and production acreage in the United Kingdom, Ireland, France, Netherlands and Denmark. 	
Drilling Consultant	ERP0194
<ul style="list-style-type: none"> * Completed Central North Sea (NPNT, HPHT) exploration campaign on Galaxy II heavy-duty jack-up rig managing multi-discipline team of service providers and costs, contracts, QA/QC, logistics, etc. dedicated to the project. 	



* Designing and operating the wells on behalf of partnership with large operators. Both projects managed from start to the completion and resulted in hydrocarbon discoveries. Total CNS **exploration** project budget managed was circa 150 MM.

* Providing budgetary well costs and schedules to New Ventures and **Exploration** teams for forming the 2016-18 drilling budgets. Reviewing non-operated wells planning and execution with such partners as Maersk, Talisman, JX Nippon.

* Member of taskforce conducting drilling QA/QC and due diligence reviews on potential merger and acquisition options as a part of company growth strategy in the region. Reporting directly to the Drilling Engineering Manager and New Ventures/**Exploration** managers.

* Working on Liberia and Namibia (ultra-deepwater/deepwater wildcat prospects, Maersk Deliverer and TO Marianas rigs) **exploration** projects and Cameroon (HPHT /MPD, Atwood Aurora jack-up rig) appraisal campaigns (IM5 appraisal keeper HPHT well in Cameroon was planned and drilled in total 10 months time from the start of the project to well testing). Challenging wells with ultra-deepwater environment, narrow PPFG windows, hard rock drilling, fractured carbonates, 4,000-4,500 psi depleted sands above the primary target. Experienced in analysis of conductor jetting with successful installations in deepwater and ultra-deepwater wells (900-2,100m water depths).

* Acted as a drilling team lead for 3x direct reporting drilling engineers during the last 4x well **exploration** deepwater campaign in Namibia.

* BP **Exploration** (Caspian), ACG Field, Baku. Drilling Engineer (Wellsite / Operations / Performance DE)

Completions Consultant	ERP0195
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* BP (Caspian) **Exploration**, Azerbaijan. Completions Engineer (Platform and Subsea)

Drilling Consultant	ERP0197
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* Drilling Superintendent for the John Shaw semi-sub, this included responsibility for all day-to-day operations and a large team of drilling engineers including budgetary responsibility for most contracts. The rig was drilling ERD development wells and planned **exploration** prospects in the Northern North Sea when TAQA scaled back operations considerably at the beginning of the downturn.

* The HPHT **exploration** well IM5 was the first in the region to get below the Intra Isongo formation safely (1 blowout and 3 failures) Drilling required the use of MPD, with many operations being a first for industry (e.g. coring, running a liner and wireline under MPD). A core, extensive logging and testing programmes were conducted which proved up significant reserves. Operations were suspended pending financial decisions on development options.



Geoscience Consultant	ERP0198
<p>* 34 years of experience as a seasoned Geoscientist with considerable exploration experience in complicated exploration and production areas of the world. Recognized expert in regional reviews, salt tectonics, basin analysis, structural geology techniques, seismic interpretation, reservoir depositional models, field techniques, prospect evaluations, license evaluations, sequence stratigraphy, sedimentology, plate tectonics, fracture analysis and geochemistry. Steve is a seasoned user of Petrel, Seisworks, and Geoframe.</p> <p>* Regional studies of the Middle East for BP Exploration.</p> <p>* Lead and organised many Peer Reviews of both Development and Exploration projects.</p> <p>* PM304 FFR and Exploration review (Talisman) exploration potential and geological interpretation</p> <p>* Assessment of PM 9 fields in the Malay Basin. Exploration Team Leader</p> <p>* Malaysia, PM (exploration and development projects), Sarawak and Sabah.</p> <p>* Exploration well proposal to assess deep, high pressure and temperature reservoirs.</p> <p>* Review of the Murphy Sabah exploration acreage. Risk analysis and forward planning recommendations.</p> <p>* Review Of Murphy acreage in the Malay Basin: recommendation to high grade exploration programme.</p> <p>* Highlights: Regional evaluation leading to exploration focus</p> <p>* Also worked for BP London advising on exploration topics in the Middle East. Part of the team that lead to the successful acquisition of acreage in Saudia Arabia (June 2001).</p> <p>* Involved in Structural Geology training particularly in the fields of compression (Course run in China for the Karamay oil company), fractured reservoirs and salt tectonics. Also taught on the BP Frontier Exploration Training course. BP internal courses on salt tectonics and deep-water prospectivity. Organised a course on the pitfalls of prestack depth migration in salt provinces.</p>	
Geology Consultant	ERP0203
<p>* Prospect Monte-Carlo Risk Assessments Block 16.1 Exploration Prospects;</p>	
Business Development Consultant	ERP0204
<p>* Increase sales of geophysical data, bespoke solutions and software by identifying new markets and business opportunities, monitor industry trends through detailed analysis, market & competitor analysis, assisting in augmenting company recognition through marketing strategies and implementing pre and after sale strategies.</p>	



* Extensive experience in astutely grasping business opportunities and can analytically transform data into useful information in order to create targeted sales strategies Generated business opportunities across North America and Europe.

Seismic Consultant

ERP0205

* Provide Seismic Processing supervision for their Namibia **Exploration** project. Processing of 3D data through an anisotropic depth migration processing sequence with velocity model building to include FWI and tomography.

* Provide Seismic Processing supervision for the Mauritania **Exploration** team. Processing of 3D data through an anisotropic depth migration processing sequence with velocity model building to include joint-parameter FWI and tomography

* Assigned to the Geophysical Technology Group to provide Seismic Processing supervision on a variety of projects (internal and external, 2D and 3D) for UK and West Africa assets, both **Exploration** and Development

* Provide Seismic Processing advice to the Ireland **Exploration** team.

* Provide Seismic Acquisition advise to the Ireland **Exploration** team.

