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Gas Storage Feasibility, West Africa:
For a major West African National Oil Company, GaffneyCline reviewed and revised both static and dynamic models for two offshore fields to investigate their potential for gas storage. Potential gas storage volumes, injection and production rates were modelled and the impact on potential late-life oil production was also investigated.

Additional Information
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African NOC Rightsholding Valuation, West Africa:
As preparation for an Initial Public Offering (IPO), GaffneyCline conducted an evaluation and valuation of a portfolio of offshore rightsholdings located in shallow and deepwater acreage offshore West Africa. The portfolio included producing properties, fields under development and exploration acreage, and the project included an element of technology transfer with the client’s staff.

Independent Review, Equatorial Guinea:
GaffneyCline evaluated the gas discoveries and prospects of a Block in offshore Equatorial Guinea, West Africa for a UK listed company. The work entailed a review of existing interpretations of seismic, geological data and well logs, followed by independent re-interpretations where necessary in order to provide independent resource estimates at three levels of uncertainty based on probabilistic methodology. Recovery factors and potentially recoverable volumes were estimated based on analysis of well test data. A total of nine discoveries and twelve prospects were covered in the study. The report was subsequently made available in a data room.

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Experts in West Africa
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GaffneyCline is a global consultancy that has been offering technical, commercial, and strategic advice to the oil and gas sector for over 50 years. GaffneyCline is known for its technical expertise, innovation, and commitment to delivering high-quality services to its clients. The firm is recognized for its ability to provide clients with a comprehensive and tailored approach to their challenges, from strategic planning to operational execution.

Due Diligence Methanol Plant, Equatorial Guinea:

GaffneyCline conducted an appraisal of a 2,500 metric ton/day capacity methanol plant project to be constructed and operated in Equatorial Guinea. The assessment included a full evaluation of the plant’s facilities, processes, and operations, as well as an analysis of the market conditions and the financial viability of the project. This comprehensive approach ensured that GaffneyCline provided a thorough and accurate assessment of the project’s potential.

Abandonment Planning, West Africa:

GaffneyCline offered technical, commercial, and strategic advice to an investment corporation regarding the abandonment planning of a methanol plant in Equatorial Guinea. The firm reviewed the permits and licenses and assessed whether they complied with World Bank environmental standards and local environmental regulations. This comprehensive approach ensured that the plant’s abandonment was conducted in an environmentally responsible manner.

Production/Operating and Capital Cost Profiles, Congo and Gabon:

GaffneyCline was engaged by a Canadian oil company to carry out an assessment of the future production profiles, operating cost profiles, and capital requirements of a number of fields. This involved evaluating the potential production capacities and costs of the fields, as well as identifying the best course of action for each.

PSA Management Guidelines, West Africa:

GaffneyCline assisted a West African National Oil Company in preparing and managing organisational guidelines for the management of Operators within the framework of the country’s Production Sharing Agreements (PSAs). This involved developing detailed guidelines for the management and organisational aspects of the PSA framework.

Play Concepts & Opportunities, West Africa:

GaffneyCline conducted a review of the oil plays and future exploration opportunities in four West African producing countries. The firm reviewed the potential of various plays and recommended areas for further exploration, taking into account regional and local geological settings.

Gas Power Supply Asset Valuation, Senegal:

GaffneyCline was engaged by an international agency to undertake a technical and economic audit of a gas field located offshore Senegal. The audit included an analysis of the field’s potential, production capabilities, and the economics of developing the field.

In order to provide a comprehensive view of the region’s potential, GaffneyCline conducted a thorough review of the offshore and onshore prospects of the region. The firm evaluated the potential of various plays and recommended areas for further exploration, taking into account regional and local geological settings.

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GaffneyCline was engaged by a Canadian oil company to carry out an assessment of the future production profiles, operating costs and capital requirements of a number of fields. GaffneyCline was instructed to derive estimates for production and cost profiles for each of the fields to assist GaffneyCline’s client in developing a valuation for these properties in order to consider the purchase of either part or all of the interests held by a major oil company as operator in one or more of these fields. In addition, GaffneyCline was instructed to collate geophysical, geological, geotechnical and operating information and data from these properties from the data made available by the operator and provide a summary report.

FPSO Tendering Process Review, West Africa:
For the operator of a major deepwater concession offshore West Africa, GaffneyCline reviewed the tendering process for the sale of a floating production, storage and offloading vessel. The work involved reviewing the tender documents for the tendering processes and identifying any potential areas for improvement in the tendering process. GaffneyCline also provided advice on the tendering process to the client and recommended changes to the tender documents.

Multi Field Reserve Audit, Cameroon:
For a major African National Oil Company, GaffneyCline provided reserve and resource audits for multiple fields. The work involved reviewing existing data, updating reserve models, and providing recommendations for future development plans.

Reserves Methodology, West Africa:
For a major African National Oil Company, GaffneyCline designed and compiled a “Reserve/Resource Methodology Document.” This document has now been accepted as the official standard for all future reserves estimating and reporting activities to be undertaken by the NOC. It addresses SEC standards and also describes ‘best practices’ for using the SPE PRMS. The work was carried out through a series of workshops held in-country with a select group of the NOC’s staff, comprising the “Reserves Committee.”
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