* Supervision of numerous 2D and 3D anisotropic PSDM processing/reprocessing projects as part of the License Option / **Exploration** License work programs

* Support of acquisition and processing within the **Exploration** and Production departments for the core Value Centres (Denmark/Norway North Sea, UK West of Shetlands, Faroes)

* Supervision/Support of worldwide (Europe, Africa, Middle East, Asia, Russia) marine and land processing projects within the **Exploration**, Production and Development departments

* Supervision/Support of worldwide (Europe, Africa, Middle East, Asia, Russia) marine and land acquisition projects within the **Exploration**, Production and Development departments

Seismic Consultant

ERP0206

* 30 years extensive experience working in Geophysics, seismic field. Office, Onshore land and offshore marine environments in both operational (hands on), Seismic Data Processing QC, Field QC and supervisory positions worldwide through working with GSI, HGS, CGG, PGS, Halliburton, Schlumberger-Geco-Prakla, Geotrace, Global Geophysical and ENI **Exploration**. Managed to cover next roles:

* Sapescos-**Exploration**, (Egypt). Technical & Business Development Manager

* ENI **Exploration**, JV (ENI40%-Repsol30%-Aramco30%), Saudi Arabia. Senior Seismic QC Processing Geophysicist

* ENI **Exploration**, (Egypt). Senior Seismic QC Processing Geophysicist



Reservoir Engineering Consultant	ERP0209
<ul style="list-style-type: none"> * Able to create and deliver operational strategies at an international level for the exploration, appraisal, engineering and management of Oil and Gas opportunities. * Leading reservoir engineering, concept engineering & the economic evaluation of exploration and appraisal projects in Europe and Africa * Ensuring appropriately risked economics screening in support of drill worthy and investment worthy decisions of exploration, appraisal, BD, and NV opportunities * Advising on the technical delivery of exploration and appraisal activities on OML139, OPL 222/223 in the Niger Delta, resulting in the drilling of 3 world class discoveries * Ensuring the E&C evaluation and maturing of exploration and appraisal opportunities & prospects * Decision Analysis and Decision Quality in Oil and Gas Exploration 	
Geophysics Consultant	ERP0210
<ul style="list-style-type: none"> * Skilled geophysicist with Master of Science in Reservoir Characterization and Data Analytics, Proven track record in oil and gas exploration and development, member of APEGA. Strong analytical and problem-solving skills, ability to work in a collaborative environment, and excellent communication skills. * Communicate complex geological findings to stakeholders through detailed reports and presentations, influencing strategic decisions in exploration and production activities. * Evaluated the potentiality of El Arish Offshore and Thekah concessions in the East Mediterranean and the offshore Nile Delta, including Pliocene, Miocene, and Cretaceous potential reservoirs, used direct hydrocarbon indicators techniques to assess the risk of Pliocene and Miocene exploration. * Developed a methodology for reservoir thickness prediction based on amplitude strength, seismic energy attenuation, and amplitude spectral decomposition using multiple linear regression, the methodology has been used successfully in Pliocene and Miocene exploration in the offshore and onshore Nile delta of Egypt. * Obtained reliable experience from involvement in high drilling activity within a short time, and participation in different kinds of exploration and development studies. 	



Petrophysics Consultant	ERP0212
<p>* Gulf of Suez, exploration project, East Ras Budran concession. The objective will attempt to extend the known limits of the oil-bearing fractured Darat Formation by drilling first a vertical pilot-hole east of ERB-A-1X. After evaluating the Darat, it is envisioned to design a near-horizontal sidetrack to be deviated to the northeast, perpendicular to the most prolific open fracture systems. Other objectives also exist within the syn-rift clastics (Nukhul sand), which due to their lateral heterogeneity are difficult to predict and are considered only as possible secondary targets. Status: Completed.</p> <p>* Western Desert, Petrel Master Project, East Abu Gharadig basin. The objective of this project is to gather all data from all exploration disciplines to import them in one master project and then move to the second phase, which is the regional interpretation phase. Status :Completed</p> <p>* Responsible for planning the geological operations of a potentially over pressured exploration well, creating coring and casing protocols, and overseeing an extensive wireline program that included the use of high profile technologies.</p> <p>* Egyptian Petroleum and Exploration Society (EPEX).</p>	
Wellsite & Operations Consultant	ERP0213
<p>* Wide experience has been increased in Syria, Middle East (Iran & Saudi Arabia) & Africa(Chad) areas such as development and Exploration projects(on and off shore locations), synchronized operations, Development Fields for horizontal, Geosteering and HP/HT for gas, light and heavy crude oil, and water and gas injection</p>	
Geology Consultant	ERP0214
<p>* Completed basin-scale exploration evaluations to promote opportunities in different mature and frontier basins. Pitched exploratory ideas to clients and governments.</p> <p>* HOCOL S.A. Colombia. Exploration Geoscientist.</p> <p>* Subsurface data interpretation to support new project developments, exploration strategic planning proposals and investment decision recommendations.</p> <p>* Geologic evolution of northern South America. Insights for exploration in complex basins. AAPG Europe 2020 Regional overview of Opportunities in Colombia Ecuador Venezuela.</p>	
Seismic Consultant	ERP0215
<p>* In country Seismic Operations Manager responsible for overall project start-up, mobilization, acquisition and demobilization, quality control and health and safety, assisted and coordinated CSR, HSE, Global Procurement, Security and ERW (UXO) and Seismic Contractors and sub contractors, assisted Country Management and Exploration Management and as well as Drilling</p>	



Superintendents, Civil Project Managers and Project Geophysicists and Geologists to get the project on the ground, acquired and completed while coordinating all stake holders.

* In country Seismic Operations Manager responsible for overall project start-up of Kerzaz Blocks, mobilization, acquisition and demobilization, quality control and health and safety, assisted and coordinated CSR, HSE, Global Procurement, Security and ERW (UXO) and Seismic Contractors and sub contractors, assisted Country Management and **Exploration**.

* Coordinated and executed several multi-year **exploration** and production projects, took an active part in project planning, execution and data evaluation in Dallas office, provided processing using ProMAX and interpretation using Charisma workstations GeoQuest .USA

Reservoir Engineering Consultant

ERP0221

* Developed a new reservoir compositional model from **Exploration**/Appraisal phase using initial RFT/MDT data, **Exploration** PVT wells Samples, Laboratory Capillary Pressure/SCAL/Relative Permeability measurements

* Performed a reservoir Fluid Characterization study through creating different PVTi (EOS) models for various oil /gas/condensate **Exploration** Wells samples using PVT laboratory experiments (DL, CVD, CCE, Multi-Stage Separators), applied Heavy Component C7+ splitting and lumping, used EOS Tuning/Regression to calibrate the model, described the reservoir fluid via Pseudo Components and estimated initial reservoir Condensate Yield (Rv)

* Involved in Wells Data Acquisition/Analytics & Reservoir Management/Production Optimization activities that include Interference/ Saphir Pressure Transient Analysis (PTA) models, Petex IPM software (MBAL models), Decline Curve Analysis (DCA), Well Performance Modeling (PIPESIM), Water Shut-Off/ Stimulation, Hydraulic Fracturing, Acid Stimulation, Artificial Lift (Gas Lift Optimization/ESP proposed), Rig/Rigless Wells Intervention (DST, Open/Cased-Hole Logs, Fluid Sampling/BHP, RFT/MDT, PLT, TDT etc.), **Exploration**/Appraisal Wells evaluation, Resources/Reserves Economic Evaluation/Classification, SEC Standards, (Shell Annual Review of Petroleum Resources (ARPR) Report), Reservoir/Wells Economic Evaluation/Cost Models using Schlumberger PEEP software, CAPEX/OPEX profiles and Commercial Bids Evaluation BH/Surface Oil/Gas PVT well samples

Geology Consultant

ERP0222

* ShaMaran Petroleum, Geneva. **Exploration** Manager / Technical Manager.

* Primary purpose to protect ShaMaran's interest in the jointly-owned General **Exploration** Partners Inc. (66.5% Aspect Energy, 33.5% ShaMaran) operator of the Atrush block in Kurdistan. Atrush field discovered in 2011 and undergoing appraisal.

* Led a number of new venture evaluation teams leading to successful offers for new projects in the Nile Delta. Successful new country entries into Gabon, Iran (study area), Qatar, Syria & Kazakhstan. Two new **exploration** blocks awarded JV in Yemen in July 2005 (1st & 2nd high -



graded blocks for the fractured Basement play). Strategic partnerships set up with a number of international companies.

* Part of Halliburton s Solutions Group as Sub-Surface Project Manager / Principal Geologist for Eastern Hemisphere: new ventures, project development and production, geological modelling, operations, **exploration** and asset management in Norway, Asia, North Africa & Middle East. Including:

* Adding significant company value through building carbonate reservoir models based on 3D seismic that increased **exploration** success to >90% & appraisal/development success to >95% and changing operator s way of thinking regarding their main reservoirs by introducing an alternative viewpoint on reservoir potential. Left project with remaining NPV over twice original purchase value after 7 years, and with production at record levels.

* Neste **Exploration** Limited, London. Senior Geologist International

* Reassigned to assist **exploration** licences in UK sector (Central Graben and Southern Gas Basin), and production/reservoir matters from the Ninian field, participating in technical meetings, and evaluating farm -in opportunities. Monitored one **exploration** well and one farm-in well in the period.

* Neste **Exploration** Limited, London: Senior Production Geologist, M. East

* Followed up company production interests in the Middle East (including Mubarek, and Arzanah fields, UAE). Participated in Oman asset evaluation/acquisition from Chevron, as well as operated **exploration** wells . Participated in Technical G&G Committees in licenses. Assisted the newly acquired Norwegian office (formerly ARCO Norway) in Neste s successful 13th Norwegian licensing round application (Sept. 1990) due to lack of staff, regional knowledge, and Norwegian language.

* Period Achievement Highlights Applying regional knowledge and language skills to achieve success in a major licensing round and participating in a successful production & **exploration** acquisition in Oman.

* Statoil **Exploration** & Development/Prod. Div., Bergen, Norway. Senior Operations Geologist

* Follow up of daily operations of all operated **exploration** wells offshore Bergen.

* Statoil **Exploration** & Development, Bergen, Norway. Sen. Ops Geologist

* Co-ordinating function between the various departments within Statoil, licence partners, the Norwegian Petroleum Directorate (NPD), and geological service companies. Special areas of responsibility included the preparation of well programmes, the follow up of daily well operations, end of well reports, and 24 -hour home duties one week in three. The position also included occasional offshore trips and representing geological operations at Technical and **Exploration** Committee meetings, presenting well proposals and results.



Statoil **Exploration**, Bergen, Norway (Jan 1982 - May 1984). Wellsite Geologist

Geophysics Consultant

ERP0225

* Professional experience covers extensive onshore and offshore **exploration** experience spanning Nigeria, Italy, Norway, Iraq, Libya, Egypt, Kutei-Indonesia, and Pakistan.

* Core competencies encompass the full life cycle of **exploration** and new venture projects, including portfolio management, play-based **exploration** block evaluation, prospectivity assessment, prospect generation, trap maturation, drilling candidate selection, appraised wells and project economics.

* With a proven track record of maturing new plays across all **exploration** stages, this Geophysicist possesses exceptional proficiency in qualitative/quantitative seismic interpretation including 3D & 4D (seismic inversion pre/post-stack), reservoir property volume prediction (conventional and tight sands), mapping near-field and wildcat **exploration** areas, shallow hazard analysis, volumetrics estimation, geological risking, and economic assessment.

* Collaborating closely with technical professionals in **Exploration**, Development, Drilling, and Operations, they prepare appraisal well proposals, contribute to departmental budget preparation and implementation, and excel in diverse tectonic settings, including compressional, extensional, strike-slip regimes, and passive margins.

* Worked with ENI Indonesia Limited, ENI-Nigerian Agip Oil Company (NAOC) (2010-2013), ENI S.P.A (Italy,Norway, Iraq,Libya 2013-2014) as Technical Leader , ENI Pakistan Limited(2006-2010) and Pakistan Petroleum Limited(2002-2006) as **Exploration** Geophysicist and Assistant Geophysicist .

* Currently working as an Advisor Geophysics in Middle Indus, Lower Indus basin, Kirthar fold & thrust belt (**Exploration** & development projects) mainly comprising stratigraphic play (nearshore to deep marine environment) evaluation/exploitation and Structural Play (fold and thrust belt carbonate play) & Tight sand projects.

* Areas of responsibilities are prospect generation, maturation to drillable stage including Seismic Interpretation (structural & Sequence stratigraphic) mapping, depth conversion, attributes analysis, technical justification for proposing additional **explorational**/appraisal work to be conducted as part of the de-risking process. Reservoir characterization based on rock physics analysis (QI work seismic based facies analysis using attributes for conventional & Tight sand composition rsr., Pre/Post stack Inversions).

* Worked as an **Exploration** Technical Leader (Geophysics) ENI- NAOC development in GULF OF GUINEA and NIGER DELTA, previously worked as a **Exploration** Technical Leader new venture projects mainly comprises of Structural & Stratigraphic plays in carbonate & clastic environment. My Niger delta **exploration** experience span from swamp through shallow offshore to deep offshore areas. My areas of responsibilities are Perform 2D/3D/4D seismic data interpretation few



development projects and couple of **exploration** project on field/Prospect scale and regional level to evaluate the new proposal & blocks Prospectivity.

* Worked as an Technical Leader ENI S.P.A, HQ Italy to evaluate Miocene Oligocene **exploration** potential in Mediterranean (Tuna discovery - clastic sedimentology) & Nile delta (later Zohar discovery - offshore).

* Eni Pakistan Limited. **Exploration** Geophysicist. Worked as an **Exploration** Geophysicist in Pakistan Indus Offshore, Middle & lower Indus basin comprises of mainly structural cum stratigraphic play in extensional & transform faulting areas. My responsibilities are

* Technical evaluation of assigned **exploration** opportunities, evaluating and generating leads & prospects by seismic interpretation, subsurface mapping, volumetric estimates and geological risk studies.

* Evaluations at best technical industry practise including time, velocity, depth, and attribute maps necessary for establishing structural, facies and reservoir property models needed to de-risk **exploration** prospects

* Provides technical input to seismic acquisitions, seismic processing, seismic modelling and **exploration** well drilling including information required for economic evaluations.

* Very good experience of Play based **exploration** campaign including generation of CRS mapping based on GDEs.

* Quantitative interpretation techniques, seismic reservoir characterization and AVO analysis, seismic inversion to optimize **exploration**, appraisal and development of hydrocarbon pools in calibration with Sequence stratigraphic framework.

Reservoir Engineering Consultant

ERP0226

* 20+ years Worldwide experienced hands-on Reservoir Engineer with expansive experience working with and leading multi-disciplinary teams in Reservoir Engineering, Offshore & Onshore Oilfields **Exploration** and Field Development Plans, Surveillance and Operations, Water Flood Development & Management, IOR and EOR Pilots & Fieldwide Implementations (CO₂, CO₂WAG, IWAG, MEOR, Polymer Flood, Water flood, Gas flood) and rejuvenating Relinquished Old Oilfields, Reservoir Management and Optimized Field Performance.

* Lead and drive Reservoir Development & **Exploration** Department to develop the field, conducted water flood and gas flood feasibility projects for naturally fractured basement rock, based in office in Austria and Yemen in the Middle East.

* Participated in the offshore and onshore **exploration** activities and provided reservoir engineering support



* Technical leadership role and Manager supporting oil and gas developments/**exploration**/EOR projects for brownfield Tambaredjo & green swamp field Calcutta raising production from 12,000 BOPD to 14,000 BOPD within 2 years meeting business target.

* Responsible for performing Reservoir Engineering analysis for further IOR development and day-to-day business of supporting **exploration**, development and production working with geologists for locations, logging results, workover requirements, SRO gauges survey and analysis

* PETRONAS CARIGALI CTE s (Center for Technical Excellence) team member providing technical advice and expertise in Reservoir Studies and Simulations, **Exploration**, Field Development (green & brown), Production Enhancement, Field Review Studies, EOR, Waterflood, Gasflood and technical courses development.

Geophysics Consultant

ERP0228

* Team lead, mentor, project planning and budgeting, vendor liaison and negotiation. Predominantly **exploration** but with experience in all stages of lifecycle.

* Geophysics Coordinator, WD Norge **Exploration**. Responsible for planning, resource management, and execution of all aspects of geophysics, providing guidance, support and services for offshore area teams covering 40+ **exploration**/production licenses. 6-months as Interim Lead for Regional & Support Team (Geophysics, Geology, Sedimentology, Geochemistry) with report responsibilities for 8 personnel.

* Geophysics Team Lead, project planning and scheduling for 2-3 senior geophysicists supporting Norwegian **Exploration** operations, including acquisition, processing, reprocessing, and QI/interpretation.

* Lead Geophysicist for Norway Business Unit **Exploration** department, providing expertise in QI and SRC, acquisition and processing.

* Senior member of Global **Exploration** Subsurface G&G Services team, corporate HQ. Expertise in QI and SRC with support in rock physics, seismic interpretation, stratigraphy and geomodelling. Experience with Wintershall and partner assets in Europe, Norway, Brazil, Mexico, Arabian Gulf and Russia.

* Lead QI geophysicist for Brazil country-entry, providing specialized support to asset teams and management. QI lead for successful 2018 bid round for new **Exploration** licenses, supporting teams on a half-dozen different offshore basins. QI rep for data rooms and prospect appraisals to evaluate and derisk potential investments.

* Geophysics coordinator for new Technology projects, including Project Manager of HyperSRC High- Performance Computing (presented at Wintershall Dea s 2021 E&P Forum), the **Exploration** Advisory Tool (presented at EAGE Digital 2020), and FWI Imaging (presented at EAGE Annual, 2023 and 2024).



* Southern North Sea regional lead for SRC. Supporting asset teams with seismic and elastic rock property QI, from new **exploration** discoveries and licenses to development plans of proven fields.

Drilling Consultant

ERP0231

* 7 **exploration** wells in Carbonate / Basement plays, onshore Thailand PTTEP

* 6 **exploration** wells in Carbonate / Clastic plays, onshore Indonesia Various clients

* 10+ **exploration** wells in Turbidite reservoirs, offshore Angola and Nigeria Various clients

* 20+ **exploration** wells in Clastic reservoirs, onshore / offshore The Netherlands SHELL (NAM)

Geology Consultant

ERP0235

* Prepared and delivered training courses on **Exploration** & Development Geology (3 weeks) and Sedimentology & Sequence Stratigraphy (1 week) in-house to Kuwait Oil Company.

* Prepared and delivered training courses in Play & Prospect Evaluation (1 week) and **Exploration** & Development Geology (3 weeks) in-house to Kuwait Oil Company.

* Prepared and delivered public courses on Petroleum **Exploration**; Play and Prospect Volumetrics and Risk Analysis; Production Geology; Petroleum Systems and Petroleum Project Life Cycle. Prepared and delivered public lectures in the UK in support of Shale Fracking.

* MND a.s. International **Exploration** Manager. A Czech company with assets in Czech Republic, Pakistan, Yemen, Romania and Morocco.

* Reviewed and monitored all operations including seismic surveys (from design through acquisition and interpretation) and drilling **exploration** and appraisal wells.

* Provided training in Geoscience and **Exploration** to Sonangol Personnel.

* New venture **exploration** and appraisal projects in Mauritania, Libya, Iran, India, Cuba, Laos, Peru and Norway.

* Project managed and delivered a 2 month **Exploration** Workshop training course for KNOC in Seoul.

* Seminar on **exploration** topics to OGDCL staff.

* Senior Geologist (as Consultant for first year, then as employee), for regional geological modelling and **exploration** in CEIL's highly successful Gulf of Cambay licence.

* Delivered **Exploration** Workshop to Sonatrach staff in Algiers.

* Wellsite Geologist on two **exploration** wells in Gulf of Thailand for Sun Oil Thailand Ltd. Wrote Taranaki Basin, Potwar Basin, Indus Basin, Baluchistan Basin, Oman and Rub Al Khali Basin



Geological Monitors. (Geological Monitors were a systematic review of a basin s or country s remaining petroleum potential.)

* Sun International E&P Co. Senior Geologist, Chief Geologist, Manager of Geology, **Exploration** Manager

* Worked in various roles (Senior Geologist, Chief Geologist, Manager of Geology, **Exploration** Manager) on New Ventures and on captured acreage in Western Europe, South America (especially Colombia and Argentina) and Australasia.

Petroleum Engineering Consultant

ERP0236

* 35+ years of international experience, developing major oil and gas fields with multi-national oil and gas companies in different regions of the world, including assignments in production operations and optimization, **exploration**/appraisal well planning and testing, reservoir management, water flood management, field development studies, well design, material selection, artificial lift expertise in gas lift and foaming technology, EOR CO2-WAG projects, flow assurance and well integrity.

* Oil and gas fields **exploration**, appraisal, and development activities.

* Qatar: Onshore- Dukhan field, offshore Idd Shargi, Bul Hanine, Maydan Mahzem fields, **Exploration** blocks.

* Bangladesh: Sylhet basin - Bibiyana, Maulvi bazar & Jalalabad gas fields and **Exploration** blocks.

* Involved in Designing, planning of the drill stem testing of onshore & offshore **exploration** and appraisal wells considering all operational procedures and issues of testing deep high pressure and temperature oil and gas wells.

* Involved in Designing, planning of hydraulic fracturing of deep low permeability reservoir of offshore **exploration** wells and onshore unconventional wells.

* Oxy was involved in the appraisal and development of Jalalabad field and **exploration** activities in Blocks 12, 13 and 14 in northeastern Bangladesh. Oxy had implemented an aggressive drilling and development program in one of the difficult areas where access to drilling locations was difficult due to tea gardens or impact of floods on location near the riverbed.

* Involved in the **exploration** wells testing of Bibiyana and Maulvi Bazar fields. Bibiyana is one of the largest gas fields of Bangladesh with over 2.5 TCF gas reserves. Tested Maulvi Bazar well# 2, above 75 mmscfd.

* Oxy was involved in the **exploration** and development of volatile oil and condensate fields in Potwar basin of Pakistan. North Potwar basin is near the foothills of Himalayas and all the reservoirs are over pressured, almost twice than normal pressure gradient. Oxy discovered and developed four fields maintaining oil production over 30,000 bopd and gas over 100 mmscfd from fractured carbonate reservoirs.



Seismic Consultant	ERP0246
<p>* 18 years experience in Seismic industry, a very strong geophysical operational, contractual and technical background, possess multi-disciplinary integration experience to provide expert seismic advice in exploration, experience and skills required to provide exemplarily project management and survey wide QC/QA services in the data acquisition of 2D & 3D project in the desert, urban and agricultural.</p> <p>* Started career as a field-based acquisition geophysicist, processing geophysicist with seismic contractor company (Global Geophysical Services International US contractor, ENAGEO local contractor), then worked at Ministry of Energy and Mines (Strategy & Prospective Division) as Geophysicist engineer, after that moved to Operating Oil Company SONATRACH Exploration Exploration Operation Division, Geophysical Department, here he worked as Geophysicist seismic operation supervision (client Rep).</p> <p>* Work as Client Rep specially operation supervision QC & QA in Desert of Algeria for SONATRACH Exploration; REPSOL Exploration Production International then GAZPROM EP International B.V, where they conduct Western Geco (segment of Schlumberger) using UniQ MSS recording system high productivity high resolution and wide azimuth using single vibrator and single receiver, Slip-sweep and distance separated simultaneous source with slip-sweep (DS4); also dynamic slip-sweep(DSS).</p>	
Petroleum Geologist Consultant	ERP0248
<p>* Skilled petroleum geologist with hands-on experience in operations, production and exploration geology with extensive international experience gained working for small to large sized companies like Agip KCO, Jupiter Energy, Maersk Oil, and Emir Oil.</p> <p>* Proven experience starting from exploration activities throughout to abandonment of the concession blocks.</p> <p>* Developed the exploration scope of work, budgeted all the future activities for upcoming 2.5 years exploration program, presented to the Stakeholders, obtained approval to reflect the scope in the working program;</p> <p>* Developed concepts to deliver exploration targets on the basis of processed and interpreted seismic data in conjunction with the gravimetric, aeromagnetic survey and regional geology studies; Exploration and Development, Emir Oil concession block, onshore;</p> <p>* Delivered 4.5M USD exploration well, identified perforation intervals;</p> <p>* Submitted to the State Reserve Committee the reserve estimation, defended and booked 16M 2P barrel reserves, successfully delivered the trial production project to allow produce additional 1000 bopd from two exploration wells;</p>	



* Represented the company in international conferences, operator-non-operator TCMs related to production matters, **exploration** well locations and other subsurface matters;

* Delivered 5 **exploration** wells (3M USD each) in highly complex Triassic carbonate reservoirs;

Geoscience Consultant

ERP0253

* An experienced upstream E&P professional, with a strong geoscience & general management background. Involved in successful hydrocarbon exploitation across the **exploration**-appraisal-development cycle for a number of companies, covering both technical and general management roles. His geographical experience is mainly in the circum-Mediterranean, Middle East and North Africa and S. E. Asia. Currently involved in several energy transition projects (offshore wind & CCS). Specific areas of expertise are:

* **Exploration** Advisor to a mid-size Mediterranean E&P operator, advising senior management, executing a play-based **exploration** evaluation of the company's portfolio and providing assurance and mentoring.

* Seismic interpreter for different clients on a variety of carbonate, fractured and deepwater assets in both **exploration** and development settings.

* Petroceltic Italia. **Exploration** Manager, Italy & Mediterranean.

* Responsible for developing the company's existing **exploration** & appraisal assets in Italy, leading the technical evaluation programme, managing existing partnerships and developing new ones, developing the team in the Rome office, & new business development in the Adriatic & Mediterranean. Key achievements included successful farm out of an Italian permit to a super-major E&P company and country entry into Egypt & Greece.

* Shell, Miri. S.E. Asia Deepwater **Exploration** Team Leader & Malaysia **Exploration** Team Leader.

* **Exploration** Manager with responsibility for all subsurface evaluation activities, well planning & execution, business planning, JV & PSC management firstly covering the deepwater S.E. Asian portfolio & then subsequently the Malaysian portfolio, together covering 6 operated & non-operated Malaysian PSCs (Deepwater Sabah & Sarawak, Baram Delta & Central Luconia) plus licences in the Philippines & Brunei. This involved managing & mentoring teams of 15-25 technical professionals including a mix of local & expatriate staff. Key achievements included discovery and appraisal of the Petai field and the drilling of 12 deepwater **exploration** and appraisal wells.

* Lead geophysicist in the Italian **exploration** team working on operated **exploration** onshore & offshore and subsequently in the team responsible for S Apennine developments (Val d Agri & Tempa Rossa fields).

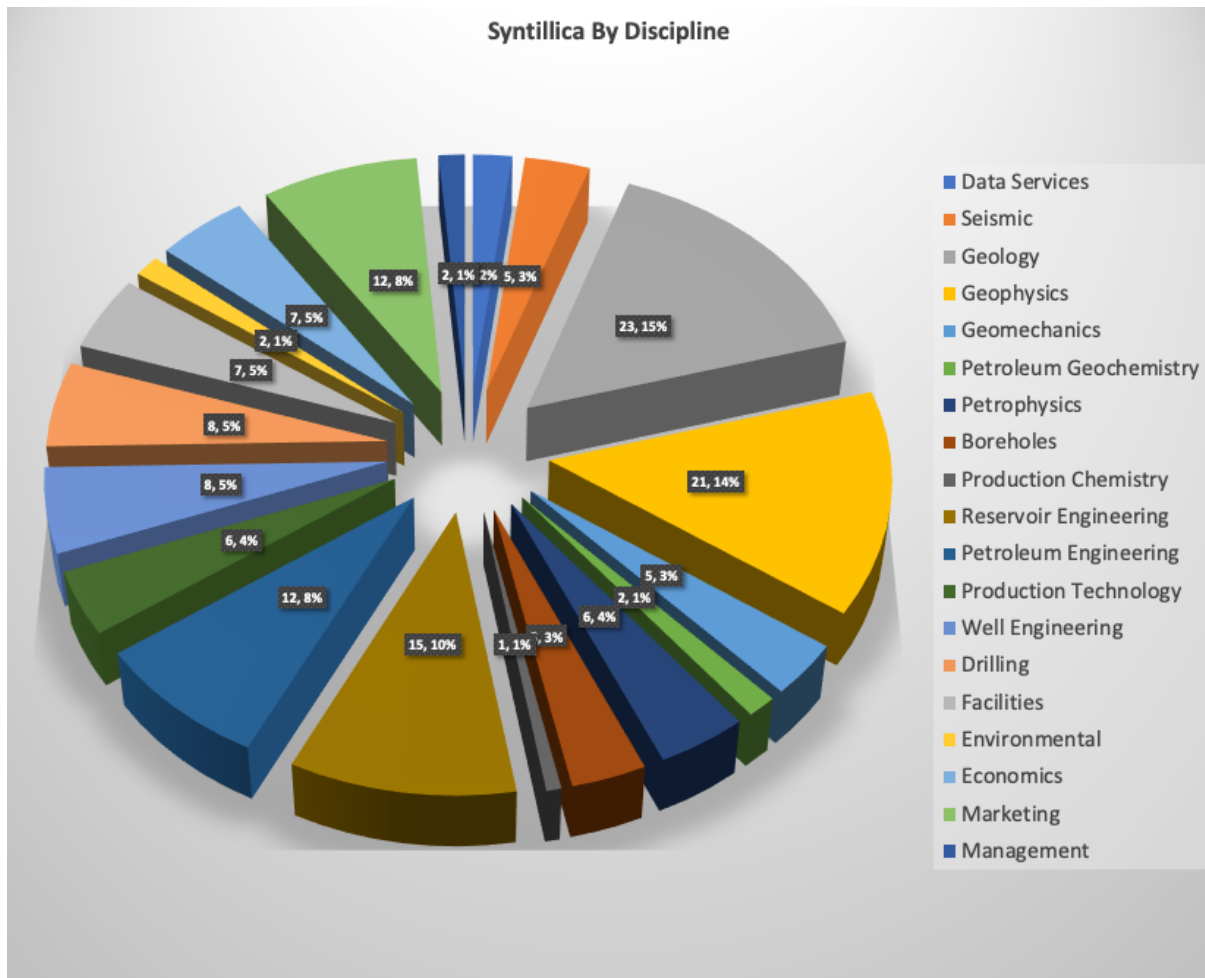
* Geophysicist within the CNS team, responsible for both operated & non-operated **exploration**, & a variety of non-operated appraisal & development projects.



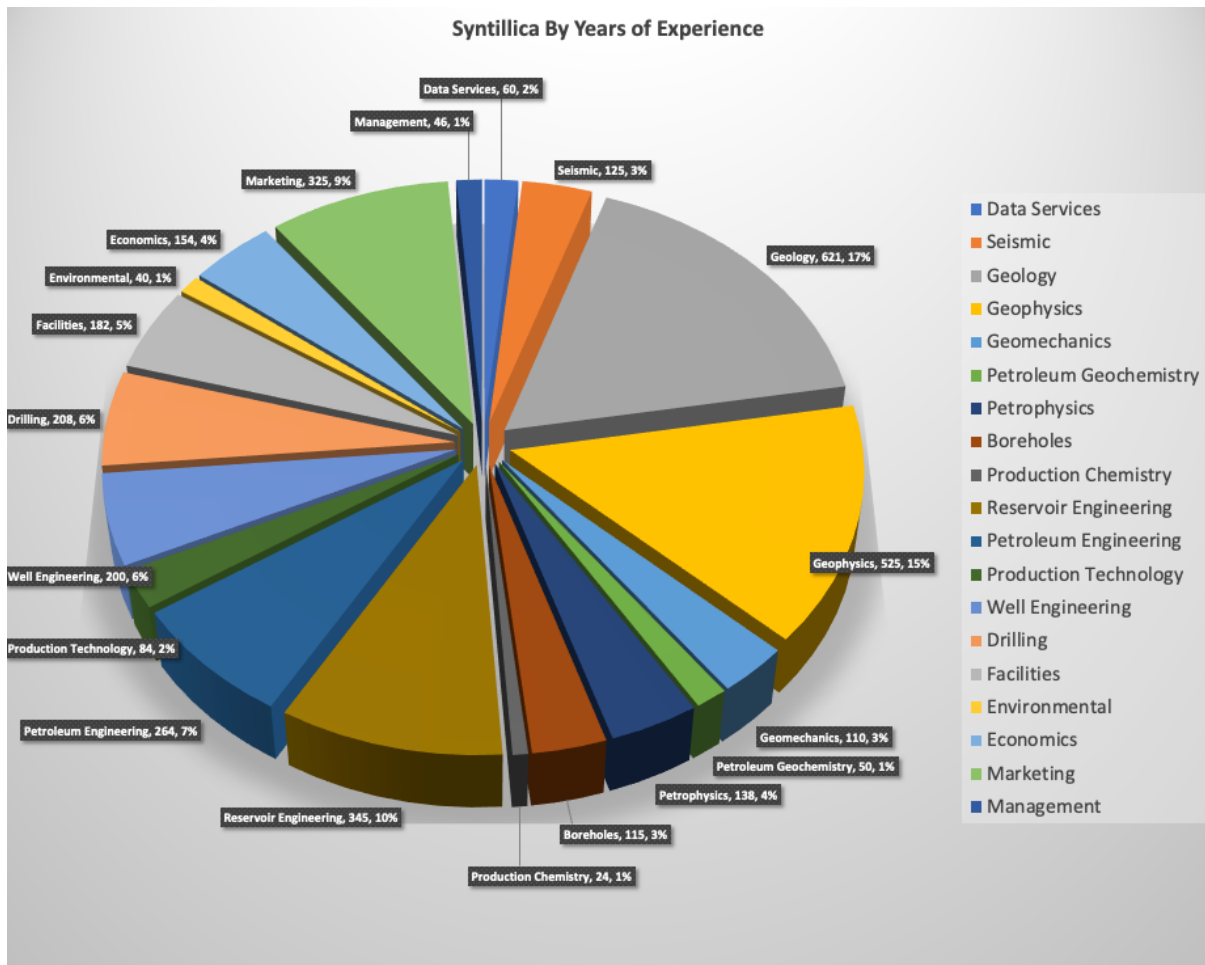
Geoscience Consultant	ERP0254
<p>* 30 years of experience in exploration and reservoir geophysics with quantifiable track record with prospect generation and de-risking, optimal development and improved production.</p> <p>* Projects ranging from rank exploration (Offshore Mauritania Dana, Q44/11, 12 and 16, Q30/2a GdF), appraisal drilling (Q14/15 - Talisman) to mature production infill drilling (Ninian field KMG).</p> <p>* Hamaca Heavy-Oil Development Orinoco Belt Venezuela. Also carried out a number of quantitative interpretation projects for ARCO and its partners in different geographic regions: Solan (West of Shetlands - exploration), Gawain (Southern North Sea - development), Wissey (Southern North Sea - appraisal), Alturitas (Venezuela Lake Maracaibo - development), Reeves (Permian Basin Texas - exploration), Qatar Block 11 (offshore Qatar appraisal/exploration), Denmark Blocks 5605-18 and 19 (exploration).</p> <p>* Alpine West appraisal and exploration of alpine reservoir to the west of existing development. - Anadarko</p>	
Economics Consultant	ERP0255
<p>* Two-year contract to implement and establish credentials for Decision Quality practices and culture within Petronas Exploration.</p> <p>* Assist clients in the resource development industries with the framing, economics and uncertainty analysis of exploration, appraisal, development and</p> <p>* Provided business support in valuation of exploration opportunities, resource development and operational optimization options, portfolio ranking, asset sales, cashflow management, leasing strategy, decision analysis, framing, regulatory analysis (including rate case development, authoring of public regulatory submissions, and successful Application for Revocation of regulatory access coverage of the Parmelia Gas Pipeline), development of internal economic evaluation standards and economic modelling support to various clients including:</p> <p>* Commercial analysis of offshore oil and gas field developments, engineering options, exploration and farm-in opportunities, and international Production Sharing Contracts. Coordinated Retention Lease applications. Worked with McKinsey and Co. in Business Improvement Program.</p>	



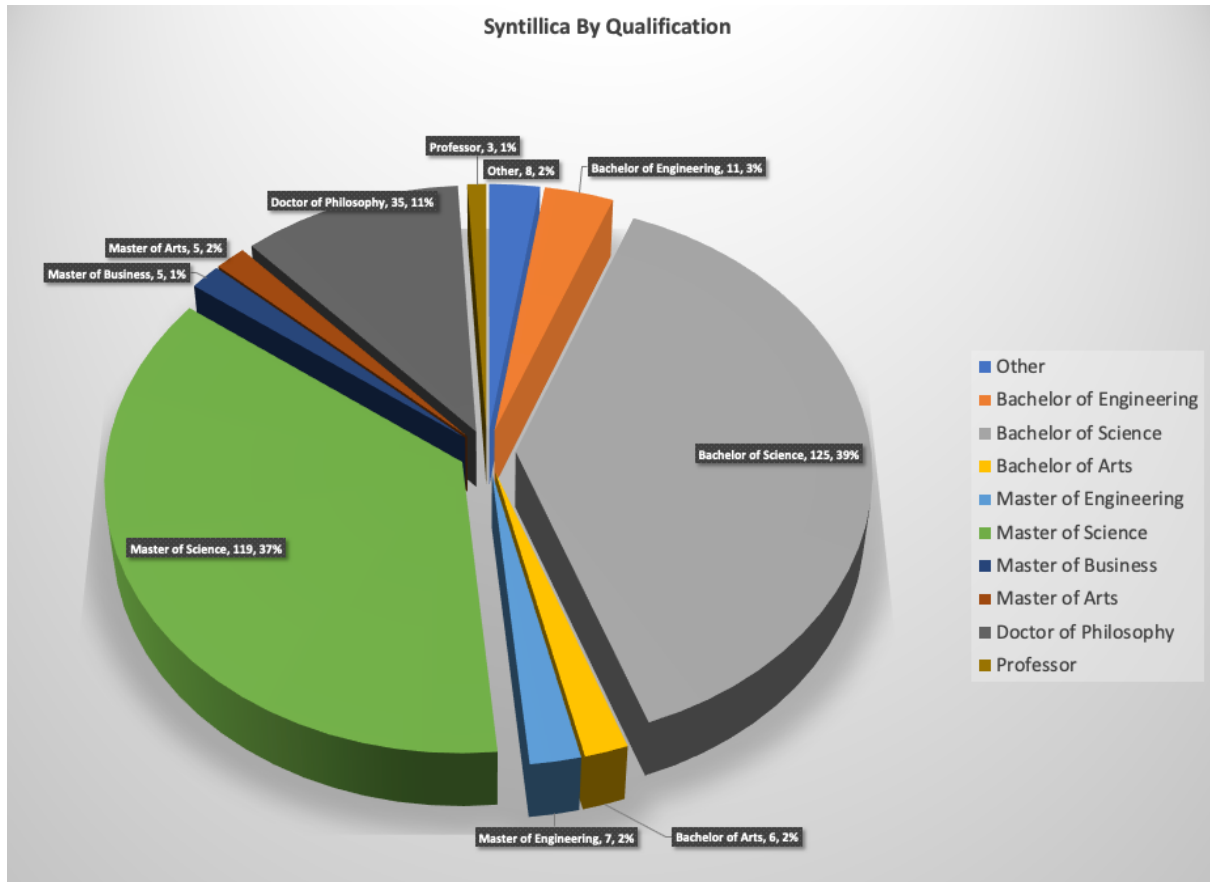
Syntillica Group by Technical Discipline and Head Count



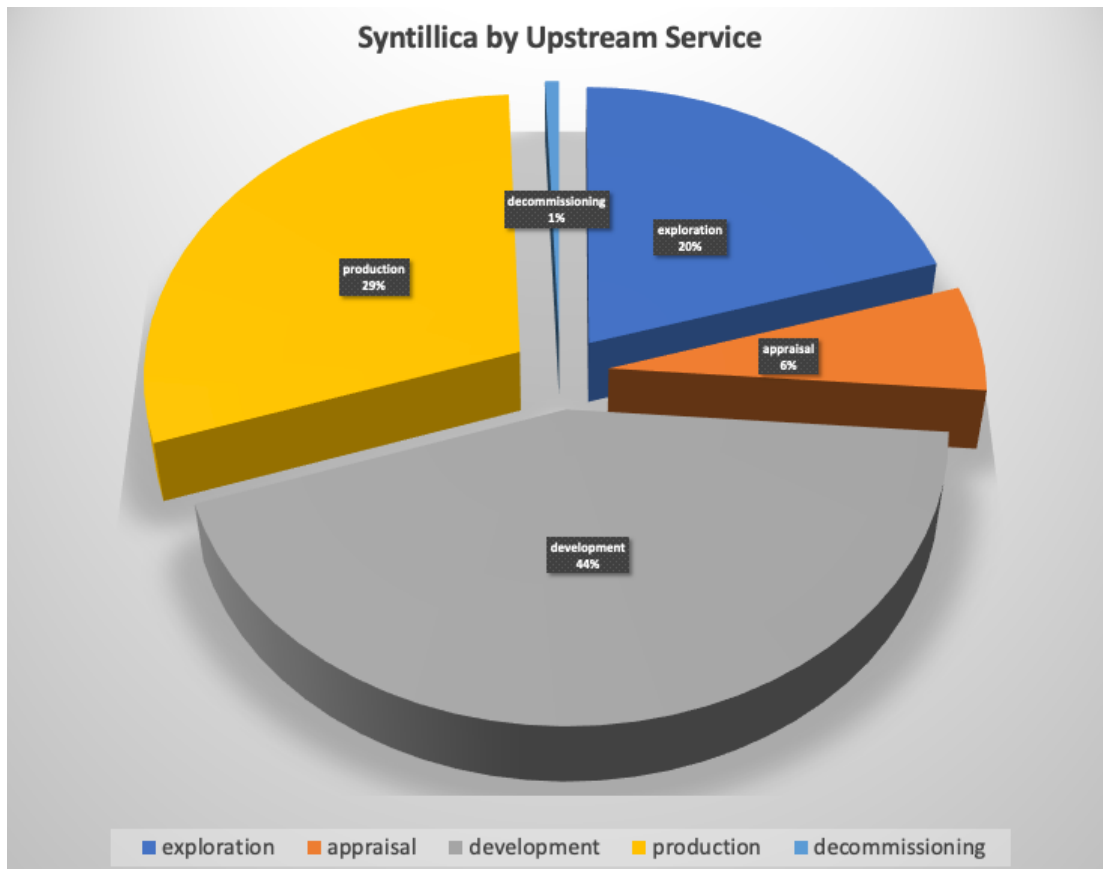
Syntillica Group by Technical Discipline and Years of Experience



Syntillica Group by Qualifications

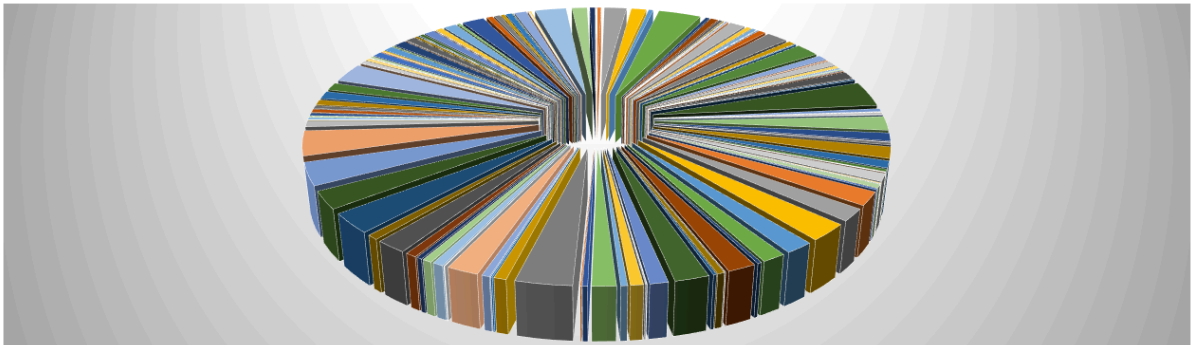


Syntillica Group by Upstream Service Type Examples



Syntillica Group by Global Experience Map

Syntillica Group Global Experience by Country



- | | | | | | | | |
|----------------|---------------|--------------|------------------------|---------------------|----------------------------|--------------------|------------------|
| ■ afghanistan | ■ albania | ■ algeria | ■ angola | ■ argentina | ■ australia | ■ austria | ■ azerbaijan |
| ■ bahrain | ■ bangladesh | ■ barbados | ■ belgium | ■ benin | ■ bolivia | ■ brazil | ■ brunei |
| ■ bulgaria | ■ burundi | ■ cambodia | ■ cameroon | ■ canada | ■ chad | ■ chile | ■ china |
| ■ colombia | ■ comoros | ■ congo | ■ ivory coast | ■ croatia | ■ cuba | ■ cyprus | ■ czech republic |
| ■ denmark | ■ east timor | ■ ecuador | ■ egypt | ■ equatorial guinea | ■ eritrea | ■ ethiopia | ■ fiji |
| ■ finland | ■ france | ■ gabon | ■ the gambia | ■ georgia | ■ germany | ■ ghana | ■ greece |
| ■ grenada | ■ guatemala | ■ guinea | ■ guyana | ■ honduras | ■ hungary | ■ iceland | ■ india |
| ■ indonesia | ■ iran | ■ iraq | ■ ireland | ■ israel | ■ italy | ■ jamaica | ■ japan |
| ■ jordan | ■ kazakhstan | ■ kenya | ■ north korea | ■ south korea | ■ kuwait | ■ liberia | ■ libya |
| ■ madagascar | ■ malawi | ■ malaysia | ■ mali | ■ malta | ■ marshall islands | ■ mauritania | ■ mexico |
| ■ mongolia | ■ montenegro | ■ morocco | ■ mozambique | ■ myanmar | ■ namibia | ■ netherlands | ■ new zealand |
| ■ niger | ■ nigeria | ■ norway | ■ oman | ■ pakistan | ■ panama | ■ papua new guinea | ■ paraguay |
| ■ peru | ■ philippines | ■ poland | ■ portugal | ■ qatar | ■ romania | ■ russia | ■ rwanda |
| ■ saudi arabia | ■ senegal | ■ seychelles | ■ sierra leone | ■ singapore | ■ slovakia | ■ slovenia | ■ somalia |
| ■ south africa | ■ south sudan | ■ spain | ■ sri lanka | ■ sudan | ■ suriname | ■ sweden | ■ switzerland |
| ■ syria | ■ taiwan | ■ tajikistan | ■ tanzania | ■ thailand | ■ trinidad and tobago | ■ tunisia | ■ turkey |
| ■ turkmenistan | ■ uganda | ■ ukraine | ■ united arab emirates | ■ united kingdom | ■ united states of america | ■ uruguay | ■ uzbekistan |
| ■ venezuela | ■ vietnam | ■ yemen | ■ zambia | ■ zimbabwe | | | |

Geographical Experience: Syntillica Group





Consulting for the Energy Industry